



## Yearly Status Report - 2019-2020

### Part A

#### Data of the Institution

Part A	
<b>Data of the Institution</b>	
<b>1. Name of the Institution</b>	PSG COLLEGE OF TECHNOLOGY
Name of the head of the Institution	Dr K PRAKASAN
Designation	Principal (in-charge)
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	0422-4344777
Mobile no.	9952756485
Registered Email	principal@psgtech.edu
Alternate Email	principal@psgtech.ac.in
Address	POSTBOX NO. 1644, AVINASHI ROAD, PEELAMEDU COIMBATORE - 641004
City/Town	Coimbatore
State/UT	Tamil Nadu
Pincode	641004

<b>2. Institutional Status</b>					
Autonomous Status (Provide date of Conformant of Autonomous Status)			25-Feb-1978		
Type of Institution			Co-education		
Location			Urban		
Financial Status			Self financed and grant-in-aid		
Name of the IQAC co-ordinator/Director			Dr. M. SENTHILKUMAR		
Phone no/Alternate Phone no.			04224344280		
Mobile no.			9443751578		
Registered Email			coordinator.iqac@psgtech.ac.in		
Alternate Email			hod.prod@psgtech.ac.in		
<b>3. Website Address</b>					
Web-link of the AQAR: (Previous Academic Year)			<a href="https://www.psgtech.edu/aqar_report%202018-19.pdf">https://www.psgtech.edu/aqar_report%202018-19.pdf</a>		
<b>4. Whether Academic Calendar prepared during the year</b>			Yes		
if yes,whether it is uploaded in the institutional website: Weblink :			<a href="https://www.psgtech.edu/calendar%20of%20activies%20for19-20%20CT%20including%20%20i%20year%20BE%2023.7.19.pdf">https://www.psgtech.edu/calendar%20of%20activies%20for19-20%20CT%20including%20%20i%20year%20BE%2023.7.19.pdf</a>		
<b>5. Accrediation Details</b>					
Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	A	3.24	2019	28-Mar-2019	27-Mar-2024
<b>6. Date of Establishment of IQAC</b>			18-Jul-2017		
<b>7. Internal Quality Assurance System</b>					
Quality initiatives by IQAC during the year for promoting quality culture					
Item /Title of the quality initiative by	Date & Duration		Number of participants/ beneficiaries		

IQAC		
Conducted a TEQIP sponsored FDP on Induction of New Faculty	11-Jul-2019 1	22
<a href="#">View File</a>		

**8. Provide the list of Special Status conferred by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.**

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
PSG College of Technology	TEQIP III Additional Sanction due to High Performing Institute	MHRD/World Bank	2019 365	26700000
PSG College of Technology	Autonomy Grant	UGC	2019 365	1600000
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**9. Whether composition of IQAC as per latest NAAC guidelines:**

Yes

Upload latest notification of formation of IQAC

[View File](#)

**10. Number of IQAC meetings held during the year :**

4

The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website

Yes

Upload the minutes of meeting and action taken report

[View File](#)

**11. Whether IQAC received funding from any of the funding agency to support its activities during the year?**

No

**12. Significant contributions made by IQAC during the current year(maximum five bullets)**

- A new format of question paper for both CA tests and Final examinations was introduced in line with competitive examinations under the 2019 BE/BTech Regulations. Multiple tests were conducted for assessment. The questions are designed in such a way that course outcomes are measured in Continuous Assessments (CA) and Final Examinations (FE) providing a good sample size.
- A separate Career Counselling Cell has been formed and a counselor is appointed.
- IPR cell was formed.
- A new feedback form for students has been introduced to align with the learning outcomes.
- Research seminars for all PT/FT research scholars were introduced and a team of experts provides feedback for improvement.

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**13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year**

Plan of Action	Achievements/Outcomes
Compliance visit/information to be submitted for extension of NBA accreditation	NBA accreditation status has been extended by one year: PG Engineering Programmes: Structural Engineering, Energy Engineering, IT, Embedded and Real Time Systems, CSE, Industrial Engineering, Biometric and Cyber Security, UG Engineering Programmes: RAE, ICE and Biomedical Engineering NBA accreditation status has been extended by two years :PG: MCA NBA accreditation status has been extended by three years: PGDM
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**14. Whether AQAR was placed before statutory body ?**

Yes

Name of Statutory Body	Meeting Date
Governing Council	07-Dec-2020

**15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?**

No

**16. Whether institutional data submitted to AISHE:**

Yes

Year of Submission

2020

Date of Submission

08-Feb-2020

**17. Does the Institution have Management Information System ?**

Yes

If yes, give a brief description and a list of modules currently operational (maximum 500 words)

PSG College of Technology maintains Management Information System to support both academic and administrative operations. Information technology resources are currently provided and are made available to all students, faculty members, and supporting staff members of the college. Information technology

resources refer to computers and communication facilities, services, and resources including but not limited to networking devices, email service, wireless devices, and any associated peripherals and software that are owned, managed, and maintained by PSG College of Technology. A fully functional LAN is established through which students, faculty and staff can access their details which includes their academic performance and other academic queries. Students and other users are provided with access to the necessary IT resources which they are authorized to access and are required to protect the privacy of their passwords to prevent access by unauthorized users. The attendance entry using the biometric system has been successfully implemented for both faculty and supporting staff members. Individual computers with both Intranet and Internet connections are provided to all the faculty members to access the required academic details. The availability and use of various teaching tools, such as software and apps, enable both the faculty and the students to engage productively with the subject content and provide enhanced learning opportunities. PSG Integrated Library Management System (PSGILMS) 5.0 is fully automated and configured with Microsoft .NET Framework 1.1. Web OPAC is configured with Microsoft Framework 4.5. This inhouse ILMS has modules for Acquisition, Circulation, OPAC, EGate, Serial Control, and Reports. Students can search the resources through the OPAC which has campuswide access. It allows the users to search the collections in the Main library, Department library and EResource. All types of EResource links are integrated into the OPAC Homepage which facilitates the users to access through college approved IP from their desktop itself. The conduct of the examinations is administered through the office of the Controller of Examinations using the inhouse developed examination management information system. This application is being used to completely digitize the examination related process, which includes the course entry, galley creation, examination

management, result process and publishing, revaluation, retotalling process, mark sheet, convocation processing, and examination remuneration generation. The application automates all the examination processes and generates the necessary reports thus reducing the users time drastically.

