



St. PETER'S INSTITUTE OF HIGHER EDUCATION AND RESEARCH

(Declared under section 3 of the UGC Act.1956)
NAAC Accredited & ISO 9001:2015 Certified Institution



IQAC NEWS LETTER - DECEMBER 2018

IQAC

As per National Assessment and Accreditation Council (NAAC) guidelines every accredited institution should establish an Internal Quality Assurance Cell (IQAC) as a post-accreditation quality sustenance measure. Since quality enhancement is a continuous process, the IQAC becomes a part of the institution's system and works towards realization of the goals of quality enhancement and sustenance. The prime task of the IQAC is to develop a system for conscious, consistent and catalytic improvement in the overall performance of institutions.

Objectives of IQAC:

1. Preparation of AQAR
2. Periodic Meetings for Quality output
3. Organizes programmes to inculcate the research culture and societal responsibility
4. Feedback collection & Analysis
5. Academic audits each Semester
6. Departmental action Plan & Report
7. Plan for the Institute for the next academic year

Functions of IQAC

- Preparation of Annual Calendar events for the Quality Assurance
- Generating and promoting awareness on Quality sustenance by conducting frequent meetings for Quality output.
- To come out with procedures and mechanisms to maintain quality in all aspects of Teaching-learning-Evaluation process.
- Measuring the outcome of academic performance of the institution by conducting Academic Audits each semester
- Ensuring continuous improvement in all the operational aspects of the Institute
- To keep the institution abreast of quality sustenance activities such as Workshops / Seminars etc.,
- Developing realistic and attainable quality benchmarks for each of the academic and administrative activity through plan of action, internal assessment, workshops etc.
- Preparation and submission of AQAR every year to NAAC.

PLANS OF STRATEGIC

- **ACADEMICS:** Develop an outcome based education system by enhancing teaching learning processes through ICT tools, establishment of standard laboratories, vigorous transparent and time bound assessment methods, imparting quality technical education through scholastic excellence and empowering students for higher education in world renowned institutions.
- **RESEARCH AND DEVELOPMENT :** Develop a culture of research through establishment of recognized laboratories for doctoral studies, encourage the faculty and students for attending International/ National Conferences, Seminars, Workshops, Paper Presentations and faculty development programmes by providing financial support from institute.
- **SOCIO-ECONOMIC DEVELOPMENT:** Apart from technical knowledge other professional qualities like soft skill, communication skill, personality development, environmental protection, humanities, social responsibilities, sport and conservation of natural resources are inculcated in students. The institute plans to organize such program through NSS and departmental clubs throughout the year.
- **FEEDBACK SYSTEM:** Develop a strong feedback mechanism to get key inputs from students, parents, staff and all stakeholders for assessing and improving the quality of the system. Improve the quality by proper assessment of faculty through rigorous annual performance appraisal system and regular academic audits.

IQAC CORE TEAM of SPIHER

Dr. Francis C Peter
Vice Chancellor, Chairperson

Dr. L. Mahesh Kumar,
Registrar, Member

Dr. D. S. Ramachandra Murthy,
Director R&D & Bursar, Member

Dr. S. Stella Mary, HOD/Physics
(Co-ordinator), Member

- **TRAINING AND PLACEMENT:** Activities like Inplant training/ Internship, Industrial Tour, Industry based projects, personal and technical skill development, Workshops/ seminars, entrepreneurship awareness programs should be regularly conducted to make students more employable. Intensive efforts should be taken to bring branded companies for campus placement.
- **ACCREDITATION:** All the programs of the institute should be accredited by various reputed national and international level accreditation agencies to ensure the quality of the various processes and their outcomes.

FINDINGS OF THE ACADEMIC AUDIT CONDUCTED IN ODD & EVEN SEMESTERS

The academic audit as scheduled for this year for both odd and even semesters were conducted based on the seven criteria prescribed by NAAC and the audit summary is shown below. We congratulate the Departments of Civil and MCA for performing well and achieving excellent score. According to the audit summary more efforts had to be put on the research, consultancy and Extension activities of the University.

