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## **EVALUATIVE REPORT OF THE DEPARTMENT**



# **Department of Information Technology**



1. **Name of the Department: INFORMATION TECHNOLOGY**

2. **Year of establishment:** Department of Information Technology was established in 1998 in St.Peter's Engineering College which was declared as Deemed to be University in 2008.

3. **Is the department part of a School/ Faculty of the university:**

Department of the University

4. **Names of the Programmes offered ( UG, PG, Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt etc.)**

- B.Tech – IT ( 4 Years / 8 Semesters )
- M.Tech – IT ( 2 Years / 4 Semesters )
- Ph.D. - IT

5. **Interdisciplinary programmes and departments involved:**

S.No	Interdisciplinary courses	Year / Sem	Departments
<b>Under Graduate B.Tech (IT)</b>			
1	113EHT01 - Technical English-I	I/I	English
2	113MAT02 - Mathematics-I	I/I	Maths
3	113PHT03 - Engineering Physics-I	I/I	Physics
4	113CYT04- Engineering Chemistry-I	I/I	Chemistry
5	113EGT05- Engineering Graphics-I	I/I	Mechanical
6	113ELP02- Engineering Practices Laboratory-I	I/I	Mechanical
7	113PCP03- Physics and Chemistry Laboratory – I	I/I	Physics, Chemistry
8	213EHT01- Technical English-II	I/II	English
9	213MAT02- Mathematics-II	I/II	Maths
10	213PHT03- Engineering Physics-II	I/II	Physics
11	213CYT04- Engineering Chemistry-II	I/II	Chemistry
12	213DPT05- Digital Principles and System Design	I/II	ECE

13	213PCP01- Physics and Chemistry Laboratory – II	I/II	Physics, Chemistry
14	312ITP01-Digital Laboratory	I/II	ECE
15	312ITT01- Transformation and Partial Differential Equations	II/III	Maths
16	313ITT03- Digital Principles and Systems Design	II/III	ECE
17	313ITT05- Principles of Communication	II/III	ECE
18	313ITT06- Environmental Science & Engineering	II/III	Chemical Engg.
19	512ITP01-Digital Laboratory	II/III	ECE
20	413ITT01- Probability and Queuing Theory	II/IV	Maths
21	413ITT03- Microprocessor & Microcontrollers	II/IV	ECE
22	412ITP03- Microprocessor Laboratory	II/IV	ECE
23	413ITP03- Microprocessor & Micro controller Laboratory	II/IV	ECE
24	513ITT02- Engineering Economics and Financial Accounting	III/V	MBA
25	513ITT05 - Information Theory and Coding	III/V	ECE
26	513ITP02 - Communication & Soft skills Laboratory	III/V	English
27	613ITT05 - Embedded Systems	III/VI	ECE
<b>PG Programme M.Tech (IT)</b>			
28	113ITPT01-Applied Probability and Statistics	I/I	Maths

**6. Courses in collaboration with other universities, industries, foreign institutions, etc.**

Nil

**7. Details of programmes discontinued, if any, with reasons:**

Nil

**8. Examination system: Annual/Semester/Trimester/Choice Based credit system.**

Semester system and Choice Based Credit System (CBCS)

**9. Participation of the department in the courses offered by other departments**

S. No.	Interdisciplinary courses	Year/Sem	Department
<b>Under Graduate B.Tech (IT)</b>			
1	313ECT03- Data Structures and Object oriented programmings	II/III	ECE
2	313BMT05- Data Structures and Object Oriented Programmings	II/III	Bio – Medical
	712BMT10- Computer Networks	IV/VII	
3	413EET03-Object Oriented Programming	II/IV	EEE
4	413EIT02- Object Oriented Programming	II/IV	EIE

**10. Number of teaching posts sanctioned, filled and actual ( Professors / Associate Professors / Asst. Professors / Others )**

	Sanctioned	Filled	Actual (including CAS &MPS)
Professors	1+1	2	2
Associate Professors	1	1	1
Asst. Professors	5+2+1	8	8

**11. Faculty profile with name, qualification, designation, specialization, experience and research under guidance**

S. No	Name of the faculty	Qualification	Designation	Specialization	No. of years of Experience	No. of PhD Students under Guidance
1	Dr. P.Vijay Karthik	B.E, M.E, Ph.D	Prof.& HoD	CSE	10 Yrs	8
2	Dr. E. Gajendran	B.Tech, M.E, Ph.D	Prof.	CSE	6 Yrs	-
3	K.Balamurugan	B.E, M.E	Assoc. Prof.	CSE	22 Yrs	-

4	Ms.M.Malathi	M.Sc, M.E	Asst. Prof.	CSE	11 Yrs	-
5	Ms.B.Bridget	B.Tech, M.E	Asst. Prof.	CSE	6 Yrs	-
6	Ms.G.Sravanthi	B.Tech M.Tech	Asst. Prof.	CSE	1 Yr	-
7	Ms. Manju	B.E M.E	Asst. Prof.	CSE	2 Yrs 9 Mon	-
8	Ms.K.Vidhya	B.Tech M.E	AP	CSE	6 Yrs	-
9	Mr.Arul Prem	B.Tech M.E	Asst. Prof.	CSE	6 Yrs	-
10	Mr.Simion	B.E, M.Tech	AP	IT	-	-
11	Mr.Mahendran	B.Tech M.Tech	Asst. Prof.	IT	-	-

**12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:**

Nil

**13. Percentage of classes taken by temporary faculty-programme –wise information :**

Nil

**14. Programme-wise Student Teacher Ratio :**

S.No	Program	Sanctioned strength	Student Teacher ratio
1	B.Tech – IT	90 (30*3)	15: 1
2	M.Tech – IT	48 (24*2 )	12 : 1

**15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual**

Position	Sanctioned	Filled	Actual (incl. CAS &MPS)
Support Staff (Technical)	1	1	1
Administrative Staff	1	1	1

**16. Research thrust areas as recognized by major funding agencies.**

- Mobile Computing
- Data Mining
- Big Data
- Social Networking

**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.**

- a) National Funding Agencies: Nil
- b) International Funding Agencies : Nil
- c) Total Grants Received : Nil

**18. Inter-institutional collaborative projects and associated grants received**

- a) National Collaboration - Nil
- b) International Collaboration - Nil

**19. Departmental projects funded by DST-FIST; DBT, ICSSR, AICTE etc; total grants received. :**

Nil

**20. Research facility/centre with**

- State recognition - Nil
- National recognition - Nil
- International recognition - Nil
- Others

S.No	Proprietary Softwares available
1	Windows 2003 Server
2	Windows XP Professional
3	Microsoft Office 2007
4	Adobe Photoshop 7.0
5	Oracle 10g
6	Visual Basic 6.0
7	SQL2000
8	Rational Rose

S. No	Equipment/Hardware Kits available
1	HP Xeon G6 Server for Windows-2008
2	HP Xeon G6 Server for Linux
3	HP 2480 P5 Nodes
4	Juniper M10i Router
5	1 Gbps Leased Line
6	Printers, LCD Projector and Overhead Projector

**21. Special research laboratories sponsored by / created by industry or corporate bodies. :**

Nil

**22. Publications**

**a) No. of paper published in peer reviewed journals (National/International)**

Year	International Journal	National Journal	International Conference	National Conference	Total
2015	7	-	3	1	11
2014	5	-	2	12	19
2013	-	-	-	14	14
2012	-	-	1	12	13
2011	-	1	1	5	7
2010	-	-	-	4	4
<b>Total</b>	<b>12</b>	<b>1</b>	<b>7</b>	<b>48</b>	<b>68</b>

**PUBLICATIONS IN INTERNATIONAL JOURNALS**

2015	
1	<b>S.Kavin Hari Hara Sudhan &amp; Dr.S.Saravana Kumar</b> , “ An Efficient and secure dynamic multidimensional cloud confidence “, International Journal of Applied Engineering Research”, ISSN 0973-4562, Volume10, No5, pp 12113-12119, January 2015 <b>SJR:0.13</b>
2	<b>Sukumar.M and Selva Meenambihai</b> , ”Discriminating Lineaments form the Aster image by analyzing the object properties” International Journal of Advanced Technology in Engineering and Science, Volume 03, Issue 01, March 2015. <b>Impact factor: 1.012</b>