## Part B

### CRITERION I – CURRICULAR ASPECTS

#### 1.1 – Curriculum Design and Development

1.1.1 – Programmes for which syllabus revision was carried out during the Academic year

Name of Programme	Programme Code	Programme Specialization	Date of Revision
BE	1111	BE Automobile Engineering	07/12/2019
<a href="#">View File</a>			

1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
BE	NIL	27/11/2019	INDUSTRIAL VISIT AND LECTURE II - 18FD49	27/11/2019
<a href="#">View File</a>				

#### 1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
BE	15DF10 Digital Health Information Exchange Standards	29/06/2019
<a href="#">View File</a>		

1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the College level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	Automobile Engineering	01/06/2019
BE	Bio Medical Engineering	01/06/2019
BE	Biotechnology	01/06/2019
BE	Computer Science Engineering	01/06/2019
BE	Electrical and Electronics Engineering	01/06/2019
BE	Electrical &	01/06/2019

	Electronics Engineering (SW)	
BE	Electronics & Communication Engineering	01/06/2019
BTech	Fashion Technology	01/06/2019
BTech	Information Technology	01/06/2019
BE	Instrumentation & Control Engineering	01/06/2019
BE	Mechanical Engineering	01/06/2019
BE	Mechanical Engineering (SW)	01/06/2019
BE	Metallurgical Engineering	01/06/2019
BE	Production Engineering	01/06/2019
BE	Production Engineerirng (SW)	01/06/2019
BE	Robotics & Automation Engineering	01/06/2019
BTech	Textile Technology	01/06/2019
BTech	Textile Technology (PT)	01/06/2019
ME	Applied Electronics	01/06/2019
ME	Applied Electronics (PT)	01/06/2019
ME	Automotive Engineering	01/06/2019
Mtech	Bio Technology	01/06/2019
ME	Biometrics and Cyber Security	01/06/2019
ME	Communication system	01/06/2019
ME	Computer Integrated Manufacturing	01/06/2019
ME	Computer Science & Engineering	01/06/2019
ME	Control Systems	01/06/2019
ME	Electrical Machines (PT)	01/06/2019
ME	Embedded & Real Time System	01/06/2019
ME	Energy Engineering	01/06/2019
ME	Engineering Design	01/06/2019
ME	Industrial Engineering (FT)	01/06/2019
ME	Industrial Engineering (PT)	01/06/2019
ME	Industrial Metallurgy	01/06/2019
ME	Industrial	01/06/2019

	Metallurgy (PT)	
Mtech	Information Technology	01/06/2019
ME	Infrastructure Engineering	01/06/2019
ME	Lean Manufacturing	01/06/2019
ME	Manufacturing Engineering (FT)	01/06/2019
ME	Manufacturing Engineering (PT)	01/06/2019
Mtech	Nano Science & Technology	01/06/2019
ME	Power Electronics & Drives	01/06/2019
ME	Product Design & Commerce	01/06/2019
ME	Software Engineering	01/06/2019
ME	Structural Engineering (FT)	01/06/2019
ME	Structural Engineering (PT)	01/06/2019
Mtech	Textile Technology (FT)	01/06/2019
Mtech	Textile Technology (PT)	01/06/2019
ME	Virtual Prototyping and Digital Manufacturing	01/06/2019
ME	VLSI Design	01/06/2019
ME	Wireless Communications	01/06/2019
BSc	Applied Sciences	01/06/2019
BSc	Computer System and Design	01/06/2019
MCA	MCA	01/06/2019
MSc	Applied Mathematics	01/06/2019
MSc	Cyber Security	01/06/2019
MSc	Data Science	01/06/2019
MSc	Fashion Design and Merchandising	01/06/2019
MSc	Software Systems	01/06/2019
MSc	Theoretical Computer Science	01/06/2019
MBA	MBA	01/06/2019
MBA	MBA (PT)	01/06/2019
PGDBM	PGDBM	01/06/2019
BE	CIVIL Engineering	01/06/2019

### 1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year



Value Added Courses	Date of Introduction	Number of Students Enrolled
Product Lifecycle Management	11/07/2019	5
<a href="#">View File</a>		

### 1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BTech	Bio Technology	26
<a href="#">View File</a>		

## 1.4 – Feedback System

### 1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

### 1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

Feedback Obtained
<p>As student feedback is considered one of the major driving forces for accomplishing effective implementation of the teaching-learning process, enough care is given to collect feedback at various levels. Through the modules available under the e-governance developed in-house, students provide online feedback on faculty members. Administrators can view the academic student feedback reports and take the necessary corrective actions. Student feedback is useful to evaluate the performance of the faculty inside the classroom by his/her students at the end of each semester. The feedback is analyzed for both academic performance and the inter-personal relationship criterion of the faculty from the student's perspective. The feedback is also used for calculating the achievement of course outcomes by the students. A course end feedback is also obtained from the students at the end of the course which will be helpful for the faculty to make improvements in administering the course for the subsequent batches of students. Feedback to evaluate the facilities provided by the institution, the ambiance provided for student-centric learning and overall feedback about the program is obtained at the end of the program every year from the outgoing final year students. The feedback results are analyzed, and corrective/preventive actions are initiated to overcome any deficiencies indicated in the feedback. Feedback is also obtained from alumni towards their possible contribution to curriculum development/curriculum enrichment, to support the students in employment, and creating an awareness of expectations of the industry in fresh graduates. Tutor ward meetings and class committee meetings are regularly conducted and any grievance in the teaching-learning process is sorted out with the proactive participation of students and faculty members.</p>

## CRITERION II – TEACHING- LEARNING AND EVALUATION

### 2.1 – Student Enrolment and Profile

#### 2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BSc	Applied Sciences	60	237	33
<a href="#">View File</a>				

## 2.2 – Catering to Student Diversity

### 2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	6146	2272	93	62	414

## 2.3 – Teaching - Learning Process

### 2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
569	569	41	34	93	35

[View File of ICT Tools and resources](#)

[View File of E-resources and techniques used](#)

### 2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

For each class, a faculty member is assigned to mentor (Tutor) the students and in some cases, two are appointed. The faculty member/s will be with this batch till they graduate. The tutor regularly meets the students, either in groups or individually, to discuss with and counsel them regarding both academic as well as non-academic matters related to campus life. The tutors inform their wards about study techniques, training opportunities, preparation for co-curricular events, and other issues. The tutors also get in touch with the parents of some students when there is a need for communicating or discussing matters that affect student academic performance. The mentoring would be centered around issues about the student performance in academics, overall development of their personalities such as training in soft skills, English language competence and specific skill set training for better career prospects apart from any specific personal issues which might affect their progress. For slow learners, the college organizes additional teaching sessions and support systems. Additional opportunities to take examinations (Redo examinations) are offered to help students to complete their academic requirements within the stipulated time.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
8418	569	1:15

## 2.4 – Teacher Profile and Quality

### 2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
597	569	28	30	358

### 2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year )

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	Dr. D Vijayalakshmi	Professor	Distinction in International Certification Programme received from Indo Universal Collaboration for Engineering Education (IUCEE)
<a href="#">View File</a>			

