



St. PETER'S UNIVERSITY

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



IQAC NEWS LETTER JUNE 2016

IQAC

- To develop a system for conscious, consistent and catalytic action to improve the academic and administrative performance of the institution.
- To promote measures for institutional functioning towards quality enhancement through internalization of quality culture and institutionalization of best practices.

Findings Of The Academic Audit Conducted In Even Semester

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 Bio-Med, Civil, CSE, MBA 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 CORE TEAM of SPU

Dr. S. Ravichandran 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

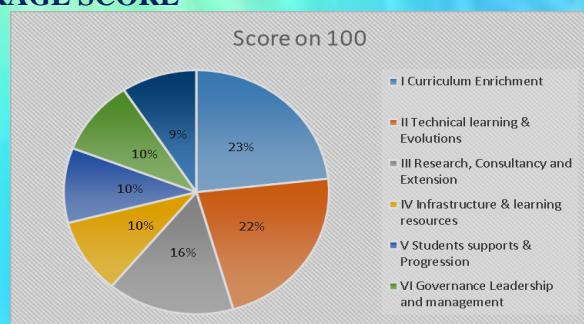
IQAC Academic Audit Summary- April 2016

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.	Bio Med	92	94	86	42	45	48	45	452	4.52	A-Excellent
2.	B.Arch	95	92	20	50	50	50	50	407	4.07	B-Very Good
3.	Chemistry	99	95	62	48	44	47	45	440	4.4	B-Very Good
4.	Civil	100	100	97	49	50	49	50	495	4.95	A-Excellent
5.	CSE	100	100	76	47	45	50	38	456	4.56	A-Excellent
6.	ECE	100	88	98	37	45	34	30	432	4.32	B-Very Good
7.	EEE	94	92	70	43	30	40	20	389	3.89	B-Very Good
8.	English	90	96	47	25	44	27	45	374	3.74	B-Very Good
9.	IT	95	89	61	36	35	25	24	365	3.65	B-Very Good
10.	Maths	95	67	23	10	20	25	40	280	2.8	C-Good
11.	Mech	95	85	69	46	46	43	39	423	4.23	B-Very Good
12.	MBA	99	100	90	50	50	50	48	487	4.87	A- Excellent
13.	MCA	100	100	76	47	45	50	38	456	4.56	A- Excellent
14.	Physics	96	92	27	40	30	40	25	350	3.5	B-Very 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)

OVERALL PERFORMANCE OF UNIVERSITY AVERAGE SCORE

S. No.	Criteria	Score on 100
I	Curriculum Enrichment	96
II	Technical learning & Evolutions	92
III	Research, Consultancy and Extension	64
IV	Infrastructure & learning resources	41
V	Students supports & Progression	41
VI	Governance Leadership and management	41
VII	Innovation & Best practices	38



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. R.Latha, Professor & Head ,MCA ,*Women's Women Award* by AMN Global Groups in Association with SPAARC Eventz & Cricket Federation of Tamil Nadu, on 8th March 2016.
- Dr. R.Gayatri, Professor and Head MBA, Outstanding Faculty award from Venus International Foundation, Chennai, on 4.7.2015.
- Dr. R.Gayatri, Professor and Head MBA ,Best Research Supervisor Award from GRABS International Foundation, Chennai, on 1.10.2015.
- Dr. R.Gayatri, Professor and Head MBA ,Best Faculty award from Navraj Educational and Charitable Trust, Coimbatore, on 28.02.2016.
- Dr. R.Gayatri, Professor and Head MBA ,Senior Women Educator and Scholar from National Foundation for Entrepreneurship Development on 8th March, 2016.
- Dr.D.S.Ramachandra Murthy, Director (R&D) Member, Editorial Board, *International Journal of Fatigue and Fracture of Engineering Materials and Structures* published by Elsevier.
- Dr.D.S.Ramachandra Murthy, Director (R&D) Member ,Reviewer, International Journal *Construction Materials, U.K.*.
- Dr.D.S.Ramachandra Murthy, Director (R&D) Member ,Reviewer, *Natural Hazards* published by Springer.
- Dr. P.Asha, Professor ,Civil Engineering. Reviewer of Computers and Concrete, Journal of Structural Mechanics and International Journal of Earth Sciences and Engineering
- Dr. S.Pushpa, Professor and Head ,Computer Science Engineering ,Editor-in-Chief for International Journal on Advanced Computer Theory and Engineering.
- Dr.S.Gunasekaran, Dean (R&D) ,Founder President, Indian Spectrophysics Association.
- Dr.L.Maheshkumar, Director (Academic) ,Secretary of the Indian Institute of Production Engineers, Tamil Nadu Chapter.
- Mr.Hemadri Prasad Raju, Associate Professor (Civil Engineering), awarded Ph.D. by St. Peter's University.