3	<b>P.Subhashini , Dr.G.Gunasekaran</b> , “An Efficient Algorithm for Finding the Support Count of Frequent 1-Itemsets in Frequent Pattern Mining“ International Journal of Innovative Research in Computer and Communication Engineering (An ISO 3297: 2007 Certified Organization) Vol. 3, Issue 8, August 2015
4	<b>P.Subhashini , Dr.G.Gunasekaran</b> , “Constrained frequent itemset mining in Big Data“ International Journal of Applied Engineering Research ISSN 0973-4562 Volume 10, Number 17 (2015) <b>Impact factor: 3.2</b>
5	<b>S.Kavinhariharasudhan, Dr.S.Saravanakumar</b> “Enactment of completely safe Biometric verification Using Kerberos procedure” International Journal of Applied Engineering Research(IJAER) ISSN 0973-4562, Volume 10, Number 17, April 2015, <b>Impact factor:3.233</b>
6	<b>N. Arul Natarajan, Dr.S.Saravana Kumar, Dr. A. Rengarajan</b> , “Enhanced Triangular and Graphical Model for Reducing Complexity and Securing Sensitive Databases” International Journal of Applied Engineering Research(IJAER) ISSN 0973-4562, Volume 10, Number 17, April 2015, <b>Impact factor:3.233</b>
7	<b>C.MurugaMani, Dr. S. Saravanakumar</b> , “Visualization System for Surgery Using Image Processing” International Journal of Applied Engineering Research(IJAER) ISSN 0973-4562, Volume 10, Number 17, April 2015, <b>Impact factor:3.233</b>
<b>2014</b>	
8	<b>P.Subhashini, Dr.G.Gunasekaran</b> , “Literature Survey on Constrained Frequent Pattern Mining “International Journal of Advanced Research in Computer Science Engineering and Information Technology” Volume: 3 Issue: 1 26-Jun-2014,ISSN_NO: 2321-3337 <b>Impact factor: 1.5</b>
9	<b>S.Kavin Hari Hara Sudhan &amp; Dr.S.Saravana Kumar</b> “ A Review on Approaches to Shield against DDoS attack in Cloud Computing “ International Journal of Emerging Technology and Research, Volume I , Issue 4, June 2014 <b>Impact factor: 1.492</b>
10	<b>S.Kavin Hari Hara Sudhan &amp; Dr.S.Saravana Kumar</b> “ A Panoptic Survey on Cloud Computing “ International Journal of Research in Engineering Technology, Volume 2, Issue 3, May 2014 <b>Impact factor: 1.9586</b>
11	<b>M.Sukumar &amp; Nelson Kennedy Babu.C</b> “, A Review of Various Lineament detection techniques for high resolution satellite images”, International Journal of Advanced Research in Computer Science and Software Engineering, Volume 4, issue 3, March 2014. ISSN 2277-128X <b>Impact factor: 2.5</b>
12	<b>M.Sukumar Nikhil.K Selva Ganesh.K</b> “, Evaluating various filtering techniques on fingerprints matching using minutiae mapping score”, International Journal of Emerging technology & research Volume 1, issue 4, May –Jun 2014 ISSN(E) 2347-5900 ISSN(P) 2347-6079 2277-128X

### PUBLICATIONS IN NATIONAL JOURNALS

2011	
13	<b>K.Balamurugan</b> , “Identifying network load balancing requirements on historical traffic flow using machine learning approach for flexible multipath networks “ <b>Indian Journal of Computer Science and Engineering</b> , Volume-1, 92-97, June 2011.

### PUBLICATIONS IN INTERNATIONAL CONFERENCES

2015	
14	<b>M.Malathi</b> “Implementation of key –aggregate crypto with steganography for secured data secured data sharing in cloud computing ”, <b>International conference on Big data and cloud computing</b> , during 26-27, March 2015.
15	<b>K.Balamurugan</b> “Assuring secured & dependable cloud storage services with erasure code technique”, <b>International conference on Big data and cloud computing</b> , during 26-27, March 2015.
16	<b>K.Balamurugan</b> “Search engine optimization by adopting enhanced information retrieval techniques”, <b>International conference on Big data and cloud computing</b> , during 26-27, March 2015.
2014	
17	<b>S.Kavin Hari Hara Sudhan &amp; Dr.S.Saravana Kumar</b> , “Concocting Data Security in Cloud Computing Environment” International Conference on Computational Linguistics & Integrated Classical Knowledge Rediscovered” held on 12 -13 February 2014.
18	<b>M.Durai Ganesh and G.Gunasekaran</b> , “APR Protocol for Mobile”, International Conference on “Advanced Computing, Control Systems, Machines and Embedded Technology, (ICACT 2014), 7 <sup>th</sup> & 8 <sup>th</sup> March, 2014, pp.
2012	
19	<b>D.Srinath and J.Janet</b> , “Combined selfish Defense methods to prevent spoofing attacks” in International Conference on Computing Communication and Information Technology, India, 2012
2011	
20	<b>Vinoth, J.Janet and R.Chitra</b> , “A Hybrid Approach for Semantic Web Document Retrieval”, International Conference on Smart Technologies for Materials, Communication, Controls, Computing and Energy, Veltech. Dr.RR & Dr.SR Technical University, 5-7 January 2011, pp. 59-63.

**PUBLICATIONS IN NATIONAL CONFERENCES**

<b>2015</b>	
21	<b>S.Kavin Hari Hara Sudhan &amp; Dr.S.Saravana Kumar</b> , “ NF Authentication in Cloud Environment for better Data Security “ National Conference on Information and Communication Technology “ held on 7 <sup>th</sup> February 2015
<b>2014</b>	
22	<b>S.Kavin Hari Hara Sudhan &amp; Dr.S.Saravana Kumar</b> , “ Speed Control of PMSM using Dynamic Response Analysis” Proceedings of NCIEEE ‘ 14, ISBN 978-81-924031-5-1 held on 6-7 February 2014.
23	<b>Md. M. Nasiha and K.Balamurugan</b> , “Anonymous authentication for securing cloud data using decentralised access control scheme”, Proceedings of the National Conference on “Recent Trends in Computing and Communication Technologies”, during 13-14 March 2014.
24	<b>W. Carolyne and K.Balamurugan</b> . “Ontological Based Data Integration using flexible querying system”, Proceedings of the National Conference on “Recent Trends in Computing and Communication Technologies”, during 13-14 March 2014.
25	<b>Mahendran.K and K.Balamurugan</b> “Dynamic Key Management in Sensor Network without Rekeying”, Proceedings of the National Conference on “Recent Trends in Computing and Communication Technologies”, during 13-14 March 2014.
26	<b>Simieon.B and K.Balamurugan</b> , “Green Computing based optimized resource utilization Cloud Computing environment”, Proceedings of the National Conference on “Recent Trends in Computing and Communication Technologies”, during 13-14 March 2014.
27	<b>Tamilmani.A and K.Balamurugan</b> , “Multi Cloud Implementation with SAA And IAAS for secured data communication”, Proceedings of the National Conference on “ Recent Trends in Computing and Communication Technologies”, during 13-14 March 2014.
28	<b>Anitha.G and M.Malathi</b> , “Dispensation location dependent queries in portable environments, “Proceedings of the National Conference on “Recent Trends in Computing and Communication Technologies”, during 13-14 March 2014.
29	<b>Karthika and M.Malathi</b> , “Attribute based encryption for secure sharing of personal health record in Cloud Computing”, Proceedings of the National Conference on “Recent Trends in Computing and Communication Technologies”, during 13-14 March 2014.
30	<b>Anitha.A and Wisely Joe</b> , “XML with cluster based speedy and effective feature extraction for efficient search engine,” Proceedings of the National Conference on “Recent Trends in Computing and Communication Technologies”, during 13-14 March 2014.