## 2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BE	1117	1	13/12/2019	23/12/2019
<a href="#">View File</a>				

2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
Nil	8483	0

## 2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

<a href="https://www.psgtech.edu/AQAR_PO-PSOs.php">https://www.psgtech.edu/AQAR_PO-PSOs.php</a>
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2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
1111	BE	Automobile Engineering	72	62	86.11
<a href="#">View File</a>					

## 2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

<a href="https://www.psgtech.edu/Student%20satisfaction%20survey%202019-20.pdf">https://www.psgtech.edu/Student%20satisfaction%20survey%202019-20.pdf</a>
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## CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

### 3.1 – Promotion of Research and Facilities

### 3.1.1 – The institution provides seed money to its teachers for research

<b>Yes</b>
Name of the teacher getting seed money
<b>Dr .D.Suji</b>
<a href="#">View File</a>

### 3.1.2 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
<b>International</b>	<b>Dr P Karthikeyan</b>	<b>Brain Korea 21</b>	<b>01/10/2019</b>	<b>Award Brain Korea 21 Plus from Hanyang University, Korea - International Travel, Accommodation, Honorarium for Invited Talk in Hanyang University and Suncheon National University, Korea</b>
<a href="#">View File</a>				

## 3.2 – Resource Mobilization for Research

### 3.2.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
<b>Major Projects</b>	<b>1095</b>	<b>DST, SERB, AICTE, DBT UGC</b>	<b>641.44</b>	<b>442.38</b>
<b>Minor Projects</b>	<b>90</b>	<b>UGC</b>	<b>2</b>	<b>2</b>
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### 3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

<b>23</b>
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## 3.3 – Innovation Ecosystem

### 3.3.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
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Workshop on intellectual property rights	Textile Technology	21/02/2020
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### 3.3.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
National Award for Innovation in Engineering and Technology	Dr L.S. Jayashree	ISTE	29/10/2019	Teacher
<a href="#">View File</a>				

### 3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
Nil	Nil	Nil	Vyazhan Technologies Private Limited	Artificial Intelligence (AI)	13/06/2019
<a href="#">View File</a>					

## 3.4 – Research Publications and Awards

### 3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Applied mathematics and computational sciences	4
Automobile engineering	2
Biomedical engineering	1
Civil engineering	4
Computer science and engineering	4
Electronics and communication engineering	7
Electrical and electronics engineering	5
Fashion technology	1
Information technology	3
Mathematics	3
Computer applications	2
Mechanical engineering	4
Metallurgical engineering	3
Production engineering	1
Robotics and automation engineering	1
Textile technology	3
Humanities	1

Management sciences	6
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3.4.2 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Applied Mathematics and Computational Sciences	6	2
<a href="#">View File</a>			

3.4.3 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Applied Mathematics and Computational Sciences	6
<a href="#">View File</a>	

3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
Smart betel vine cultivation using internet of things	Published	A01N47/00	14/06/2019
<a href="#">View File</a>			

3.4.5 – Bibliometrics of the publications during the last academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Fabrication of novel g-C <sub>3</sub> N <sub>4</sub> nanosheet/carbon dots/Ag <sub>6</sub> Si <sub>2</sub> O <sub>7</sub> nanocomposites with high stability and enhanced visible-light photocatalytic activity	Asadzadeh-Khaneghah S., Habibi-Yangjeh A., Vadivel S.	Journal of the Taiwan Institute of Chemical Engineers	2019	4.41	Department of Chemistry, Faculty of Science, University of Mohaghegh Ardabili, P.O. Box 179, Ardabil, Iran Department of Chemistry, PSG College of Technology, Coimbatore, 641004,	30

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## 3.4.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
An improved PO algorithm integrated with artificial bee colony for photovoltaic systems under partial shading conditions	Pilakkat D., Kanthakalakshmi S.	Solar Energy	2019	14	30	Dept. of Electrical and Electronics Engineering, PSG College of Technology, Coimbatore, 641004, India

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## 3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	103	131	39	61
Presented papers	85	34	1	4
Resource persons	15	50	54	59

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## 3.5 – Consultancy

## 3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultant(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
Dr B Geetha Priyadharshini	Nano coating trial using PVD @ clean room running cost, manpower at clean room, titanium sputtering target (3 diameter, 4 mm thick), argon nitrogen cylinders, testing of surface profilometer, consultancy charges	Lakshmi Ring Travelers Limited	48400

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### 3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
Dr.V.M.Murugesan Automobile Engineering	Automotive Domain Training - Onboard Diagnostics (OBD)	Mjunction Services Limited	130000	40
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### 3.6 – Extension Activities

3.6.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Walkathon	Hindustan petroleum and petroleum conservation research association.	5	1000
<a href="#">View File</a>			

3.6.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
NSS	Best NSS Program Officer	Anna University	1
<a href="#">View File</a>			

3.6.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Awareness	PCRA	Petroleum conservation	5	250
<a href="#">View File</a>				

### 3.7 – Collaborations

3.7.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
Faculty Exchange	Dr P Karthikeyan	DST UKIERI Project - Loughborough University, UK and University of Exter, UK	19



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3.7.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Internship	Smart Home Management Tool And Enhancement Of Norwood App	Norwood Technologies35 , 36, Greams Road, Thousand Lights West, Thousand Lights, Chennai, Tamil Nadu 600006 Phone no:9176319175 Email:daniel.d@norwoodmodular.com	08/05/2019	18/11/2019	ADARSH T (16PW01)

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3.7.3 – MoUs signed with institutions of national, international importance, other institutions, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Cares Renewables Pvt. Ltd., Coimbatore	01/07/2019	Benchmark performance of different design configurations and solar technologies	1

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## CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

### 4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
4755.07	4322.79

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Class rooms	Existing
Campus Area	Existing

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### 4.2 – Library as a Learning Resource

#### 4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
PSG-ILMS	Fully	4	2010

#### 4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	158479	95363603	3274	2227390	161753	97590993
<a href="#">View File</a>						

4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Dr. Nivitha.M.R	Mechanical Characterization of Bituminous Materials	SWAYAM-NPTEL	27/01/2020
<a href="#">View File</a>			

#### 4.3 – IT Infrastructure

##### 4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	5305	4118	1100	50	170	68	889	1300	10
Added	595	571	0	24	0	0	0	100	0
Total	5900	4689	1100	74	170	68	889	1400	10

##### 4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

1400 MBPS/ GBPS
-----------------

##### 4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
E-content Development Facility at Digital Learning Centre	<a href="https://www.psgtech.edu/4.3.3%20Facilty%20for%20E-content.pdf">https://www.psgtech.edu/4.3.3%20Facilty%20for%20E-content.pdf</a>

#### 4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
2456.83	2233.48	4755.06	4322.79

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website)

The college has a well-established system for ensuring optimal allocation and utilization of the available financial resources in every academic/financial year for maintenance and upkeep of physical, academic, and support facilities. This process is monitored by various committees constituted for this purpose as per the requirements in the interest of students/staff/faculty members welfare.