PUBLICATIONS

The faculty and research scholars are encouraged to publish technical papers in journals and conferences. During the year 2015, totally 617 technical papers were published out of which 324 were published in journals.

Books

- "Fundamentals of Mobile Adhoc Network", Dr.R.Latha, Edwin Lawrence, Bonfring Intellectual Integrity publications, 2016.
- Booklet on Principles of Disaster Management, Scitech Publications, January 2016.

Journal

- International Journal of Management Research IJMR, ISSN2394-5842 – So far three issues have been published. Chief Editor: Dr.R.Gayatri, Professor and Head (MBA).

Newsletter/Magazine Published

- 1. Newsletter of Centre for Disaster Management, Issue 4, March 2016.
- 2. ELIXIR 2015 - Magazine of St. Peter's University.

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.**

PROGRAMME ORGANISED

The following Programmes were organized by the departments during the semester

- Workshop on “Research Methodology and Techniques”, Department of Computer Application ,Jan 19th & 20th,2016.
- Special Camp for National Service Scheme from FEB 13th to 19th,2016.
- National Conference on Recent Advances in Civil Engineering, March 18, 2016
- Workshop on “Hands – on Training in Android Mobile Application Development” ,March 11th & 12th,2016.
- SIVILGENIA 2K15 by Civil Engineering Department on 30-9-2015.
- PYORANCE2K15 by the Departments of Computer Science and Engineering, and Information Technology on 28-9-2015.
- XPONDERS’15 by the Departments of Electronics and Communication Engineering, and Electrical and Electronics Engineering on 1-10-2015.
- Hephaestus’2015 by the Departments of Mechanical, Aeronautical and Automobile Engineering on 29-9-2015.
- Campus cleaning as part of Swatch Bharath programme
- Awareness programme on Disaster Management for school students of Chennai, Kancheepuram and Tiruvallur
- Distribution of relief materials for about 200 flood affected people of Erikkarai habitants of Konambedu village On 22-1-2016.
- NSS camp at Konambedu village from 13th to 19th February 2016.
- Workshop on Applications of Multi-media: Industrial Perspective and Hands on Training on Photoshop and Video Editing, - CSE Department on February 3, 2016.
- Seminar on Career Growth and Enhancement, - Mechanical Engg, February 4, 2016.
- Seminar on Solar Photo Voltaic Panels and its Applications, EEE Dept, Guest: Mr. S.Vijaya Shankar, Partner, Celestial Group, Chennai, February 1, 2016.
- National Conference on Recent Advances in Mechanical Sciences – 2K16, Mechanical Engg, Mr. G.Sathiyaseelan, General Manager (Design-Head) , Ashok Leyland, Chennai, on March 31, 2016.
- 8th National Conference on Recent Trends & Technologies in Soft Computing, MCA department on 7th April 2016 .
- The MCA department conducted the following programmes as part of extension services.
 - ✓ Motivativation and Examination tips to 10th & 12th students of Vailankanni Matriculation Higher Secondary School.
 - ✓ TALLY & Ms-OFFICE for students of Chennai National Arts and Science College.

International Conference on Recent Advances in Applied Sciences (ICRAAS 2016), 11-13 February, 2016

The Science and Humanities Association and Indian Spectrophysics Association (ISPA) organised an international Conference on Recent Advances in Applied Sciences (ICRAAS 2016) during February 11-13, 2016. The inaugural function was presided by Dr. (Mrs.) T.Bhanumathy, Chancellor. The inaugural address was delivered by Dr.S.Ravichandran, Vice Chancellor. Dr.S. Mohan, Dean (R&D), Vel Tech University delivered keynote address. Veteran Scientist and Life Time Achievement awards were presented to eminent scientists. The conference was attended by 250 delegates including 9 foreign delegates. many experts from abroad and from various parts of India. The technical papers were presented both by oral and poster presentations.