31	<b>Dhivya.V and Wisely Joe</b> , “Identification of misbehaviour and packet loss activities in MANETS”, Proceedings of the National Conference on “Recent Trends in Computing and Communication Technologies”, during 13-14 March 2014.
32	<b>Rajeswari.S. and Wisely Joe</b> , “Secure transaction in wireless network using secret key extraction”, Proceedings of the National Conference on “Recent Trends in Computing and Communication Technologies”, during 13-14 March 2014.
33	<b>S.Kavin Hari Hara Sudhan &amp; Dr.S.Saravana Kumar</b> , “A Novel method to increase data integrity in Multi Cloud Environment”, National Conference on Current Trends in Manufacturing, Electrical, Electronics and Computing held on 28 February 2014.
<b>2013</b>	
34	T.Ramya and <b>K.Balamurugan</b> , “A Novel Bayesian approach against phishing attacks based on textual and Visual Content”, Proceedings of the National Conference on Advanced Computing Architecture at Sri Venkateshwara College of Engineering and Technology on 11 <sup>th</sup> & 12 <sup>th</sup> March 2013.
35	M.G.Dhinesh and <b>K.Balamurugan</b> , “An Efficient intrusion detection technique for multi tier web Web Applications”, Proceedings of the National Conference on Advanced Computing Architecture at Sri Venkateshwara College of Engineering and Technology on 11 <sup>th</sup> & 12 <sup>th</sup> March 2013.
36	K.Adhithyan and <b>K.Balamurugan</b> , “Privacy Conscious Location Based Queries in Mobile Environments”, Proceedings of the National Conference on Advanced Computing Technologies and Applications at Sri MuthuKumaran Institute of Technology on 8 <sup>th</sup> March 2013.
37	D.Rajesh Rajan and <b>Tharani Vimal</b> , “Mobile Robot for Collecting Data in Wireless Sensor Networks”, National Conference, Sri Venkateswara College of Engineering and Technology, April 2 <sup>nd</sup> 2013
38	A.Shamim Nihar and <b>Tharani Vimal</b> , “Improved QOS Attentive Routing Protocol for IEEE 802.11 based MANET”, Proceedings of National Conference conducted by Jai Mathajee College of Engineering ,Kancheepuram on 1 <sup>st</sup> and 2 <sup>nd</sup> March 2013
39	J.Lakshmi Kanth and <b>Tharani Vimal</b> , “A Periodic Adaptive Flow - Control Mechanism based on Transfer Efficiency for Majestic Data Transfer”, Proceedings on the National Conference in SPARC@ J 13', Jai Mathaajee College of Engineering on 1 <sup>st</sup> & 2 <sup>nd</sup> March 2013.
40	P.B.Manjari and <b>Adelin Kiruba</b> , “Distributed Detection of clone attack for safety transaction in WSN” Proceedings of National Conference on Advanced Computer Architecture at Sri Venkateshwara College of Engineering and Technology on 11 <sup>th</sup> March 2013
41	S.Kalpana and <b>Adelin Kiruba</b> , “Implementation of Visual Cryptography for Bio-metric Image with Hashing and Stegnography

	for Secured Authentication”, Proceedings of the National Conference on Advanced Computing Technologies and Applications at Sri MuthuKumaran Institute of Technology on 8 <sup>th</sup> March 2013.
42	G.Sathiyaraj and <b>M.Malathi</b> , “Survey of Network Based Defense Mechanisms Countering the DOS and DDOS”, Proceedings of the National Conference on Emerging Trends in Computing Science, Kuppam Engineering College on 7 <sup>th</sup> March 2013.
43	A.Shalini, K.N.Dharanithar and <b>M.Malathi</b> , “File Sharing in Unstructured peer to peer network using sampling technique” Proceedings of National Conference conducted by Kuppam Engineering College on 7 <sup>th</sup> March 2013
44	B.Subhasri and <b>G.Sulthana Begam</b> , “Dynamic Channel Allocation For Wireless Mobile Communication Network”, Proceedings of the National Conference on Advances in Computing Technology on 6 <sup>th</sup> March 2013.
45	N.Pavithra and <b>G.Sulthana Begam</b> , “A Mutually verifiable Billing System for the Cloud Computing Environment”, Proceedings of the National Conference on Advanced Computing Technologies and Applications, Sri MuthuKumaran Institute of Technology on 8 <sup>th</sup> March 2013.
46	B.Jagadeesshbaran and <b>J.Wisely Joe</b> , “Distributed, Parallel Video Content Delivery with Data Compression using MultiHomed Networks”, Proceedings of the National Conference on Advanced Computing Technologies and Applications, Sri MuthuKumaran Institute of Technology on 8 <sup>th</sup> March 2013.
47	Beula Sumangali and <b>J.Wisely Joe</b> , “Knowledge based on-line Record Matching over Query results from multiple web databases”, National Conference, Kuppam Engineering College on 7 <sup>th</sup> March 2013
<b>2012</b>	
48	N.Sowriraja Pillai and <b>K.Balamurugan</b> “Ranking of Spatial Data using Quality Preference”, National Conference on Emerging trends in Computer Applications, Veera Saamy Chettiar College of Engineering and Technology on 27 <sup>th</sup> February 2012
49	M.Mehaboob Subhahani and <b>K.Balamurugan</b> , “Protecting the decentralized P2P network from dynamic malware attack by developing compartment model”, National Conference on Grid and Cloud Computing, PB College of Engineering on 28 <sup>th</sup> February 2012
50	M.Sindhu and <b>K.Balamurugan</b> , “Collective Receiver Initiated Multicasting”, National Conference on Cloud Computing and Network Security, RMK Engineering College on 9 <sup>th</sup> March 2012
51	S.K.Vignesh and <b>K.Balamurugan</b> , “Analysing the Resilience Complexity trade off network coding using tracking server distribution”, National Conference on Emerging trends in Computer Applications, Veera Saamy Chettiar College of Engineering and Technology on 27 <sup>th</sup> February 2012

52	Sophia Rajkumar and <b>Tharani Vimal</b> , “Retrieval of Relevant Information from Biomedical Records through Classification”, National Conference on Webtops'12, Jaya Engineering College on 30 <sup>th</sup> March 2012
53	T.Deepthi and <b>Tharani Vimal</b> , “Routing Performance Analysis in Delay Tolerant Networks”, Proceedings of the National Conference on Computing Technology, Roever Engineering College on 9 <sup>th</sup> March 2012.
54	K.Karthikayani and Adelin <b>Kiruba</b> , “Enhancing Search Performance in Unstructured P2P Networks based on Users Common Interest”, Proceedings of the National Conference on Corporate Governance, Bharath University on 9 <sup>th</sup> March 2012.
55	R.Brindha and <b>M.Malathi</b> , “Optimized Searching of Homogeneous Web Service”, Proceedings of the National Conference on Computing Technology, Roever Engineering College on 9 <sup>th</sup> March 2012.
56	B.Mathanraj Kumar and <b>G.Sulthana Begam</b> , “Secure and Dependable Storageservices in Cloud Computing”, Proceedings of the National Conference on Transpiring Trends in Information Technology, Sakthi Engineering College on 22 <sup>nd</sup> March 2012.
57	S.Hakeem and <b>G.Sulthana Begam</b> , “A Distributed Algorithm for the Replica Placement Problem” Proc .of National conference on Web technologies and Open Source on 30 <sup>th</sup> March 2012
58	B.S.Liya and <b>G.Sulthana Begam</b> , “Ensuring Secure storage in Cloud Computing”, Proceedings of NCTTIT at SEC on 22 <sup>nd</sup> March 2012
59	K.Jagadeesh and <b>J.Wisely Joe</b> , “Data Integrity and security system using encryption in cloud computing process" Proceedings of National Conference, Bharath University on 9 <sup>th</sup> March 2012
<b>2011</b>	
60	T.Deepa and <b>K.Balamurugan</b> , “Trusted Tree Signature Authentication for multicasting”, Proceedings of National Conference on Emerging trends in bio telematics and medical imaging, Sriram Engineering College on 24 <sup>th</sup> and 25 <sup>th</sup> February 2011
61	R.Sivakumar and <b>K.Balamurugan</b> , “Data Transfer using Randomized MultiPath Routing”, Proceedings of the National Conference on Emerging Trends in Computer Applications and Grid Computing, Adhiyamaan College of Engineering on 11 <sup>th</sup> & 12 <sup>th</sup> February 2011.
62	<b>Ms.Sulthana Begam</b> , “Web-Referral Architectures For privileged service to Mitigate Denial-of-Service Threats”, Proceedings of the National Conference on Web Technology and Open Source at Jaya Engineering College on 17 <sup>th</sup> March 2011.
63	J.Adam Kani and <b>G.Sulthana Begam</b> , “B2B-Business System of Bookshop based on Web Service”, Proceedings of the National