[https://www.psgtech.edu/4.4.2%20Procedures%20and%20policies\\_2019-20.pdf](https://www.psgtech.edu/4.4.2%20Procedures%20and%20policies_2019-20.pdf)

## CRITERION V – STUDENT SUPPORT AND PROGRESSION

### 5.1 – Student Support

#### 5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Sandwich Students E Internship Training	193	261700
Financial Support from Other Sources			
a) National	Backward classes and minority welfare department scholarship	1054	9141390
b) International	0	Nil	0

[View File](#)

#### 5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
WOWS Aptitude training	19/11/2019	1098	FOCUS 4-D CAREER EDUCATION Pvt. Ltd., Coimbatore

[View File](#)

#### 5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2019	IAS coaching class	17	Nil	Nil	Nil

No file uploaded.

#### 5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance
---------------------------	--------------------------------	-----------------------------------

		redressal
Nil	Nil	Nil

## 5.2 – Student Progression

### 5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
24/7 Innovation Labs, Bangalore	68	7	Tommy Hilfiger	4	2
<a href="#">View File</a>					

### 5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2019	1	B.E. Automobile Engineering	Automobile Engineering	PSG IM, coimbatore	MBA
<a href="#">View File</a>					

### 5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
NET	1
GATE	80
<a href="#">View File</a>	

### 5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
LOGIN 2019	National	630
<a href="#">View File</a>		

## 5.3 – Student Participation and Activities

### 5.3.1 – 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	Name of the award/medal	National/ International	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	Winner in district level in India skills competition for	National	Nil	1	17A225	Hemanth Kumar S

project pr  
esentation

[View File](#)

5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

PSG College of Technology student union is a large wing that provides various platforms for the students to enhance their potential and develop their leadership skills. Students Union comprises the Dean, Associate Deans, Faculty Advisors, Office Bearers, Executive Committee, and students. A separate Constitution is framed for students union There are 36 Associations and 24 Clubs running under Students Union. Each Club has Faculty Advisor/s. Students are elected as Secretary and executive members of the club. Various activities are organized under each club with the guidance and support of the Faculty Advisor. The activities organized by these clubs are undoubtedly a great forum for students to develop their personality traits. Seminars, workshops, interactions with expertise are also organized by clubs. Apart from Association and Clubs, NSS, NCC, and Physical Education play a vital role under students union in enhancing the personality traits of our students. Every semester Students Union conducts a Governing Council Meeting to serve the needs of the students. The Union, highly democratic, finds solutions for the problems of the students. The class representatives, secretaries of various clubs, associations, NCC, and NSS attend the meetings and discuss the issues, problems, or any other need for the students welfare. Every class has two representatives - a female representative and a male representative. There is also a placement representative in each class. When the departments organize events, students with the guidance of the faculty serve as volunteers under the different committees. There are also student representatives in the following committees: Students welfare and Counselling committee, Anti-ragging committee, and Hostel Council. Approximately thirty-five volunteers from the Students Union serve as volunteers in guiding the fresher's during the administration process. Student volunteers participate in Academic council and IQAC meetings and provide valuable feedback on various issues/activities of the institution.

#### 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

PSG Tech Alumni Association through its full-fledged office at Coimbatore and its chapters spread over the country and abroad has been systemically carrying out the task of bringing together the alumni and establishing their continuous rapport with the institution. The founder Principal of the PSG Tech Prof. G. R. Damodaran took special care to enhance the reputation of the PSG Tech Alumni Association. With the strong support from the PSG Management and the continuous involvement of the Principal and the faculty of PSG Tech, the alumni association carries out various activities throughout the year. These activities aim at not only bringing the alumni to a close family atmosphere but also in carrying out various service activities. Every year the PSG Tech Alumni Association organizes events like Alumni Day, Young Alumni Meet, Technical Meetings, Entrepreneurship development programmes, and product exhibitions. The Association has been conducting a state-level talent test called the GRD Talent test for the 9th and 10th standard school students for the past 32 years. The association also provides financial support (Rs.20, 00,000) to needy and deserving students (app. 90 students) through various endowments. It has been conducting a state-level GRD Inter-Collegiate Tamil Debate for the college students for the past 15 years. Its operating Alumni - instituted awards is given to students of academic excellence. Best Project Awards for all the final

year programmes of PSG CT are awarded every year (61 awards). Rs.1,00,000/- is provided for the Math Olympiad prize winners every year. Rs.1,20,000/- is provided for the Best Project Plan of PSG CT Students every year. Dr.K.V. Endowment Award (Rs.50,000) of Excellence in Engineering Graphics is provided for mechanical engineering students every year

5.4.2 – No. of registered Alumni:

59290

5.4.3 – Alumni contribution during the year (in Rupees) :

17547861

5.4.4 – Meetings/activities organized by Alumni Association :

S.No Date Programme 1 29-06 -2019 1959 BE Diamond Jubilee Reunion 2 13-07-2019 1st Council Meeting 3 26-07-2019 1994/95 BE Batch Silver Jubilee Reunion 4 17-08-2019 18-08-2019 1964/69 BE Golden Jubilee Reunion 5 24-08-2019 GRD Tamil Elocution 6 21-09-2019 AGM of Chennai Chapter 7 29-09-2019 AGM cum Family get together (Salem Chapter) 8 01-10-2019 Committee meeting (Madurai Chapter) 9 02-10-2019 PSG Tech Talent Test 10 12-10-2019 2nd Council Meeting 11 19-10-2019 Digital Disruption Content is King (Chennai Chapter) 12 23-12-2019 AGM of Hosur Chapter 13 01-01-2020 3rd Council Meeting 14 04-01-2020 1957-60 Diploma Diamond Jubilee Reunion 15 24-01-2020 Knowledge Connect 16 25-01-2020 15th Young Alumni Meet 17 25-01-2020 Family Get Together (Chennai Chapter) 18 25-01-2020 15th Young Alumni Meet

## CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

### 6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

- Improvement at programme level is possible when the programmes are monitored for the achievement of the programme outcomes as specified. With this background, Programme Coordinators are identified to support the Head of the Department in executing academic activities effectively. They facilitate various stakeholders to decide the curriculum, plan the meetings, and implement their innovation with a core team of faculty members identified for the programme under the supervision of the Head of the Department. Programme Coordinators are empowered to strengthen each programme of study and support the Head of the Departments in providing outcome-based education. • As a decentralization measure for general administrative responsibilities, new portfolios are created at different time intervals and Deans are appointed for the same. Heads of Departments are responsible for the academic and administrative matters of the departments with one or more programmes. Overall quality is managed through ISO system with Internal Quality Assurance Cell (IQAC).

6.1.2 – Does the institution have a Management Information System (MIS)?