3rd International Conference on Green Technologies for Power Generation and Communication ICGPC '16 , March 23-24, 2016

The third international conference on Green Technologies for Power Generation and Communication was organized by the Department of Electronics and Communication Engineering, and The Institution of Engineers (India) Tiruvallur Section during on 26th and 27th March 2016. Mr. S.Sathyaranarayanan, Station Director, Madras Atomic Power Station, Kalpakkam, delivered the inaugural address. Dr. P.Aravindan, Chairman, The Institution of Engineers (India) Tiruvallur Section was the Guest of Honour. Mr. Mu Yunbo, SCADA RTU Manager, and Mr. Mark Lee, SCADA Communications Manager, Dongfang Electronics Pvt. Ltd., China, Dongfang Electronics Pvt. Ltd., China, Dongfang Electronics Pvt. Ltd., China, delivered keynote lectures.



International Conference on Green Technologies for Power Generation and Communication ICGPC '16 , March 23-24, 2016

Seminar on Flood Management, February 3, 2016

The Centre for Disaster Management and the Civil Engineering Department conducted a seminar on flood management on 3rd February 2016. The seminar was inaugurated by Prof. Dr. K.R.Thooayan, Retired Chief Planner and Member, Chennai Metropolitan Development Authority, and Professor Design Chair, MEASI Academy of Architecture, Chennai. Mr. R.K.Mishra, Member Secretary, Crisis Management Group, Department of Atomic Energy, Mumbai, was the Guest of Honour. Three keynote and one contributed papers were presented. The seminar was attended by 37 participants from various technical institutions. The seminar was attended by 37 participants from various technical institutions. Certificates were distributed to all the participants during the valedictory function. The participants expressed that the seminar is a timely programme which will motivate academic institutions to work on issues related to flood management. The seminar was sponsored by International Institute of Project Management, Chennai, and KKM Soft Pvt. Ltd, Chennai.

National Conference on “Recent Advances in Civil Engineering”, held on 18.03.2016



CENTRE FOR DISASTER MANAGEMENT

The objectives of the centre are:

- To disseminate knowledge on various aspects of disaster management among the students, faculty and practising engineers;
- To organize special lectures, staff development programmes and seminars to facilitate exchange of knowledge and latest developments;
- To identify and introduce courses at undergraduate & post graduate levels in the specialized areas;
- To identify the research requirement and take up Ph.D. and research projects;
- To take up collaborative programmes with other institutions at national and international level.

During the year, a seminar on Flood Management was conducted by the Centre in association with Civil Engineering Department on 3rd February 2016. An awareness programme on disaster management was conducted during January 28-29, 2016 for school students of Chennai, Kancheepuram and Tiruvallur districts of Tamil Nadu. A booklet on "Principles of Disaster Management" was published. A newsletter was also published.





workshop on Research Methodology, January 19, 2016



workshop on Advances in Concrete Technology, January 20, 2016

Youth Red Cross Society

The following programmes were conducted during the year.

- Inauguration of Youth Red Cross Society (2015-2016) of St.Peter's University
- Conducted awarness programme on *Being Fit* on World Health Day on 08 April 2016
- Conducted awarness programme on Disaster Management on 28&29th Jan 2016.
- Organized An Awareness Program on Planting of Saplings and Cleaning the Campus on July 31 2015.

St. PETER'S SCHOOL OF ARCHITECTURE

St. Peter's Scool of Architecture conducted symposium STOCHASTIC on 16th March 2016 in association with St. Peter's College of Engineering and Technology. Renowned Ar. M.Hariharan was the Chief Guest and delivered lecture on Architectural approach in contemporary times. Ar. Innisai Rajasabai, Principal Consultant, Studio INN, Ar. Rizwan, Housing Man, Bengaluru, and Ms. Varsha Narayanan, Artist, were the resource persons. Spot events were also conducted for the students.

ENTREPRENEURSHIP DEVELOPMENT

Realising the importance of imparting entrepreneurship skills among students, the University has started three main facilities for entrepreneurship development. They are :

- Entrepreneurship Development Cell
- Technology Business Incubator (sponsored by the Department of Science and Technology)
- SPIHER – MSME Business Incubator (sponsored by the Ministry of Micro, Small and Medium Enterprises)



Management Meet 10.2.2016 Chief Guest
Mr.Rangaraj Pandey, Editor in Chief, Thanthi TV



ED Cell activity 2016

SPEC - TECHNOLOGY BUSINESS INCUBATOR

Technology Business Incubator (TBI) has been set up in the University, to train and facilitate young graduates to become entrepreneurs in commercial ventures including refrigeration and cold chain. The facility has been sponsored by the Department of Science and technology (DST) with a grant of Rs.2.20 crores out of the total project cost of Rs.4.40 crores. The Incubator is headed by Chief Executive Officer and Project Manager. A Board of Governors has been constituted to guide the functioning of the Incubator. Entrepreneurship programmes are conducted for the benefit of students and faculty.