	Conference on Emerging Trends in Computing Sciences and Information Technology on 11 <sup>th</sup> March 2011.
64	G.Venkada Prasad and <b>J.Wisely Joe</b> , “Automatic Ontology Matching via Upper Ontologies: A Systematic Evaluation”, Proceedings of the National Conference on Emerging Trends in Bio-Telematics and Medical Imaging, SriRam Engineering College on 24 <sup>th</sup> & 25 <sup>th</sup> February 2011.
<b>2010</b>	
65	<b>C.Valliammal, K.Esaivani</b> and <b>B.Bridget</b> “Analysis of Abnormality in Endoscopic Images using combined HIS color space and watershed segmenatation”, National Conference on Advanced Networking Technologies, St.Peter's University, on 18 <sup>th</sup> March 2010
66	<b>J.Wisely Joe</b> , “Data Mining to generate Quality data in Manufacturing”, National Conference on Advanced Networking Technologies, St. Peter's University on 18 <sup>th</sup> March 2010
67	<b>Sulthana Begam</b> , “Agent Based Firewalls Policy Anomalies Detection System”, National Conference on WEBTops'10, Jaya Engineering College on 27 <sup>th</sup> March 2010
68	<b>J.Wisely Joe</b> , “Data Mining Applications to Industrial Manufacturing Scheduling”, National Conference on Recent Advances in Computer Vision and Information Technology, at Government College of Technology, Coimbatore, on 3 <sup>rd</sup> July 2010

**b) Monographs – Nil**

**c) Chapters in Books -Nil**

**d) Edited Books / Proceedings – 6**

S. No.	Proceedings
1.	Proceedings of International Conference on Big Data and Cloud Computing (ICBDCC'15). <b>ISBN 978-938-183095-6</b>
2.	Proceedings of National Conference on Recent Trends in Computing and Communications Technologies.(NCRTCCT'14)
3.	Proceedings of 2 <sup>nd</sup> National Conference on Information Processing, Security and Communications (NCIPSC'13)
4.	Proceedings of National Level Conference on “Advanced Networking Technologies” during 18 March 2010
5.	Souvenir on National Level Technical Symposium Reckon'14
6.	Souvenir on National Level Technical Symposium Reckon'13

- e) **Books with ISBN with details of Publishers – Nil**
- f) **Number listed in International Database(for e.g. web of science, scopus, Humanities International complete, Dare Database –International Social sciences Directory, EBSCO host, etc) – 5**
- g) **Citation Index - range/ average – : Nil**
- h) **SNIP - : Nil**
- i) **SJR - : 0.13**
- j) **Impact factor - Range /average : 1.012 – 5.618 /2.703**
- k) **H-index- Nil**
- l) **Total Impact factor – 27.033**

**23. etails of patents and income generated-**

Nil

**24. Areas of consultancy and income generated :**

Nil

**25. Faculty selected nationally/internationally to visit other laboratories / institutions / industries in India and abroad :**

Nil

**26. Faculty Serving in a) National Committees b) International Committees c) Editorial Boards d) any Other ( please specify )**

**a) Faculty serving in National Committees**

S.No	Name of the faculty	Details
1	Prof.K.Balamurugan, HOD-IT	<ul style="list-style-type: none"> <li>• K.Balamurugan, Reviewer for papers in “National Conference on “Trends in Advanced Computing and Applications” at Adhiyamaan College of Engineering, Hosur during 19-20 March 2015.</li> </ul>

		<ul style="list-style-type: none"><li>• K.Balamurugan, Reviewer for papers in “International Conference on “Electronics Communication and Computational Engineering ICECCE-14”, Published in IEEE Explore, at Adhiyamaan College of Engineering, Hosur during 17-18 November 2014.</li><li>• K.Balamurugan, Convenor for National Conference on “Information Processing, Security and Communication” held at St. Peter’s University during April 15<sup>th</sup> 2013.</li><li>• K.Balamurugan, Convenor in National Conference on Advanced Networking Technologies, at St. Peter's University on 18<sup>th</sup> March 2010</li><li>• K.Balamurugan, Reviewer for papers in National Conference on “Advanced Networking and Computing Technologies” at Adhiyamaan College of Engineering, Hosur during 11-12 February 2009.</li></ul>
2	M.Malathi, Asst.Professor, IT	<ul style="list-style-type: none"><li>• Ms. M.Malathi, Executive Member in National Conference on “Information Processing, Security and Communication” held at St. Peter’s University on April 15<sup>th</sup> 2013</li></ul>
3	Sulthana Begum, Asst.Professor, IT	<ul style="list-style-type: none"><li>• Ms. Sulthana Begum, Executive Member in National Conference on Advanced Networking Technologies, at St. Peter's University on 18<sup>th</sup> March 2010</li></ul>
4	Adelin Kiruba, Asst.Professor, IT	<ul style="list-style-type: none"><li>• Ms. Adelin Kiruba, Executive Member in National Conference on Advanced Networking Technologies, at St. Peter's University on 18<sup>th</sup> March 2010</li></ul>
5	Wisely Joe, Asst.Professor, IT	<ul style="list-style-type: none"><li>• Ms. Wisely Joe, Executive Member in National Conference on Advanced Networking Technologies, at St. Peter's University on 18<sup>th</sup> March 2010</li></ul>

**b) Faculty serving in International Committees**

S. No	Name of the faculty	Details
1	Prof.K.Balamurugan, HOD-IT	<ul style="list-style-type: none"> <li>• K.Balamurugan, Convenor &amp; Reviewer for papers in International Conference on “Big data and Cloud Computing” held at St. Peter’s University during March 26-27<sup>th</sup> 2015.</li> </ul>
2	M.Malathi, Asst.Professor, IT	<ul style="list-style-type: none"> <li>• Ms.M.Malathi, Reviewer for papers in International Conference on “Big data and Cloud Computing” held at St. Peter’s University during March 26-27<sup>th</sup> 2015.</li> </ul>
3	G.Sravanthi Asst.Professor, IT	<ul style="list-style-type: none"> <li>• Ms.G.Sravanthi, Reviewer for papers in International Conference on “Big data and Cloud Computing” held at St. Peter’s University during March 26-27<sup>th</sup> 2015.</li> </ul>

**c) Faculty Serving in Editorial Board**

S. No	Name of the faculty	Details
1	Prof.K.Balamuruga, HOD-IT	<ul style="list-style-type: none"> <li>• K.Balamurugan, Convenor &amp; Reviewer for papers in International Conference on “Big data and Cloud Computing” held at St. Peter’s University during March 26-27<sup>th</sup> 2015.</li> </ul>
2	M.Malathi, Asst.Professor, IT	<ul style="list-style-type: none"> <li>• Ms.M.Malathi, Reviewer for papers in International Conference on “Big data and Cloud Computing” held at St. Peter’s University during March 26-27<sup>th</sup> 2015.</li> </ul>
3	Tharani Vimal Asst.Professor, IT	<ul style="list-style-type: none"> <li>• Ms. Tharani Vimal, Co-Ordinator &amp; Reviewer for papers in National Conference on “Advanced Networking Technologies, at St. Peter's University on 18th Mar 2010.</li> </ul>

**d) Any other (please specify) : Nil**

**27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, Workshops, training programs and similar programs).**

<b>Year</b>	<b>FDP</b>	<b>Training Prog.</b>	<b>Workshops</b>	<b>Seminars</b>	<b>Conference</b>
2015	1	-	-		2
2014	1	-	1	3	-
2013	-	-	-		-
2012	-	-	-	3	-
2011	-	-	2	1	-
2010	-	-	3	1	-
2009	1	-	-	3	-

**Workshops / training program details are given in below table**

<b>S.No</b>	<b>Name of the faculty</b>	<b>Program</b>	<b>Period</b>	<b>Organized by</b>
1	Ms.M.Malathi, Asst.Professor, IT	TEQIP II Sponsored FDP on Hands on Cloud & Big Data Analytics	12.05.15 to 25.05.15	Anna Universtiy, BIT campus , Trichy
2	Prof.K.Bala murugan, HOD-IT	International Conference on Big Data & Cloud Computing	26.03.15 to 27.03.15	St.Peter's Institute of Higher Education &Research
3	Ms.M.Malathi, Asst.Professor, IT	International Conference on Big Data & Cloud Computing	26.03.15 to 27.03.15	St.Peter's Institute of Higher Education & Research
4	Prof.K.Bala murugan HOD-IT	FDP on Entrepreneurship	08.12.14	DST Govt.of India