Yes

### 6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Admission of Students	Admissions for BE/BTech, ME/M.Tech, MCA, and MBA programmes are done through Tamil Nadu common single window

online counselling in various rounds according to their rank based on the norms specified for admission. At the end of each round of online counselling, the respective colleges can download the list of candidates allotted. The counselling authority also specifies the date before which the candidates have to get admitted to the respective colleges. Every academic year more than 1000 students (approximately) are to be admitted to various programmes offered by the college. In PSG College of Technology, the admission schedule containing admission details (branch, date time of admission and College Hostel fee to be paid at the time admission, Commencement of orientation programme, etc.) is uploaded in the website for each round of allotment. The admission process for the allotted students is scheduled on Friday, Saturday and Sunday, so that it is convenient for the working parents and also for the college with no hindrance to the regular work. The Student union of the College helps the college authorities in the admission process. The students report for admission in batches. After verification of all the records, the students are provided with a dummy Roll number and a temporary Identity card, and an admission slip containing the name of the student, branch, roll number and the fee amount to be paid to the college. The Principal gives the final approval for admission and the candidate pays the college fee in the accounts office. For the convenience of the candidates and parents, the hostel admission process is also completed in the college premises which includes room allotment and payment of hostel fee. For BSc MSc Science Programmes the admission is done by the college. Applications are invited from the students. The applications are scrutinized and the list of shortlisted candidates for counselling/ written test is uploaded in the college website. For BSc (Applied Science) and MSc (Fashion Design and Merchandising), the admission is done through direct counselling based on merit. For BSc (Computer System and Design) and Five-Year integrated MSc Programmes shortlisted candidates are called for

an online written test. Based on the 12th standard Mathematics and Physics marks and the written test mark. The entire admission process is based on the communal reservation as per State Government guidelines.

Industry Interaction / Collaboration

Right from the beginning, the philosophy of the college has been to work with industries to help train engineers and solve problems faced by the industry. The presence of an industrial unit near the campus facilitated this interaction and this has led to the rapid industrialization of the city of Coimbatore. An industry interaction cell is established to promote industry - interaction/collaboration activities. Workshops and conferences are organized with the joint participation of the faculty and people from industries. Students and faculty members are encouraged to visit the industries. Industry experts participate in various academic advisory meetings pertaining to the development of the curriculum. Faculty also provide consultancy to various industries. Industrial testing services are provided by faculty and supporting staff at the site or in the laboratory. Joint research projects are carried out by faculty in collaboration with industries. Industry executives and practicing engineers participate in many of the academic activities such as project work viva examination and delivery of expert lectures to both students and faculty members. MoUs between the College and industries are signed regularly for improvement in industry-institute interaction. Practicing engineers also study ME part-time programmes offered by the college and engage in project work under the guidance of the faculty. Student internships are emphasized in student project works for solving industry-oriented problems under the guidance of industry guides and faculty. Short term training programmes are offered to employees of the industries. Scholarships instituted by industries are provided to the students. Experts from industries offer one-credit courses to students to leverage their knowledge of current industrial trends/requirements/practices. PSG Centre for Non-formal and Continuing



Education (CNCE) plan and disseminate latest explosion of knowledge and developments in various fields of science and technology for the benefit of executives and other working professionals in various business and industrial organizations, faculty and student community of educational institutions and public at large by organizing regular job oriented part-time and full-time programmes.

Human Resource Management

Administration provides transparency in rules of employment, promotion, increments, and retirement through a separate section that takes care of human resources. These rules are in line with the rules of the state government as the college is an aided institution of the Govt. of Tamil Nadu. However, the employees of self-financing courses are administered by regulations that are different from that of government employees. The promotion, award of increments, and support needed to travel abroad are provided by the college after appropriate interviews, verification of credentials, and merit in a transparent manner. These norms are communicated to all employees through circulars and invitations. Faculty members are permitted for the award of the international fellowships to pursue advanced studies/research.

Library, ICT and Physical Infrastructure / Instrumentation

To function as an effective and lively educational institution many support services are required to be provided to its constituencies. It has been the practice of PSG Tech to provide wholesome and affordable services to students coming from all sections of society. Within the campus, besides classrooms and laboratories, the GRD Library houses one of the extensive collections of books and journals necessary for the various course it offers. Moreover, there are free/subsidized textbook schemes available for students coming from economically weaker section of the society. Every year the library is updated with books and journals which address the latest developments in the relevant disciplines. This serves as an important resource for updating/introducing new courses to the students. The main library is having a

collection of 1,169 rare books from various publishers like CRC Press, Cambridge, Springer, John Wiley, McGraw Hill, Pan Stanford, Elsevier, Oxford, World Scientific, ASM international, and Intech, etc., This library also holds 32140 back volumes starting from 1930 onwards. In the non-curriculum aspect of infrastructure support, hostel facilities provide accommodation for almost 60 of the students. The college also boasts of a modern sports complex where various sports activities/competitions could be conducted.

Curriculum Development

Programme outcomes as instructed by the National Board of Accreditation (NBA) is used in the curriculum development and Programme specific outcomes are framed by the Programme Advisory Committee. The Vision and Mission of the Department, PEOS, POs, their correlation, programme outcomes, programme specific outcomes, the curriculum, and the course outcomes are displayed in the website of the department. The book in the printed form is distributed to the students when they are admitted to the college. The PEOs, POs, and PSOs are printed and displayed in various laboratories and important places. The course outcomes are made known to the students by the instructors for various courses through the respective course plans. The course outcomes are framed using a matrix that represent the relationship between the courses of study and the POs/PSOs. The outline of the courses satisfies the norms of the University Grants Commission (UGC), Anna University-Chennai, and All India Council for Technical Education

Teaching and Learning

Many models of teaching are routinely employed, including but not limited to lectures, laboratories, tutorials, project work, industry visits, and apprenticeships. These diverse pedagogic methods allow students to be exposed to the subjects of study in various formats and thus reiterate the learning required to master the skills and knowledge relevant to their program of study. With guidance from the approved syllabus, the faculty plans for the delivery by creating a Course Plan which generally also includes

problem sets, assignments, self-study, and library time. Availability and use of various teaching tools, such as software and apps, help both the teacher and the students to engage productively with the subject content and a learning opportunity. The college also offers opportunities for learning through special programs, lectures from renowned experts, short courses by industry experts or world authorities (for example, GIAN programs), and approved e-learning resources.