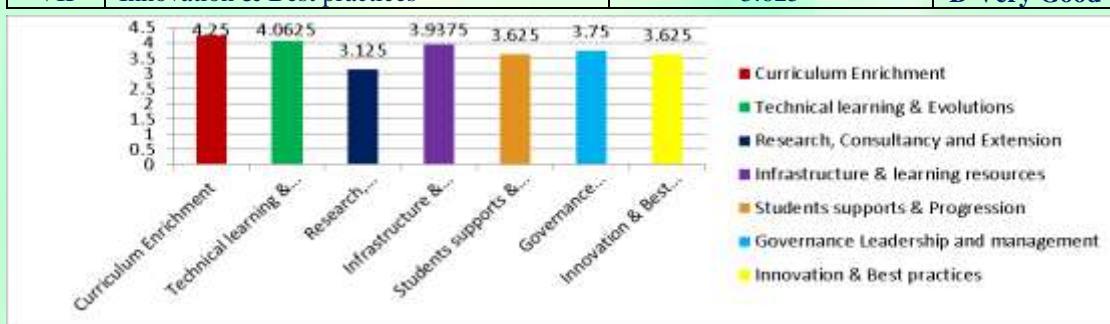
IQAC Academic Audit Summary- 2018 - 2019

S.No	Dept.	Crit. - I	Crit. - II	Crit. - III	Crit. - IV	Crit. - V	Crit. - VI	Crit. - VII	Total	Average Score on 5 point grading	Grade
1.	B.Arch	4	4	3	4	4	4	4	27	3.86	B-VeryGood
2.	Bio Med	4	3	4	4	3	4	4	26	3.7	B-VeryGood
3.	BioTech	4	4	4	4	4	4	4	28	4	B-VeryGood
4.	Chemistry	4	4	3	4	4	4	5	28	4	B-VeryGood
5.	Civil	5	4	3	4	5	4	4	29	4.14	B-VeryGood
6.	Commerce	4	4	3	4	3	4	3	25	3.57	B-VeryGood
7.	CSE/IT	5	4	3	4	3	4	3	26	3.7	B-VeryGood
8.	ECE	5	5	5	4	4	5	5	33	4.7	A- Excellent
9.	EEE	5	4	3	3	3	3	3	24	3.42	C-Good
10.	English	4	4	2	4	3	3	4	24	3.42	C-Good
11.	Maths	4	4	3	4	4	3	3	25	3.57	B-VeryGood
12.	MBA	4	5	3	4	4	4	3	27	3.86	B-VeryGood
13.	MCA	4	4	3	4	4	3	3	25	3.57	B-VeryGood
14.	Mech	4	4	3	4	3	4	3	25	3.57	B-VeryGood
15.	Physics	4	4	3	4	4	3	4	26	3.7	B-VeryGood
16.	Tamil	4	4	2	4	3	4	3	24	3.42	C-Good

WA-Weighted Average | A-Excellent (4.5-5) | B-Very Good (3.5-4.49) | C-Good(2.5-3.49) | D-Average(1.5-2.49)
| E-Poor(<1.49)

ACADEMIC YEAR – 2018-19 OVERALL PERFORMANCE OF THE DEPARTMENTS OVERALL UNIVERSITY AVERAGE SCORE

S.No.	Criteria	Score on 5 Average Score on 5 point grading	Grade
I	Curriculum Enrichment	4.25	B-Very Good
II	Technical learning & Evolutions	4.0625	B-Very Good
III	Research, Consultancy and Extension	3.125	C-Good
IV	Infrastructure & learning resources	3.9375	B-Very Good
V	Students supports & Progression	3.625	B-Very Good
VI	Governance Leadership and management	3.75	B-Very Good
VII	Innovation & Best practices	3.625	B-Very Good



Awards & Recognition

We have very good faculty who maintains the quality of teaching learning process and here are some of our faculty who have achieved laurels in their carrier. We feel proud to congratulate the following faculty for their achievements.



- Dr. S. Gunasekaran, Dean (R&D) ,Lifetime Achievement Award by the University of Madras during the International Symposium on Crystallography and Advanced Materials in 2018.
- Dr. S. Gunasekaran, Dean (R&D), Lifetime Achievement Award by the AMET University, Chennai during the International Conference on Advances in Materials Science and Engineering for Societal Applications in 2018.
- Dr.Sayeeda Sultana, Prof. & Head, Chemistry- “Golden Gurus” Award from GRT Jewellers on 17th September 2018 in Chennai.
- Dr.Sayeeda Sultana, Prof. & Head, Chemistry- Life time Achievements National award,Oct 2018, IRDP Group of Journal,Chennai
- Dr.K.Kantharaj, Professor, Bio-Medical Engineering- “Valar Tamil Maamani” was awarded by Excellency Thiru.Vyaapuri, President of Republic of Mauritius in 2018.
- Dr.R.Rani Hemamalini,Prof.& Head, EEE - became the Fellow of IEI.
- Dr.N.Srinivasan, Prof.Head, Maths - Rula International Award, by International Journal of Research under literal Access in 2018
- Dr.R.Gayatri, Professor & Head, MBA- “Golden Gurus” Award from GRT Jewellers on 17th September 2018 in Chennai
- Dr. R. Latha, Prof &Head- “Golden Gurus” Award from GRT Jewellers on 17th September 2018 in Chennai.
- Dr.S.Stella Mary, Prof&Head, Physics- Women’s women Award –AMN Global group –received from P.Susheela.