5	Ms.Malathi, Asst.Professor, IT	Workshop on Big data mining and search	03.12.14 to 04.12.14	Anna university Chennai
6	Prof.K.Bala murugan, HOD-IT	Seminar on Nanotechnology- Technology for the future	20.06.14	SPU, Chennai
7	M.Malathi, Asst.Professor, IT			
8	Prof.K.Bala murugan, HOD-IT	Seminar on Academic and Research	18.06.14	SPU, Chennai
9	B.Bridget , Asst.Professor, IT	Seminar on National Seminar on wireless sensor health care systems	13.09.12 to 14.09.12	SPCET , Chennai
10	Esaivani, Asst.Professor, IT			
11	Valliammal, Asst.Professor, IT			
12	M.Malathi, Asst.Professor, IT	Seminar on Wire less sensor networks and cloud computing	16.05.11 to 20.05.11	MIT , chennai
13	M.Malathi, Asst.Professor, IT	Workshop on Data warehousing and data mining	23.05.11 to 31.05.11	Anna University , Chennai
14	M.Malathi, Asst.Professor, IT	Workshop on Service oriented architecture	01.07.11 to 02.07.11	RMK Engineering College
15	B.Bridget , Asst.Professor, IT	Workshop on Object Oriented Analysis - Rational Rose	27.09.10 to 30.09.10	IBM
16	Subhashini, Asst.Professor, IT	Workshop on Object Oriented Analysis - Rational Rose	27.09.10 to 30.09.10	IBM

17	Sulthana Begum, Asst.Professor, IT	Workshop on Distributed services Model	29.10.10 to 30.10.10	Sathyabama University, Chennai
18	Tharani Vimal, Asst.Professor, IT	Seminar on Advances in Information Security and Privacy	21.12.10 to 22.12.10	Sri Ram Engineering College, Chennai
19	Prof.K.Balamurugan, HOD-IT	Seminar on INSIGHT 09	17.03.09 to 18.03.09	Infosys Chennai
20	Ms.Malathi, Asst.Professor, IT	FDP on Deep Dive Faculty Enablement Program	07.12.09 to 11.12.09	Infosys Chennai
21	Ms.Malathi, Asst.Professor, IT	Seminar on Researchers Meet	25.07.09	IET, Chennai
22	Mr.Arun Kumar, Asst.Professor, IT	Seminar on INSIGHT 09	Sep'09	INFOSYS Chennai

**28. Student Projects**

- **Percentage of students who have done in-house projects including inter-departmental projects**
- **Percentage of students doing projects in collaboration with other universities /industry/institute**

Year	% of In-house Projects	% of project in collaboration with other University / Industry / Institute
<b>UG</b>		
2011 -	100	-
2010 -	100	-
2009 -	100	-
2008 -	100	-

<b>PG</b>		
2013 -	100	-
2012 -	100	-
2011 -	100	-
2010 -	100	-
2009 -	100	-

**29. Awards / recognitions received at the national and international level by Faculty:**

- Faculty

S.No	Faculty Name	Details
<b>1</b>	<b>Prof.K.Balamurugan</b>	<b>Session chair</b> for “Information Systems processing, Communication and emerging technologies” in National Conference at St. Peter’s College of Engineering and Technology during Mar 27 <sup>th</sup> 2013

- Doctoral / post doctoral fellows - Nil

- Students

S. No.	Student Name & Class	Activity	Organized by	Period	Award Received
1	S.Rajeswari M.E (Batch 2012-2014)	Paper presentation at 5 <sup>th</sup> National conference on Information, Communication & networking	Easwari Engg. College, Ramapuram Chennai	04/04/14	Best Paper Award
2	Mohammad Rafee.S, III IT	World Record Program “Robo Hack’15 – Innovspark”	Microsoft Research Community	08/03/15	Participated
3	Ashiwini.E III IT				
4	Aravind.S III IT				
5	RaajKumar.S III IT				

**30. Seminars/ Conferences/Workshops organized and the source of funding (National / International) with details of outstanding participants, if any.**

<b>Academic Year</b>	<b>Seminars</b>	<b>Conferences</b>	<b>Workshops</b>
2010-2011	-	1	-
2011- 2012	1	-	-
2012- 2013	-	1	1
2013- 2014	1	1	-
2014-2015	-	1	1
<b>Total</b>	<b>2</b>	<b>4</b>	<b>2</b>

<b>S. No</b>	<b>Title of the program &amp; period</b>	<b>Convenor/ Co-ordinator</b>	<b>National/ Inter national</b>	<b>Funding Agency</b>
1	International Conference on “Big Data and Cloud Computing” (ICBDCC’15) , 26-27 March 2015	Prof. K.Balamurugan Professor, IT	International	St.Peter’s University
2	Workshop on DOT NET Prgmg & Advanced Java Technologies, 26 February 2015	Prof. K.Balamurugan Professor, IT	National	St.Peter’s University
3	Workshop on Bharat Operating System Solution (BOSS) – Minimalistic Object Oriented Linux (MOOL), 15 <sup>th</sup> September 2014	Prof. K.Balamurugan Professor, IT	National	St.Peter’s University
4	CSI Student Chapter Inauguration 15 <sup>th</sup> September 2014 (1 day)	Prof. K.Balamurugan Professor, IT	National	St.Peter’s University
5	National Conference on “ Recent Trends in Computing and Communication Technologies “ - ( NCRCTCCT ’14),13-14	Prof. K.Balamurugan Professor, IT	National	St.Peter’s University

	March 2014			
6	One Day Technical Workshop on “ Ethical Hacking “ by Ankit Fadia, 20 Aug 13	Prof. K.Balamurugan Professor, IT	National	St.Peter’s University
7	National Conference on “ Information Processing, Security and Communication “ NCIPSC’13,15April13	Prof. K.Balamurugan Professor, IT	National	St.Peter’s University
8	One Day Technical Seminar on “ Software Project Management and Six Sigma “ , 14 Feb 12	Prof. K.Balamurugan Professor, IT	National	St.Peter’s University
9	National Conference on “ Advanced Networking Technologies “ - ANT’10, 18 Mar 10	Prof. K.Balamurugan Professor, IT	National	St.Peter’s University

**31. Code of ethics for research followed by the departments:**

- Researchers must respect the rights, interests and dignity of participants and related persons in research.
- Research must be undertaken in accordance with any relevant common law or legislation.
- Informed consent should normally be obtained from participants.
- Consent itself should be given freely without force or coercion.
- Researchers have an obligation to protect research participants wherever possible from significant harm consequent upon the research.
- The confidentiality of information supplied by research participants and any agreement to grant anonymity to respondents should be respected.
- All research involving human participants whether undertaken by academic staff, other university staff or students is to be subject to ethical approval. Both the design of research and its conduct should ensure integrity and quality.

- Research is to be undertaken subject to the principle of academic independence. Where any conflicts of interest or partiality arise, these must be clearly stated prior to ethical approval being obtained.

**32. Student profile programme-wise:**

Name of the Programme (refer to question no.4)	Applications received	Selected		Pass Percentage	
		Male	Female	Male	Female
<b>B.Tech - IT</b>					
<b>2008-2012</b>	130	50	37	68 %	94.5 %
<b>2009-2013</b>	42	14	7	64.2%	100 %
<b>2010-2014</b>	21	5	2	40 %	100%
<b>2011-2015</b>	38	9	8	-	-
<b>2012-2016</b>	30	6	7	-	-
<b>2013-2017</b>	21	4	0	-	-
<b>M.Tech - IT</b>					
<b>2009-2011</b>	30	7	4	100 %	100 %
<b>2010-2012</b>	23	5	7	40%	100%
<b>2011-2013</b>	29	7	8	100 %	100 %
<b>2012-2014</b>	27	5	7	80 %	85.7 %
<b>2013-2015</b>	12	1	2	-	-
<b>2014-2016</b>	13	3	3	-	-

**33. Diversity of students**

Name of the Programme ( refer to question no. 4)	% of students from the same university	% of students from other universities within the state	% of students from universities outside the state	% of students from other countries
<b>M.Tech (IT)</b>				
2008-2009	-	-	-	-
2009-2010	-	100	-	-
2010-2011	-	100	-	-
2011-2012	-	100	-	-
2012-2013	16	84	-	-
2013-2014	-	100	-	-
2014-2015	-	100	-	-

- 34. How many students have cleared Civil services and Defense service examinations, NET, SLET, GATE and other competitive examinations? Give details category wise.**