SPIHER —MSME BUSINESS INCUBATOR

The SPIHER – MSME Business Incubator is sponsored by the Ministry of Micro, Small and Medium Enterprises, Government of India. The objective of the scheme is to promote emerging

technological and knowledge-based innovative ventures that seek the nurturing of ideas from professionals in a supportive environment. Suitable grant is provided by the Ministry for potential projects for technology development and commercialization. The following ten projects have been taken up with grant by the Ministry for technology development and commercialization through SPIHER – MSME Business Incubator.

Projects sanctioned under MSME Scheme

Project No.	Details	Grant sanctioned (Rs. In lakhs)
9/1	Solar powered PV module to micro grids Incubatee: Mr. M.Sashitharen, Shreraam Instruments Mentor: Prof.G.Raju and Prof.R.Jayaraman	6.25
9/2	Integrated starter generator for automobile using induction machine Incubatee: Mr.K.Sivakumar, Premier Carbon Industries Mentor: Prof.G.Raju and Prof.R.Jayaraman	6.15
9/3	Solar-powered vehicle for in-campus transportation Incubatee: Mr.U.S.Manivannan, GVA Technocraft Pvt. Ltd. Mentor: Prof.V.Thiagarajan	6.00
9/5	Concrete blocks using 100% fly ash and no cement Incubatee: Mr.Maragathamani, Proprietor, Flashbricks Mentor: Dr.D.S.Ramachandra Murthy and Prof.Dr.Partheeban	6.25
9/10	Fuel Activator Incubatee: Mr. Prem Sekar Bakiaraj, Chennai 600108 Mentor: Prof.Dr.K.Purushothaman	5.00
N1	Low cost LED night lamp with variation in brightness control applicable for room dimension and consumer's choice Incubatee: Mr.K.Prtithvi Mentor: Prof.R.Jayaraman, Head (EEE)	3.00
N2	Novel and affordable emergency notification system for elderly protection: S-Waistband Incubatee/Mentor: Dr.G.P.Ramesh, Head (ECE)	6.15
N3	Prototype development of Gluco L Incubatee/Mentor: Dr.K.Kanthalraj, Dean (Biomedical Engg.)	4.70
N4	Device for hand gesture to voice translation dumb assist device - Incubatee: M.Vinoth Mentor: Ms.Subha Ramya Lect. Bio-Medical Engg	2.35
N5	Device for active assist Rehaliablitation of elbow and wrist joint Incubatee: M.Vinoth Mentor: Ms.Subha Ramya Lect. Bio-Medical Engg	2.30
	Infrastruture fund for the above 10 projects.	3.402
	Total	51.552

Guest Lectures:

Guest lectures, industrial visits and in-plant training are arranged to give practical knowledge and industrial exposure to the students. The academic performance of the students is periodically monitored and students are counseled by a counselor for each class, and also by Head of the Department, and Director (Academic).

Periodical training is given to faculty in teaching – learning process through special lectures arranged through the Centre for Staff Development. The faculty are encouraged to participate in seminars, faculty development programs and workshops and present technical papers. The performance of the faculty is assessed at the end of every academic year through self-appraisal system. Internal Quality Assurance Cell helps in reviewing and suggesting improvement.

Alumni Meet

Alumni Meet was conducted on **1st February 2015** at the University campus. Graduates belonging to 2014 batch attended the meet which was presided over by Dr.S.Ravichandran, Vice chancellor. He requested the alumni to keep in touch with their University and wished them happy and prosperous life with rewarding career growth. Dr.L.Mahesh Kumar, Director (Academic) addressed the alumni.



Republic Day was celebrated on 26th January 2016. Dr.S.Ravichandran, 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.

Convocation:

The Sixth Convocation of St. Peter's University was conducted on 17th October 2015 at the University auditorium. Dr. S.Manian, Vice chancellor, Annamalai University, delivered the convocation address. He exhorted the young generation to rise to the challenge of time. Quoting lines from Emerson and Dr. A.P.J.Abdul Kalam, he said that excellence should be the watchword and the youth should strive to achieve it in all fields. In all, 833 graduates received degree including 12 Ph.Ds. 26 Gold Medals and certificates were distributed to rank holders. Dr.S.Ravichandran, Vice Chancellor, St. Peter's University, welcomed the gathering and highlighted the achievements of the University. Dr.T.Bhanumathi, Chancellor, St. Peter's University, presided over the function.