Examination and Evaluation

Student's learning is evaluated by employing different assessment tools suited for the subject under study using both continuous and end of the semester examinations. Students are graded relative to their peers in the class, on a scale of 0-10, from the marks they have earned in the evaluation process. The minimum marks for passing a course is 50. Students who have not earned passing marks are offered additional opportunities to prepare and earn at least 50 marks. The conduct of the examinations is administered through the office of the Controller of Examinations. With the availability of numerous online courses through the SWAYAM portal students and faculty members are motivated to learn the latest developments in their area of interest. Through the modules available under the e-governance developed in-house, students can provide online feedback on teaching, faculty members can conduct online tests and administration can view the academic reports

Research and Development

The availability of a large pool of experienced and talented senior faculty members engaged in advanced areas of research attract many young aspirants to pursue doctoral studies. Currently, there are more than 600 scholars registered for pursuing research degrees with Anna University, Chennai in the College. Besides the availability of mentors, the college has set up several state-of-the-art research and analytical facilities in areas such as nanotechnology, welding, additive manufacturing, tool and die design, machine tools, composites, and industrial textiles with support from the government and private agencies to

pursue advanced and relevant research in diverse areas. To promote innovative thinking among students, the college has set up innovation laboratories in all departments. Further, "Innovation Practice" has been introduced as a core course in the latest academic regulation. This has provided a forum for the students and faculty to identify a unique problem in their field of study and suggest an innovative solution. Establishment of Centres of Excellence caters to interdisciplinary research, Incubation / Innovation, resulting in better products and training. PSG Centre for Sponsored Research and Consultancy (CSRC) aid to foster industrial consultancy and research. Consultancy work and testing of materials / products are carried out by all the departments and centres of the institution for several government, private industries and organisations through CSRC.

6.2.2 – Implementation of e-governance in areas of operations:

E-governance area	Details
Planning and Development	E-governance is strategically implemented to empower the administrators to plan/control various activities of the college, development of infrastructure, and processing/delivery of information/reports to various stakeholders of the College.
Administration	MIS is in place. An administrative structure comprising of Principal, Deans, and Heads of Departments are responsible for the academic and administrative matters of the departments with one or more programmes. Overall quality is managed through the ISO system and Internal Quality Assurance Cell (IQAC). E-Governance is used for the effective implementation of ISO and IQAC initiatives. TEQIP phases are implemented successfully in the College with appropriate in-house developed e-governance modules. The academic calendar for each semester of the academic year is prepared well in advance for all the classes. The academic calendar consists of reopening day, common tutorial dates, continuous assessment test dates, assignment presentation dates, end semester

examination dates, vacation dates, etc for each semester. The same is made available to the faculty, staff, students, and parents through internet and intranet facilities. With such a synergy, academic and administrative structure is progressive in thought and action. The College aims at excellence and eminence in education.

Finance and Accounts

The College has already taken various steps for the implementation of E-Governance in Finance and Accounts. All the funds of the college received through tuition fees, grants from government agencies, and alumni are subjected to audits by internal and external authorities. The money collected from any stakeholder is immediately acknowledged with proper receipts. All the financial transactions are carried out through DBT which are linked with PAN/AADHAAR. The funds received for projects from funding agencies are supported by audited statements, utilization certificates, and technical reports. The initiatives such as fee collection from students, salary payment, the deposit of PF/ESI, deposit of TDS, payslips, other reimbursements to faculty, staff, visiting professors, and industrial experts, payment of fees to accreditation agencies, and all other financial transactions are made through Online mode.

Student Admission and Support

The academic program offered at PSG Tech is designed to encourage and motivate all the students to be regular and consistent in their efforts towards learning. In addition to this, PSG Tech makes special provisions for both the above and below-average students so that they may reap the benefits of the academic system of the College. There is a provision for quick learners to fast-track their courses in advance so that they can complete all courses other than project work of the final semester ahead of time. This allows them to take up project work outside of the campus, usually in industry. The College also offers special courses which are conducted by industry experts or international scholars for credits to their academic program. The Alumni, working all over the world, contribute to the scholarships for the present

students. They create endowments through the Alumni Association and provide scholarships on regular basis. They also support many Alumni activities organized inside the campus throughout the year. There are several associations available which aid in character building. These associations offer opportunities for learning life skills outside of the academic setting and include membership to professional societies, national/international organizations, local chapters, and skill enhancement clubs. E-governance is used to process information pertaining to many of the aforementioned activities.

**Examination**

The college has a well-equipped examination cell with a good level of automation and staff, headed by the full-time Controller of Examinations supported by the Deputy Controller. The entire examination activities as mentioned below are planned and controlled by in-house developed e-governance modules.

- Registration of students for Regular Supplementary courses.
- Calculation of examination fees and fee collection along with Tuition fees.
- The entry of Question paper setter and Valuer by HoD
- Preparation of CA test Time table
- Semester examination QP setter and valuation entry by HoD
- QP setting order sent by CoE
- Preparation of examination Galley
- Publication of examination Time table
- Examination Seating arrangement in the web portal for student view
- Semester Examination Invigilation duty assignment and order printing
- Valuation order dispatched.
- Valuation mark entry and printing of Hardcopy of mark sheet.
- Generation of valuation claim bill
- Publication of result in college website on the same day of Result Passing Board
- Applying for Revaluation and Retotalling only through online
- Publication of Revaluation result in the college website
- Generation of Course-wise pass percentage reports and other reports.

**6.3 – Faculty Empowerment Strategies**

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/	Name of the	Amount of support
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		workshop attended for which financial support provided	professional body for which membership fee is provided	
2019	Dr. Suresh Kumar V	International Conference on Smart City and Information 2019, Guangzhov University, China	Nil	148000
<a href="#">View File</a>				

6.3.2 – Number of professional development / administrative training programmes organized by the Colleges for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	Nil	Staff Development Programme on "5 "S" File Management" for Office / Administrative / Library Staff	29/06/2019	29/06/2019	Nil	39
<a href="#">View File</a>						

6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
ACM India Summer School in Algorithmic and Theoretical Aspects of Machine Learning, IIIT Bangalore	1	10/06/2019	28/06/2019	17
<a href="#">View File</a>				

6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
29	29	38	38

### 6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<ul style="list-style-type: none"> <li>• Provident fund.</li> <li>• Group Insurance.</li> <li>• Special casual leaves.</li> <li>• Long term leave for pursuing higher education in premium institutions.</li> <li>• Concession in medical expenses for treatment at PSGIMSR.</li> <li>• Staff Quarters.</li> <li>• Cash incentives for publications and other achievements.</li> <li>• Travel grant for attending conferences, workshops, STTPs, FDPs and research project proposal preliminary presentations.</li> <li>• Faculty club.</li> </ul>	<ul style="list-style-type: none"> <li>• ESI.</li> <li>• Group Insurance.</li> <li>• Special casual leaves.</li> <li>• Concession in medical expenses for treatment at PSGIMSR.</li> </ul>	<ul style="list-style-type: none"> <li>• Group insurance (inclusive of parents).</li> <li>• Endowment scholarships.</li> <li>• AICTE fee waiver scheme.</li> <li>• Tuition fee waiver for SC/ST students and first graduate students.</li> <li>• Library book bank for economically backward students.</li> <li>• Travel grant for attending conferences.</li> <li>• Competitive examinations (GATE) and online courses (NPTEL) fee reimbursement.</li> <li>• Financial grant for project works through PSG-STEP Technovator scheme.</li> <li>• Travel grant by Student Union.</li> <li>• Clubs and Associations.</li> <li>• Concession in medical expenses for treatment at PSGIMSR.</li> </ul>