Nil

- 35. Student progression:**

Student progression	Percentage against enrolled					
	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16
UG to PG	-	-	14 %	25 %	15 %	12 %
PG to M.Phil.	-	-	-	-	-	-
PG to Ph.D.	-	-	-	-	-	-
Ph.D to post Doctoral	-	-	-	-	-	-
Employed	-	-	18 %	19 %	15 %	12 %
• Campus selection	-	-	63 %	62 %	49 %	30 %
• Other than campus recruitment	-	-	63 %	62 %	49 %	30 %

- 36. Diversity of staff.**

Percentage of faculty who are graduates	
of the same University	<b>0 %</b>
From other universities within the state	<b>89 %</b>
From Universities from other states	<b>11 %</b>
From Universities outside the country	<b>0 %</b>

- 37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period.**

Nil

**38. Present details of departmental infrastructural facilities with regard to**

**a) Library-** Our department has a library having,

- 157 text books
- 18 Lab manuals
- 122 student project reports
- 20 Question Banks
- 111 student project CDs
- 2 project kits
- 8 Subjects NPTEL Lectures and also Central Library having about 5000 books related to Information Technology

**b) Internet facilities for staff and students – Yes**

- Internet Facility of **1 Gbps** Provided to the Staff and students round the clock in the campus by MHRD under NMEICT Scheme through NKN and BSNL

**c) Total number of class rooms – 07**

**d) Class rooms with ICT facility – 01 ( NPTEL Videos will be used )**

**e) Students Laboratories**

- DBMS Laboratory
- Case Tools Laboratory
- Microprocessor and Microcontroller Lab
- Software component Laboratory
- Operating System Laboratory
- Networking Laboratory
- Software Engineering Laboratory

**f) Research Laboratories**

All the Post graduate students and the Research Scholars are provided with the Latest Softwares like

- MATLAB
- NS2
- CLOUDSIM
- OPNET

needed for their research work installed in high end systems separately inside the Lab.

**39. List of doctoral, post-doctoral students and Research Associates**

**a) from the host institution/university: 01**

Sl.No	Registration Number	Name of the Ph.D Scholar
1	SP12ITD035	Ms.P.Subhashini

**b) from other institutions/universities – Details given in the below table**

S. No	Registration Number	Name of the Ph.D Scholar
1	SP12ITD148	Mr. M.Sukumar
2	SP13IT024	Mr.K.G.Chiranjeevi
3	SP13IT025	Mr.S.Kavin Hari Hara Sudhan
4	SP13IT026	Mr.R.Mahaveerakannan
5	SP13IT129	Ms.R.Selvi
6	SP13IT133	Ms.P.S.Jeetha Lakshmi
7	SP13IT131	Ms.S.Pavithra
8	SP14ITD501	Ketthari M T

**40. Number of students receiving financial assistance from the university**

Nil

**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.**

M.Tech – IT has been introduced on the request received from the parents and students to do the Post Graduation Programme.

**42. Does the department obtain feedback from**

**a) Faculty on curriculum as well as teaching-learning-evaluation?**

**If yes, how does the department utilize the feedbacks?**

Yes, the department has utilized the feedbacks from the faculty on curriculum and teaching learning process for

- Industrial In-Campus Training programmes for students
- Mini project during the sixth semester holidays
- Unique curriculum
- Knowledge imparted outside the curriculum appreciate
- Insisted for Industrial collaboration with MNC
- Placements from leading IT industries

**b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedbacks?**

- Feedback of staff to improve teaching strategy
- To update curriculum to meet industry segments
- Soft Skill training programme is being arranged
- Industrial visit programme is being arranged

**c) Alumni and employers on the programmes offered and how does the department utilize the feedbacks?**

- To introduce a course on industrial training
- Students will be sent to industries for the project work.
- To introduce new P.G course.
- To improve Institute industry interaction.
- To introduce new Ph.D course in Information Technology

**43. List the distinguished alumni of the department (maximum 10).**

S.No	Name of the Alumni	Batch	Company/ Institution	Position
1	R.Praveen Raj	2008- 2012	Bally Technologies, Taramani-CSIR Road, Chennai-113	Graduage Engineer
2	Amit Kumar Singh	2008-2012	Infosys Technologies,Chennai	Software Engineer
3	Anu Priya	2008-2012	Infosys Technologies,Chennai	Software Engineer

4	Devraj	2008-2012	Infosys Technologies, Chennai	Software Engineer
5	James.K.	2008-2012	HCL Technologies, Chennai	Software Engineer
6	Surendar	2009-2013	Cyntel Technologies, Chennai	Software Engineer
7	S. Lakshmi Priya	2009-2013	Sutherland Technologies,	Software Engineer
8	Harish Kumar	2010-2014	IBM India Ltd, Chennai	Software Engineer
9	Sarfraz Alam	2010-2014	Sitel India Ltd, Taramani, Chennai	Customer Service
10	S.J.Swarna Lakshmi	2011-2015	Sutherland Technologies	Software Engineer
11	G.Priyanga	2011-2015	Smartmegh solutions Pvt. Ltd, Guindy Chennai-32	Associate

**44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

Details of Students enrichment programmes are given below

S.No.	Event Name	Event Date	External Experts
<b>SPECIAL LECTURES ORGANIZED FROM 2010-2015</b>			
1	Placement Training	08.08.15	Mr.Pasupathy.M, NIIT, Ambattur
2	Microsoft Training Programme	29.06.15	Mr.Thangapandian.B, MACS Academy, Chennai.
3	Health Issues for Women	10.02.15	Brinda Karlo, Gynaecologist
4	Carrier Guidance	18.02.15	Mr.Skandan, Executive, TIME Institute, Chennai.
5	Microsoft Virtualization Certification Exam	19.02.14 to 20.02.14	Mr. Yathin, Expert Member, MAZENET Solutions
6	Campus to Corporate	14.08.14	Mr. Rajkumar , CEO , Verbit E-learning Soln Pvt Ltd, Chennai
7	Robotics	06.09.14	Mr. Lokesh, WITY Solutions Ltd, Chennai
8	Cloud computing	24.09.14	Mr. Sathish, Spiro Solutios , Ambatoor, Chennai

9	Carrier Guidance	18.02.15	Mr. Skandan, Executive ,TIME Institute. Chennai
10	SMAC	21.08.13	Mr.Anandhan,Project Executive, Software Patterns, Chennai
11	.Net and Java	29.08.13	Ms. Priyadharsini, Technical Trainer, NIIT, Ambattur,Chennai
12	Ethical Hacking	01.09.13	Mr. Ankit Fadia, CEO, Ankit Fadia Foundation, Chennai
13	Embedded Systems – Opportunities and Challenges	18.07.12	Mr. Veerarghavan, Project Trainee, NIIT, Ambatoor, Chennai
14	Project	28.07.11	Mr.Raja sekar , Executive, TIME Institute, Chennai
15	Advanced Technology	28.07.11	Ms.Vinodhini, Software Engineer, SS Technologies, Chennai
16	Software Testing	23.08.11	Ms. Vasugi, Test Engineer, Facultas Software, Chennai
17	Soft Skill Training Program	18.08.11	Mr. Dinesh Kumar, Executive TIME Institute, Chennai
18	Projects and MVP	07.09.11	Mr.Venkat , CEO, Kaashiv InfoTech, Chennai
19	Open Source Software	07.09.11	Mr.C.N.Radha Krishnan , Director, HCL Felix, Chennai
20	Embedded Technology	17.08.10	Mr. Purushothaman, Manager FABMAX Ltd. Chennai
21	Linux Administration	19.08.10	Ms.Balasubramani, Territory Manager, Accel IT Academy, Chennai
22	Project	08.09.10	Mr.Shankaran,WAN Technology,Chennai
23	Software Testing	30.09.10	Mr. Karthick , Software Engineer, Cogeon Solutions, Chennai
24	Project	06.10.10	Mr.Rajan, Aditya Technologies, Chennai
<b>WORKSHOPS ORGANIZED FROM 2010-2015</b>			
1	DOT NET Programming & Advanced Java Technologies	26.02.15	Mr.Purushotham
2	Workshop on Bharat Operating System Solution (BOSS) – Minimalistic Object	15.09.14	Ms. S. Vigneswari, Sr.Engineer-CDAC, Chennai & Ms. S. Prema, Engineer-CDAC, Chennai