Annual & Sports Day:

St. Peter's University, Avadi, Chennai celebrated its 8th Annual and Sports Day on 25th February 2016 in the University campus. The Chief Guest for the function was Mr. K. Rajagopalan, Director Construction, Bhavini, Kalpakkam. In his presidential speech, he highlighted the role of teachers in the shaping of the young minds. He exhorted the students to inculcate a passion for knowledge and to develop communication skill which is key to achieving success in life. Dwelling briefly on the growth of atomic research in India post Independence era, he mentioned that it had acquired the status of prime source of energy today. Dr. L. Mahesh Kumar, Director Academic, welcomed the gathering. The Annual Report of the University was presented by Dr. S. Ravichandran, Vice Chancellor. He listed the various achievements of the University in the past one year including accreditation by the NAAC Inspection Committee in November 2015. Mr. Palanivel Rajan, Physical Director, mentioned about the various sports activities held in the campus. Both the academic and sports prize winners were felicitated with awards and prizes during the event. The function was followed by a glittering array of spectacular cultural events.

NATIONAL SERVICE SCHEME

The NSS Unit conducted several programmes during the academic year.

- Campus cleaning as part of Swatch Bharath programme
- Awareness programme on Disaster Management for school students of Chennai, Kancheepuram and Tiruvallur.
- Distribution of relief materials for about 200 flood affected people of Erikkarai habitants of Konambedu village On 22-1-2016.
- NSS camp at Konambedu village from 13th to 19th February 2016.
- Cardio Pulmonary Resuscitation (CPR) training for students at Saveetha edical College on 7-4-2016.

NSS Camp

NSS camp was organized for one week at Konambedu village, Narayanapuram, from 13th to 19th February 2016. About 50 NSS volunteer students participated in the camp. The camp was inaugurated by Dr.S.Ravichandran, Vice chancellor, on 13th February 2016. Mr. R.V.Krishnamurthy MC, Councillor, Konambedu village, and Mrs. J.Natchathira, Headmistress, Municipal High School, Konambedu village, addressed the participants of the camp. The participants stayed in the Government school at Konambedu village. The following activities were conducted during the camp.

- Survey of Konambedu village and identifying people's problems
- Concept development for inspiring innovation to bind social and society by Dr.S.Gunasekaran, Dean (R&D)
- Swatch Bharath and tree planting
- Road safety – Mr. Devakumar M.A., RTO, Vyasarpadi
- Sports for school students – Mr. Palanivel Rajan, Physical Director
- Eye camp for villagers - Dr. M.Sankaran, Vasan Eye Care & Hospital, Anna Nagar
- Electrical safety and saving – Mr. Senthilvelan, Technical staff, EEE Department
- Book binding work - Mr. Rajendran, Binder
- Yoga practice – Mr. R.Boopathy, Yoga Master, Porur.

The valedictory function was conducted on 19th February 2016 in which the prizes to school students for various competitions and certificates to participants of the camp. The support given by the school Principal and the Counsellor for the successful conduct of the camp was greatly appreciated.

Distribution of Flood Relief Materials for villagers in Annanur Erikkarai, Avadi

Flood relief materials (bedsheets, towels, rice, oil and pulses) were distributed by St. Peter's University to about 100 families living in Annanur Erikkarai in Avadi on 22-1-2016. The people are living just adjacent to the lake bund and flood water entered in to their houses. The NSS unit of the University arranged the distribution.



Distribution flood relief materials by NSS Unit



Inauguration of NSS camp



NSS volunteers



CPR) training for students

Women's Day

International Women's Day was celebrated in a grand manner on 8th March 2016. Our Chancellor, Dr.T.Banumathi presided over the function. Kalaimamani Mrs. Revathi Sankaran, and Mr. S.Mohanasundaram, Debate speaker, were the Guest spekaers. Dr. S.Ravichandran, Vice chancellor, St.Peter's University, and Dr.S.Selvan, Principal, St.Peter's College of Engineering and Technology, offered felicitations on the occasion. The function concluded with an impressive cultural program. Prizes were distributed for various events conducted for girl students.

Science Day

National Science Day was celebrated on 22nd March 2016. Dr. B.Venkatraman, Head, Radiological Society Division, IGCAR, Kalpakkam, was the Chief Guest. A workshop on Atoms for peace and radiation technology for scocietal development was also conducted. Dr. K.Sivasubraanian, Mrs. M.Menaka, Mr. S.Chandrasekaran and Mr. S.Viswanathan, Scientists of IGCAR, delivered key note lectures. Certificates were distributed to prize winners and participants of various events conducted as part of the science day celebrations for the students.