MOU'S SIGNED WITH INDUSTRIES / INSTITUTIONS

- A memorandum of Understanding was signed on **06.06.2018** with **Siemens Healthcare Private Limited**.
- A memorandum of Understanding was signed on **07.07.2018** with **Indian Maritime Management and Research Institute (IMMRI)**.
- A memorandum of Understanding was signed on **10.08.2018** with **CADD CAMM Solutions(Mech)**
- A memorandum of Understanding was signed on **26.09.2018** with **Indian Institute for Knowledge and Excellence (IIKE)**.
- A memorandum of Understanding was signed on **29.10.2018** with **C-DAC Gist PACE Authorized Training Centre (C-DAC)**
- A memorandum of Understanding was signed on **12.08.2018** with **Education Matters**.
- A memorandum of Understanding was signed on **21.06.2018** with **IBM India Pvt. Ltd.**
- A memorandum of Understanding was signed on **21.06.2018** with **Taylor’s University sdn.Bhd., Malaysia**.
- A memorandum of Understanding was signed on **21.06.2018** with **Cambridge**.

PATENTS FILED

We congratulate the Department of EEE for filing Patent this year on Advanced Vehicle Control and Safety Systems, An Air Quality Mobile Monitoring Device.

R&D PROJECTS

The University promotes high quality research through expert guidance by experienced faculty. The research work of the scholars is reviewed periodically. Workshop on Research Methodology is conducted every year. Awareness on high quality publications and metrics is created among faculty and research scholars through special lectures. Awareness about Intellectual Property Rights is also created through special lectures. Faculty and research scholars are encouraged to apply for grant for research projects. Emphasis is given for innovative projects. *Centre for Innovation* has been created.

The faculties are encouraged to prepare proposals for obtaining grant from various funding agencies. The students are advised to take up socially relevant and nationally important research projects for their project work in final year B.E./B.Tech., and M.E./M.Tech. Courses. They are also encouraged to present technical papers in conferences and seminars. A number of students have presented papers in seminars/symposia.

List of Projects applied for Grant during the Academic Year

The departments of Mechanical, Bio-Technology, Civil, EEE, ECE, MCA, Physics, Chemistry and SPEC- TBI have applied for Projects to different funding agencies like **Co Research Grant BRNS, SERB NII Ayog, MHRD and DST.**

Details of Grant received/sanctioned during 2017-18

- Project - Production of methanol using electrolysis of carbonates from carbon capture and storage plant ES-043- TNSCST -0.75 lakhs
- Project - Electrodeposited mn02 on activated carbon electrodes for super capacitor applications PS-019- TNSCST -0.75 lakhs

PROGRAMME ORGANISED

The following Programmes were organized by the departments during the semester

- Inaugural Programme for I year UG and PG students of NSS, August 2018, Chief Guest MFJ.Lion & Dr.GaneshJayaraj.
- YOGA Awareness Programme, August 1, 2018, Resource Person: Mr. L. Saravanan, YOGA Master.
- Induction programme for New Faculty, August 4, 2018.
- Workshop on “Microsoft Project” by “i-3 Design Technologies”, Dept.of Mathematics, Au.t 7, 2018.
- Special lecture on “Traffic Management”, Dept. of Civil Engineering, August 14, 2018. Chief Guest: Dr.K.P.Subramanian, Former Professor, Anna University.
- Inaugurated Commerce Incubators -“Start Ups and Push Ups”, Dept.of Commerce, August 19,2018. Chief Guest: Dr.PT.Giridharan, Joint Director and Regional Head,(Sothern Regional Office),The Institute of Chartered Accountants of India, Chennai
- Inaugurated club -“Cyberclub”, Dept.of CSA, August 23,2018. Chief Guest: Dr.S.Selvakani, , Tiruvalluvar University Constituent College of Arts and Science, Arakkonam & Mr.E.Saidinesh Babu, **Operations Manager,Amazon Development Centre India Pvt Ltd** Chennai.
- Workshop under Value Education Titled “Eternal Peace”, Dept.of Management Studies, August 24,2018, Resource person:Mr. Shri.Ragupathy, Prof. SKY Centre, Avadi, Chennai.
- Certificate Course On Modern Project Management, Dept.of Management Studies, August 29 - 30,2018, Resource person: Mr.Arivalagan, CEO, IIPM, Chennai.
- Faculty Development Programme on” Cognitive Computing using IBM Watson”, Aug.30-31, 2018.
- Faculty Development Programme on” Cloud computing using IBM Bluemix “, September 6-9, 2018.
- Special lecture on “Bridge Analysis and Design”, Dept. of Civil Engineering, September 7, 2018. Chief Guest: Mr.M.Vinayaka Murthy.
- Inaugurated “**Institution of Dravidian Studies**”, 15th September 2018.
- Training Programme for the competitive exam, Dept.of Commerce, September 25,2018, Resource Person: Mr.K.Jayachandran, Trainer – IIKE,Chennai.
- Workshop on ‘*Synthesis & Processing of Nanostructured Materials*’, Dept.of Physics, October 8 -9, 2018, Resource Persons: Dr. K. Ravichandran, Associate Professor,Department of Nuclear Physics,University of Madras, Guindy Campus, Chennai, Dr. K. Thanigai Arul,Asst.Prof., Depr.of Physics, Academy of Maritime Education and Training, Kanathur., Dr. G. Balakrishnan, Associate Prof., Dept.of Physics, Bharath Institute of Higher Education and Research, Selaiyur, Chennai.
- Industrial Visit for Faculty Development Programme on” 9th October, 2018 at IBM, Kandanchavadi.
- Muthamizh Vizha –Tamil Department, 16th October 2018.