	Oriented Linux (MOOL)		
3	Ethical Hacking	20.08.13	Mr.Ankit Fadia
<b>SEMINARS ORGANIZED FROM 2010-2015</b>			
1	Android Program Development	16.07.15	Mr. Venkatesh kumar,ACCEL IT Academy
2	Core and Advanced Java	March.'15	Mr. Venkatesh, Kaashiv Infotech, Conducted by CSI SC.
3	CSI Student Chapter Inauguration	15.08.14	Mr. Rajan T Joseph Director(Education) CSI, Prof. Madhusudhana Rao Sriramagiri, Senior Project Consultant, CSE, IITM
4	Social Media Analytics & Cloud	21.08.13	Mr.Anandhan, Project Executive, Software patterns, Chennai.
5	Software Project Management & SIX SIGMA	14.02.12	Shri. S.Appan, HML
6	Open Source Technology	07.09.11	Mr.C.N.Radha krishnan, Director, HCL Felix, Chennai.
7	Software Testing	28.09.10	Ms.Seethalakshmi, Software Engineer, Cogeon solutions, Chennai.
8	Linux Administration	19.08.10	Mr.Balasubramani, Territory manager, IT Academy, Accel, Chennai.
<b>PLACEMENT TRAINING ORGANIZED FROM 2010-2015</b>			
1	Live Life Curriculum for 1 <sup>st</sup> ,	2012-2013	Dr. Kannan Girish, Psychiatrist
2	Training on Analytical and	2012-2013	Smart Training Resources Pvt. Ltd, Chennai
3	Live Life Curriculum for 1 <sup>st</sup>	2013-2014	Dr. Kannan Girish, Psychiatrist
4	Training on Analytical and	2013-2014	Smart Training Resources Pvt. Ltd, Chennai
5	Training on Analytical and	2014-2015	Smart Training Resources Pvt. Ltd, Chennai
6	Training on Analytical and	2015-2016	Smart Training Resources Pvt. Ltd, Chennai

**45. List the teaching methods adopted by the faculty for different programmes.**

- Audio Visual Facility
- Black Board Teaching
- E-Learning
- Group Discussion on Challenging Topic
- CBTs

**46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

- By conducting unit test regularly for every unit
- By conducting model exam at the end of fifth unit before university exams
- By conducting Industrial visit to various fields to gain practical knowledge for the students after studying the theory subjects.
- By making the students to present the technical papers in conference, seminars.
- By conducting re test for the students those who score less than 50% in the subjects.
- By making the students to write assignment on important questions for every unit.
- To arrange for special classes for weaker students.
- By giving counseling to students
- Communicate the performance of the students to their parents
- By involving practical session in labs

**47. Highlight the participation of students and faculty in extension activities.**

- Conducted workshop on “Advanced Java & .NET Programming” for our department students by CSI (Computer Society of India) student Chapter.
- Our departments students have participated in NSS Camp Programme for one week
- Soft Skill Training Programme are conducted for our students to enhance their personality skills.
- Enterpreneurship Development Programme is conducted through TBI for the students development.
- By conducting Industrial visit to various fields to gain practical knowledge for the students after studying the theory subjects.
- By making the students to present the technical papers in conferences, seminars

**Students participated in extension activities like events conducted in symposium and workshops**

Sl. No	Name & Year	Activity	Organized by	Period	Places
1	Arun Balaji (III Year)	Adzap	BS Abdul Rahman University	11.09.09	Participated
2	Santhosh (III Year)	Adzap	BS Abdul Rahman University	11.09.09	Participated
3	Surya Prakash	Adzap	BS Abdul Rahman University	29.09.10	Participated
4	Santhosh (III Year)	Adzap	BS Abdul Rahman University	29.09.10	Participated
5	Dipesh Kumar	Adzap	BS Abdul Rahman University	29.09.10	Participated
6	Santhosh (III Year)	Web Designing	SPU Nen Eweek	02.11.11	Participated
7	Sangeeth (III Year)	Analytical Instrumentation Techniques	SPU	11.03.11	Participated
8	Sarfaraz Alam (III Year)	Analytical Instrumentation Techniques	SPU	11.03.11	Participated
9	Swarna Lakshmi (I Year)	Intro to C Programming	RCC, AU	10.05.11 to 16.05.11	Participated
10	Sangeeth (III Year)	Work Shop-Android Development	SPEC TBI	28.08.12	Participated
11	Sangeeth (III Year)	Symposium	SSN College of Engineering	31.08.12	Participated
12	Sangeeth (II Year)	QUIZ/ADZAP	Meenakshi Sundarajan Engineering College	15.02.12	Participated
13	Merlin Lilly (II Year)	Quiz/Debugging	Meenakshi Sundarajan Engineering College	15.02.12	Participated
14	Sangeeth (II Year)	QUIZ	Meenakshi Sundarajan Engineering College	15.02.12	Participated

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15	Sangeeth (III Year)	NEN- E WEEK	SPU	06.10.12 to 13.10.12	Short Film makin
16	Sarfraz Alam (II Year)	Quiz/Debu gging	Meenakshi Sundar rajan Engineering College	15.02.12	Partici pated
17	Swarna Lakshmi (II Year)	Hardware service Engineer	Blue Bird Academy	18.06.12	Partici pated
18	Swarna Lakshmi (II Year)	Tech Camaflog e /Maths Quiz	SSN College of Engineering	30.08.12	Partici pated
19	Swarna Lakshmi (I Year)	Brock and Tackle	SPU Nen Eweek	06.02.12 to 13.02.12	Partici pated
20	Premnath (I Year)	Ethical Hacker	India Can	21.01.13	Certifi ed
21	Nandini (II Year)	Query Quest	SSN College of Engg.	09.04.13	Partici pated
22	Hemavathy (II Year)	Query Quest	SSN College of Engineering	09.04.13	Partici pated
23	Aravind (III Year)	Facebook Battle	Saveetha Engg.College	21.08.13 to 23.08.13	Partici pated
24	Aravind (III Year)	All Rounder	Saveetha Engg.College	21.08.13 to 23.08.13	Partici pated
25	Aravind (III Year)	Web Hunt	Saveetha Engg.College	21.08.13 to 23.08.13	Partici pated
26	Shahana Zehra (III Year)	Facebook Battle	Saveetha Engg.College	21.08.13 to 23.08.13	Partici pated
27	Shahana Zehra (III Year)	All Rounder	Saveetha Engg.College	21.08.13 to 23.08.13	Partici pated
28	Viveka (III Year)	Mathmarat hon	Converita	04.09.13	Partici pated
29	Swarna Lakshmi (III Year)	Virtualizati on- Workshop	IIT Madras	2013	Partici pated
30	Hemavathy (III Year)	High Availabilit y Networks	OITRIX	03.03.14	Partici pated

31	Hemavathy (III Year)	Case Study	St.Peters University	04.03.14 to 05.03.14	Partici pated
32	Hemavathy	Modern Art	St.Peters University	04.03.14 to 05.03.14	Partici pated
33	Hemavathy (III Year)	MAD ADZ	St.Peters University	04.03.14 to 05.03.14	Partici pated
34	Md.Rafee (II Year)	Cyber Security & Malware Analysis	Saveetha Engg. College	21.03.14	Partici pated
35	Rajeswari (II Year)	Secure Transactio n in Wireless Network	Easwari Engg. College	04.04.14	Partici pated
36	Md.Rafee (II Year)	Code Fuzz	Sriram Engg College	19.09.14	Partici pated
37	Md.Rafee (II Year)	Web War	Sriram Engg College	19.09.14	Partici pated
38	Md.Rafee (II Year)	Tech- Connect	Sriram Engg College	19.09.14	Partici pated
39	Md.Rafee (II Year)	Limka Book of Records	Innov Spark' 2014	07.09.14	Achei vemen t
40	D.Hariharas udhan (II Year)	Technocra zx	AMS, Avadi IAF, Chennai-54	23.09.14	Partici pated
41	S.Silverster Stalin (II Year)				
42	S.Umesh (II Year)				
43	S.Silverster Stalin (II Year)	National Technical Symposiu m	Sriram Engineering College, Thiruvallur Dist	19.09.14	Partici pated
44	S.Umesh (II Year)	INNOVAC			
45	Md.Rafee (III Year)	World Records	Innov Spark' 2015	08.03.15	Achei vemen t