## 6.4 – Financial Management and Resource Mobilization

### 6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

State government grant: Audit is conducted annually by the office of the State Government Local Fund Audit and the consolidated report is submitted to the Directorate of Technical Education, Chennai, for further action. In case of discrepancies pointed out by the audit team, remarks from the college are sought out and if found satisfactory, the issue is closed. If not found satisfactory, suitable corrective action recommended by the DoTE is informed to the college for the closure of the issue. Central government grant: Audit is conducted by the Chartered Accountant appointed by the college and relevant utilisation certificate signed by the Chartered Accountant and the principal is sent to the sanctioning authority. Subsequently, the audit is also carried out by the Accountant General's office for final approval. Management grant: Concurrent Audit is conducted by the audit team of the accounts department of the PSG Trust. The annual audit is conducted by the Chartered Accountant appointed by the Management and the report is submitted to the Managing Trustee for further action. All receipts and payments in respect of Grants received from Government of India / Government of Tamilnadu are audited regularly by internal external audits.

### 6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
Funds from Management	293103195	All Self-supporting Aided Programmes
<a href="#">View File</a>		



## 6.4.3 – Total corpus fund generated

25000000

**6.5 – Internal Quality Assurance System**

## 6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	TUV SUD	Yes	Principal, PSG College of Technology
Administrative	No	Nil	Yes	PSG Management

## 6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

- 1) Participation in parents meeting during the start of the academic year. 2) Participation in various interaction meetings with visiting accreditation committee members. 3) Participation as representatives in the Anti Ragging Committee. 4) Participation as Member in IQAC.

## 6.5.3 – Development programmes for support staff (at least three)

- 1) Staff Development Programme on "5 "S" File Management" for Office / Administrative / Library Staff on 29.06.2019 (39 participants) 2) Staff Development Programme on "Institution Safety and Fire Safety" for General Maintenance / Laboratory / Technical Staff on 13.07.2019. (48 participants) 3) Staff Development Programme on "Effective Communication Skills" for Office / Administrative / CoE Staff on 13.07.2019. (36 participants) 4) Staff Development Programme on "Fundamental Procedures Regarding IT, EPF, ESI, Government Procurement Procedures and Fund Transfer" for the benefit of the Office / Administrative / CoE Staff on 08.02.2020 (42 participants)

## 6.5.4 – Post Accreditation initiative(s) (mention at least three)

- 1) Procurement of E-books in consultation with all the departments for the development of E-library. 2) Conducting Value-added courses. 3) Establishment of IPR cell. 4) Appointment of separate career counsellor and placement counsellor. 5) Provision of seed money to faculty members 6) Profiling of first year students for career counseling and introduction of employability enhancement courses. 7) Appointment of Associate dean for Placement and Training.

## 6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	Yes
c) ISO certification	Yes
d) NBA or any other quality audit	Yes

## 6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	First IQAC meeting	25/07/2019	25/07/2019	25/07/2019	20

[View File](#)

## CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

### 7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Anti Tobacco Competition	28/09/2019	28/09/2019	42	38
Swacch Bharath	26/09/2019	26/09/2019	45	35
Anti Tobacco and Cleanliness	28/09/2019	28/09/2019	60	90
Silambam Demo	21/09/2019	22/09/2019	1	4
Arm Wrestling	22/09/2019	22/09/2019	30	35
Women and Entrepreneurship	09/04/2019	09/04/2019	120	Nil

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
<ul style="list-style-type: none"> <li>• Percentage of the power requirement of the institution met by the renewable energy sources - PSG College of Technology meets 80 of its energy requirement through Solar and Wind Energy.</li> <li>• A complete ban on usage of one-time-use plastics inside the campus.</li> <li>• Reduction of usage of Flex board displays inside the campus.</li> <li>• Increase in usage of LED lights.</li> <li>• Use of recycled water for gardening purposes.</li> </ul>

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	40
Provision for lift	Yes	40
Ramp/Rails	Yes	25

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2020	Nil	10	25/01/2020	7	Voters Awareness Rally, Aids awareness rally, Environment cleanline ss, Tree	To people of Peelamedu Bellepalam, Chen napalayam, Thenpudi, Puliyampatti	1302

plantation, Mallego undapalayam Perur. To act as scribes in various institutions

[View File](#)

#### 7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
General instructions to members of the staff	10/06/2019	This handbook indicates the standard procedures and practices for various stakeholders of PSG College of Technology

#### 7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Entrepreneurship Development Program - Technical Textiles - Products Technologies	14/09/2019	14/09/2019	20

[View File](#)

#### 7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

- Construction wastes partly used for in-house track and road formation in addition to basement filling for new buildings
- Use of recycled water for green landscaping.
- Hazardous waste disposal: used oils, electric wires, batteries, plastic bottles are sent to recycling process through certified vendors
- E-waste: Computers and other electronic wastes are disposed through certified Vendors.
- PSG College of Technology meets 60 of its energy requirement through Solar and Wind Energy.

### 7.2 – Best Practices

#### 7.2.1 – Describe at least two institutional best practices

**BEST PRACTICE – I LIBRARY**

1. Title of the practice • Exploring of E-resources through Remote Access and Mobile Access facility by students and faculty • IRINS Faculty Profile for our Institution • Library Internship program for students
2. The context that required the initiation of the practice (100 - 120 words) Dr.GRD Memorial Library has introduced the remote access and m-library tool for accessing the library resources using the tool called Knimbus e-library. This tool helps the faculty, students, and scholars to access the subscribed as well as the open-access electronic resources using mobile devices even outside the campus. This tool also provides an option to understand the usage of electronic resources of our institution. Dr.GRD Memorial Library has created IRINS Academic Profile for our faculty to improve the research visibility and to update the research activities carried out in the academic tenure. As a corporate social responsibility activity, Dr.GRD Memorial Library has initiated the Library Internship Program for the students who are pursuing their masters degree.
3. Objectives of the practice (50 - 60 words) To provide

remote access facility to all the students, faculty, and scholars To promote the e-resources procured by the Dr.GRD Memorial Library To understand the effective utilization of e-resources subscribed by the library To analyze the category of user's utility of resources To facilitate the students, scholars, and faculty to access the resources anywhere anytime. To connect the users with the library by various notifications To create research visibility of our faculty through IRINS To enrich the societal knowledge by Library Internship Program

4. The Practice (250 - 300 words) The students are provided with Knimbus e-library platform access which enables them to access the e-resource available with the library inside the campus as well as remotely. The administrator will be able to pull out knimbus access reports group-wise such as Professor, Assistant Professor, Associate Professor, Post Graduate Students, Undergraduate students, etc., Knimbus also helps to extract the reports based on publisher wise usage, Publication wise usage, content-wise usage and also the mode of access (Remote, M-library) can be analyzed. By using this tool monthly reports are sent to all Heads of the departments to maximize the usage of procured electronic resources. Students can log in using the mobile app and access the electronic resources anywhere inside the campus or out of the campus. It serves as an immediate reference material to clarify the doubts. Most of the students have started using the resources through the Mobile App. Various types of content such as e-books, e-journals, e-thesis, and videos are available. Moreover, the federated search option helps to retrieve the result using a single keyword. Internship to students in the Library enriches them with the current trends and ICT tools available with the library applications. This will pave a way for the students to further develop the library in modern aspects, and also improves their job prospects. Faculty research profile has been created for all the faculty members using the research profile management system ids, to promote research work and to create a wide research network in the concerned domain. It also widely enriches the quality of research publications and promotes analytical methods to understand the position in the global scenario.