- Certificate Course on “We can Win and we will”, Dept. of Commerce, October 29, 2018. Resource Person: Dr.Sundari Suresh, Certificate soft skill trainer,New Delhi.
- Programme on Mobile application“My green foot Print”, Dept.of Management, October 16, 2018. Chief Guest:Dr.Raja K.Boopalan, CEO, Home Page to A.P.J.Abdul Kalam and Mr.Karthigai Chelvan, Managing Editor, Puthiya Thalaimurai, Chennai.
- Faculty Development Programme on” Mobile Application using IBM Work-light”,Oct.26-28, 2018.
- Workshop on “Open Source Mathematics Software and its Applications”, Dept.of Mathematics, November 9, 2018, Resource Persons: Dr. J. Sengamalaselvi, Dr.T.N.Kavitha, Dr.A.Dhanalakshmi, Assistant Professor, Department of Mathematics, SCSVMV, Chennai.
- Training Programme on “English Communication Skills”, Dept.of English, November 3, 2018. Resource Person: Dr. Gowri Shanker M.A.,M.Phil.,PhD Loganatha Narayanasamy Government Arts & Science College, Chennai.
- Workshop on “Research Methodology and Techniques”, Dept. of CSA, Nov.2-3, 2018.
- Orientation Programme on “NET Paper-1”, Dept.of Commerce, November 25,2018, Resource Person: Mr.M.Balamurali.
- Workshop on” Implementation of OBE and Blooms Taxonomy in the Question paper” , 18th - 22nd December 2018.



Commerce Incubators–Start Ups and Push Ups



We can Win and we will



Orientation Programme - NET Paper-1



Mobile App Release Programme



Research Methodology Workshop



Synthesis & Processing of Nano structured Materials - Workshop

Guest Lectures:

The following guest lectures were arranged by the departments during the semester

S.No	Title of the Topic	Resource Person	Date
1.	Career opportunities in direct selling	Mr.Babu, Director, Vestige Pvt Ltd., Chennai	26.07.2018
2.	Career Opportunities in shipping, logistics and Port Management	Mr.Mohan, Chairman, IMMRI, Chennai	07.08.2018
3.	Basics of Physics	Dr. R. Sugraj Samuel Assistant Professor, New College, Chennai.	23.08.2018

4.	Graph Theory and its Applications	Ms.A.Seethalakshmy, Assistant Professor, SPCET , Chennai	23.08.2018
5.	Numerical Methods and Statistical Applications	Ms. Yamini Latha Assistant Professor, St.Peter's College of Engg. & Technology	October 2018
6.	Value Education Titled "Health Awareness Program For Girls Students	Dr. Nazreen, Indigo Women Centre	28.09.2018
7.	Value Education Titled "Health Awareness Program For Faculty	Dr. Nazreen, Indigo Women Centre	13.10.2018



Career opportunities in direct selling



Career Opportunities in shipping, logistics and Port Management



Independence Day was celebrated on 15th August 2018. Dr.Francis C Peter, Vice Chancellor, hoisted the national flag and addressed the gathering. Several staff members and students participated in the function. Breakfast was served for all the participants.

NATIONAL SERVICE SCHEME

The NSS Unit along with IQAC cell conducted several programmes during the academic year.

CLEANING THE CAPMPUS- SWACHH BHARATH & PLANTING OF TREES -SWACHHTA HI SEVA CLEAN INDIA CAMPAIGN

Initiatives have been taken by the students and faculty of all the departments to keep the campus clean and tidy. All the departments took initiative of planting trees in the campus for the environmental benefits.