**Students Participation in Sports activities:**

Sl.No	Name & Class	Event	Date	Place secured
1	Sunil (I Year)	Annual Sports Day 100 Mts	2014-2015	2 <sup>nd</sup> Place
2	Sunil (I Year)	Annual Sports Day 200 Mts	2014-2015	3 <sup>rd</sup> Place
3	Sunil (I Year)	Chess	2013-2014	Runner
4	Sunil (I Year)	4/100 Relay	2013-2014	Runner
5	Sunil (I Year)	Annual Sports Day 400 Mts	2013-2014	3 <sup>rd</sup> Place
6	Sunil (I Year)	Annual Sports Day100 Mts	2013-2014	2 <sup>nd</sup> Place
7	Sunil (I Year)	Football Tournament	2013-2014	Runner
8	Sangeeth (III Year)	Dance	Sep' 11	Participated
9	Sarfraz Alam (IV Year)	Baseball Tournament	Aug' 10	Participated

**48. Give details of “beyond syllabus scholarly activities” of the department.**

- The University has Anna University Edu Sat link through which students and faculty have access to the classes which are conducted once a week by senior Professors on selected subjects.
- Industrial visits and Inplant Training are arranged
- Soft Skill Training Programme are conducted for the students
- Final year students are involved in project activities in various IT industries recent in emerging technology

### SYMPOSIUM

Sl.No	Symposium Name	Date	Chief Guest
1	National Level Technical Symposium RECKON '14	17.10.14	Shri. Karthick Karunakaran CEO, Mobius Knowledge Services.
2	National Level Technical Symposium RECKON'13	09.10.13	Shri.Sivaguru Pandian, CEO, IVTL Infoview Pvt.Ltd
3	National Level Technical Symposium ZIGBEE '11	21.09.10	Shri. Sivashankar Babu,AVP-Asset Management, Hexaware Technologies Ltd, Chennai
4	National Level Technical Symposium ZEITGEIST' 09	21.09.09	Shri S.P.Eugene Xavier,AGM & Head, Technical Competency Development,Hexaware Technologies Ltd,Chennai
5	National Level Technical Symposium ZEITGEIST' 08	15.09.08	Shri.James Walter,Managing Director, Object Frontier Solutions Pvt.Ltd, Chennai

### INPLANT TRAINING

S.No	Name of the Student	Company Name	Period
1	Priyanka G	Caresoft Technologies	19.05.14 to 18.06.14
2	Mr.S.Aravind	Indian Servers	05.09.13 to 06.09.13
3	Mr.S.Aravind	BSNL	26.09.13
4	Ms.Vidhya	Kashiv Info Tech	21.05.12 to 31.05.12
5	Ms.Vidhya	Sansbound Technologies	21.03.12

6	Ms.Vidhya	Adhithya Info Media Solutions	15.05.12 to 16.06.12
7	Ms.Priyanka	Adhithya Info Media Solutions	-
8	Ms.Lakshmipriya	Adhithya Info Media Solutions	-
9	Mr.Amarnath Tiwari	HCL career development center	29.04.11 to 13.05.11
10	Mr.Vikas Kumar	HCL career development center	04.05.11 to 13.05.11
11	Mr.Brajesh Kumar	HCL career development center	30.04.11 to 14.05.11
12	Mr.Sushil Kumar	HCL career development center	30.04.11 to 14.05.11
13	Mr.Amit Kumar	TATA	10.05.11 to 07.06.11
14	Mr.Pankaj patel	TATA	10.05.11 to 07.06.11
15	Ms.Krishnapriya	BSNL	09.05.11 to 13.05.11
16	Ms.Abarna	BSNL	09.05.11 to 13.05.11
17	Ms.Abarna	ACCEL IT Academy	07.06.11 to 09.06.11
18	Ms.L.Kirthika	Focus Tech Media	30.05.11 to 03.06.11
19	Ms.Priyanka	BSNL	26.12.11 to 30.12.11

20	Ms.Vidhya	BSNL	26.12.11 to 30.12.11
21	Ms.Lakshmipriya	BSNL	26.12.11 to 30.12.11
22	Ms.Vidhya	TVS Lucas	14.06.11 to 24.06.11

**INDUSTRIAL VISIT**

<b>Sl. No</b>	<b>Year/sem</b>	<b>Date</b>	<b>Company Name</b>
1	IV & III Year	16.07.14	KAASIV INFOTECH
2	III Year	13.08.14	HCL Learning
3	IV , III & II Year	17.09.14	ACCEL IT Academy
4	IV & III Year	23.09.14	Good Ocean Maritime
5	IV Year	06.02.13	Chennai IT Training Solutions Pvt. Ltd
6	III Year	24.07.13	BSNL , Tambaram
7	IV & III Year	24.09.13	Object Frontier Soln Pvt. Ltd
8	IV Year	26.09.13	BSNL, Tambaram
9	IV Year	07.11.13	Indian NAVAL Air Station, Arakkonam
10	III Year	21.03.12	Sansbound Technologies
11	IV & III Year	13.09.12	Maples ESM Technologies
12	IV & III Year	05.10.12	K7 Computing Pvt. Ltd
13	IV Year	04.03.11	IGCAR (Department of Atomic Energy)
14	IV Year	25.08.11	Allison Technologies
15	III Year	09.09.10	SPIRO Solutions

16	IV Year	07.10.10	Hexaware Technologies
17	II Year	14.10.10	Object Frontier Solutions
18	II Year	22.10.10	Hyundai Motors
19	IV Year	27.03.09	Object Frontier Solutions Pvt. Ltd.
20	II Year	26.03.09	Object Frontier Solutions Pvt. Ltd.

**49. State whether the programme/ department is accredited /graded by other agencies? If yes, give details**

The Certification Body of TUV SUD South Asia Private Limited certifies that St.Peter's University has established and applies a Quality Management System and fulfilled the ISO 9001: 2008 which is effective from 2014-06-06.

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

- Conducted National and International Conference for the research scholars and Post graduate students every year
- Organized various Programmes such as Workshops, Seminars, Webinars and Symposiums
- Research Scholars and faculty are published papers in peer reviewed journals.

**51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

**Strengths:**

- The department is having dedicated and experienced faculty members.
- Computer Society of India Students Chapter has been established
- Approved Computer Society of India Online Test Centre
- The department is equipped with Advanced OS Lab, Advanced DBMS Lab Cloud Computing Lab to train the students.

- Faculties are pursuing the research in the emerging areas like Big Data Analytics, Social Networking and Network Security.
- Regularly conducts various Technical Programmes such as Seminars, Workshops, National and International Conferences

**Weakness:**

- Consultancy to be improved
- Book Publications

**Opportunity:**

- Higher Studies in India and Abroad in Multidisciplinary areas
- Assured Placement in leading IT Industries
- Adaptability of New and Upcoming Technologies

**Challenges:**

- To conduct one National Conference, Technical Seminar and Faculty Development programme in the latest areas in IT every year.
- To introduce Interdisciplinary Programme.
- To Establish Pervasive Computing Lab.

**52. Future plans of the department**

- To start Two Year M.Tech Programme in Network & Internet Engg
- To start one year Certificate Programme in Cyber Security, Advanced Oracle, Hardware and Networking.
- To introduce Interdisciplinary Programme

## **PHOTO GALLERY**

### International & National Conferences



Inter National Conference on “ BIG DATA and CLOUD COMPUTING “ during 26 – 27 March 2015



National Level Conference on “Recent Trends in Computing and Communication Technologies “ on 13-14 March 2014.



National Level Conference on “ Information Processing, Security and Communication on 15 April 2013.



National Level Conference on “Advanced Networking Technologies” during 18 March 2010.

National Workshops Organized



Workshop on Ethical Hacking  
September 5<sup>th</sup>-6<sup>th</sup> 2013



Workshop on DOT NET  
Programming And Advanced Java  
Technologies, Feb 26<sup>th</sup> 2015

National Symposiums Organized



National Level Technical Symposium  
RECKON'14 on 17 October 2014.



National Level Technical Symposium  
RECKON'13 on 9<sup>th</sup> October 2013



National Level Technical Symposium  
ZIGBEE'11 on 21st September 2010



National Level Technical Symposium  
ZEITGEIST' 09 on 15<sup>th</sup> September 2009

Seminars, Guest Lectures & Workshops



Seminar on Open Source Technology



Seminar on Linux Administration



Guest Lecture on Robotics



Guest Lecture on Soft Skill Training Program

Co-Curricular and Extra Curricular Activities



Industrial Visit DTTC, BSNL, Chennai



Microsoft Virtualization Certification Exam in association with MAZENET solutions 19<sup>th</sup>-20<sup>th</sup> Feb 2014



Industrial Visit ACCEL IT Academy, II IT



Industrial Visit Sansbound Technologies Pvt. Ltd., IV IT