5. Obstacles faced if any and strategies adopted to overcome them (150 - 200 words) : The major obstacle is authenticating the users' credentials and mapping the same with the departments. Reporting strategy varies from institution to institution, and in this context, a method to extract the reports with various features is proposed. Customized reports for the institution have created some issues concerning the mapping of users, authentication of users, and reporting from macro to micro-level like category wise, publication type, and so on. This tool does not support the SAML format which is required to integrate other web search engines.

6. Impact of the practice (100 - 120 words) Students can access the e-resources remotely. It has helped widely during the pandemic period. Moreover, with a single click, everyone can get relevant results in various content types. All the students can browse and become familiar with subscribed and open access resources. Students can access through the mobile app using their hand-held devices. E-resources usage can be tracked and presented to the targeted user group. Less utilized resources can be identified and removed for future purchase. Users current requirements and expectations can be analyzed from time to time. Students can understand the value of library resources and the ways to follow to attain the right information at right time.

7. Resources required: Subscribed e-resources with title URL list, Knimbus Cloud IP which needs to be approved by all the subscribed publishers. Launching Mobile App in Google Playstore, IRINS Data Collection.

8. About the Institution

- i. Name of the Institution : PSG College of Technology
- ii. Year of Accreditation : 2019
- iii. Address : Peelamedu, Coimbatore
- iv. Grade awarded by NAAC : A
- v. E-Mail : principal@psgtech.ac.in
- vi. Contact person for further details : The Principal, PSG College of Technology
- vii. Website : www.psgtech.edu

BEST PRACTICE - II

1. Title of the practice: PREPARING STUDENTS FOR PLACEMENT READINESS
2. The context that required the initiation of the practice Though students admitted

to Engineering courses are strong in technical skills, they lack the skill set required for clearing the Aptitude Test given by companies. Regardless of the type of company, the students need to clear the Aptitude Test to qualify for the technical rounds. This was a major hurdle among the students in getting placed. Hence, it was identified that the students opting for Placements need to be given a refresher course in this area along with Soft skills training which is required to face the interviews.

3. Objectives of the practice The Objectives are: 1) To improve the Quantitative and Reasoning Skills of the students 2) To enhance the Soft skills 4. The Practice The students opting for placements are pre-assessed with a 90-minute test involving Quantitative, Reasoning, Verbal and Programming skills. Based on the performance, students are categorized into two categories viz., Alpha and Beta. Alpha category students are given a training program for 27 hours and Beta students are given a training program for 52 hours. These courses are given in capsules of 3 or 4 hours per day. At the end of each capsule, practice tests are also conducted.

On completing the course, students are required to take 35 online tests to prepare themselves to face the real Aptitude Test conducted by companies who visit the campus for recruitment. In the Alpha category, students who are confident and capable are given an option to skip the training course but they are required to complete the 35 online tests. The entire program is outsourced to a third party who has a good reputation in this area.

5. Obstacles faced if any and strategies adopted to overcome them Initially, it was difficult to convince the stakeholders about the importance of this practice. Several meetings were organized with the Student Representatives and the Program Coordinators to agree on the same. The third-party for this program has been selected after strict evaluation and approval from the Principal and Management.

6. Impact of the practice More number of students cleared the Aptitude test and got qualified for the further rounds.

7. Resources required

- 1) Classrooms with projector
- 2) Internet and Computing Resources for conducting online tests
- 3) Good trained faculty to conduct the program
- 4) Administrative resources to monitor the conduct of the program

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- vi. Contact person for further details : The Principal, PSG College of Technology

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

[https://www.psgtech.edu/Best%20Prctices\\_2019-20.pdf](https://www.psgtech.edu/Best%20Prctices_2019-20.pdf)

### 7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

PSG College of Technology is an institute that coexists with the industry right from its inception. A Commercial company manufacturing pumps, motors, and machine tools work within the same campus. A modern foundry with 600 tonne capacity per month is also connected to the college. Students are permitted to visit these companies anytime to learn industrial engineering practices. During its 69 years of existence, PSG College of Technology has made deep forays into the advancing world. It has shaped the minds of future people with elan. The institute has groomed an effective human resource for Indian/foreign industry and government administrative services. The success of industry-focused education given at PSG can be witnessed through the contribution of PSG alumnus in the industrial development, IT industry, and management education. Entrepreneurship is another major focus at PSG Tech. The alumni are successful in creating enterprises in various fields of Engineering. HCL, PRICOL, and more than 500 small and medium companies were established in Coimbatore and all over

India by the alumni. • NIRF 2020 RANKING: PSG College of Technology has secured rank 49 in Engineering Category, 46 in management category and 85 in overall category. • INDIA TODAY 2020 RANKING: PSG college of Technology is ranked 9 in Engineering (Private) category and ranked 6 in Private-South Zone category. • THE WEEK 2020 RANKING: PSG College of Technology grabbed 30th rank in Engineering (Overall) category, 6th rank in Engineering (Private) category and 4th rank in Engineering (Private- South zone) category. • OUTLOOK 2020 RANKING: PSG College of Technology secured 5th rank in Engineering (Private) category and 3rd rank in Engineering (Private - South Zone) category. • EDUCATION WORLD INDIA 2020 RANKING: PSG college of Technology is ranked 4th in Engineering (Private) category among Engineering institutes across India.

Provide the weblink of the institution

<https://www.psgtech.edu/Institutional%20Distinctiveness.pdf>

### **8.Future Plans of Actions for Next Academic Year**

Plans of action are to focus on • Strengthening placement/career guidance/higher studies and improvements in student-centric learning. • Leveraging the geographical advantage of the institution for placement activities. • Nurturing holistic development of students. • Improvement in the usage of MOODLE and other software tools to conduct tests, assignment presentations, and quizzes by the faculty members. • Identification of real-life problems to apply for industrial collaborative sponsored research projects and commercially viable products for patenting • Engagement of students and faculty members in inter-disciplinary projects.