EVALUATIVE REPORT OF THE DEPARTMENT

Department of Civil Engineering

1. **Name of the Department : Civil Engineering**

2. **Year of Establishment** : Department of Civil Engineering was established in the year 2002 in St. Peter's Engineering College which was declared as Deemed to be University in the year 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.E.(Civil Engineering)
- M.E. (Structural Engineering)
- M.E. (Building Technology and Construction Management) - Suspended
- Ph.D. – (Civil Engineering)

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

S. No.	Interdisciplinary Course	Year / Semester	Department
B.E. (Civil Engineering)			
1	113EHT01 – Technical English I	I / I	English
2	113MAT02 – Mathematics I	I / I	Mathematics
3	113PHT03 – Engg. Physics I	I / I	Physics
4	113CYT04 – Engg. Chemistry I	I / I	Chemistry
5	113CPT05 – Computer Programming	I / I	C.S.E.
6	113EGT06 – Engg. Graphics - I	I / I	Mechanical
7	213EHT01 – Technical English II	I / II	English
8	213MAT02 – Mathematics II	I / II	Mathematics
9	213PHT03 – Engg. Physics II	I / II	Physics
10	213CYT04 – Engg. Chemistry II	I / II	Chemistry
11	213EET05 – Basic Electrical and Electronics Engineering	I / II	E.E.E.
12	213EMT06 – Engg. Mechanics	I / II	Mechanical
13	313CET01 - Transforms and Partial Differential Equations	II / III	Mathematics
14	413CET01 – Numerical Methods	II / IV	Mathematics

15	612CET01 – Principles of Management	III / VI	Management Studies
16	808CET01 – Engineering Economics & Cost Analysis	IV / VIII	Management Studies
Master of Engineering			
STRUCTURAL ENGINEERING			
17	113SEPT01 – Advanced Numerical Methods	I / I	Mathematics

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 Course	Year / Semester / Branch	Department
1	313MET04 – Strength of Materials	II / III / Mech.	Mechanical Engineering
2	213CMT05 – Basic Civil & Mechanical Engineering (Civil)	I / II / EEE	Electrical & Electronics Engineering

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

2015 – 2016			
Position	**Sanctioned**	**Filled**	**Actual (including CAS & MPS)**
Professors	2	2	2
Associate Professors	1	1	1
Asst. Professors	9	9	9
Others	-	-	-

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

S. No.	Name of the faculty	Qualification	Designation	Area of Specialization	No. of years of experience	No. of Ph.D scholars under guidance
1	Dr.D.S.Ramachandra Murthy	B.E., M.Sc (Engg)., Ph.D	Director (R&D)	Structural Engineering	40	4
2	Dr.Sayana.V.BM.	B.E., M.E., Ph.D.	Prof. & Head	Irrigation Engg.	29	-
3	Dr.P.Asha	B.E M.E Ph.D	Professor	Structural Engg	12	7
4	Dr. Hemadri Prasad Raju	B.E., M.E., Ph.D.	Assoc. Prof.	Environmental Engg.	21	
5	Mr. K. Karthik	B.E., M.S., (By Research) (Ph.D).	Asst. Prof.	Traffic Engg.	18	
6	Mr. P.Sampath	B.E., M.E.	Asst. Prof.	Structural Engg.	11	
7	Mrs. A.R.R. Kalaiyarasi	B.E., M.E.	Asst. Prof.	Structural Engg.	21	
8	Mr. C.S.Lakshmikanthan	B.E., M.E., (PhD.)	Asst. Prof.	Construction Mgmt	6	
9	Ms. M.Kalaiselvi Muthiah	B.E., M.E.	Asst. Prof.	Integrated Water Resources Management	2	
10	Mr. Vinoth krishna	B.E., M.E.	Asst. Prof.	Structural Engg.	1	
11	Mr.Irshad Ahmed	B.E M.E	Asst. Prof	Structural Engg	1	
12	Mr.C.Harihara Sudhan	B.E. M.E	Asst. Prof	Structural Engg	6	
13	Mr.Giri prasad	B.E., M.E.	Asst. Prof.	Geotechnical Engg.	1	

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

Nil

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

Nil

14. Programmes-wise Student: Staff Ratio:

S. No.	Programme	Student strength	Student : Staff Ratio
1	B.E – Civil Engg.	120	15:01
2	M.E – Structural Engg.	48	12:01

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

2015 – 2016			
Position	Sanctioned	Filled	Actual (including CAS & MPS)
Support staff	4	4	4
Administrative staff	1	1	1

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

- Innovative concrete materials
- Effective utilization of industrial wastes
- Soil stabilization and reclamation
- Prefabricated structures
- Disaster management

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.

S. No.	Name of Faculty	Funding Institute & Grant letter reference	Project Title	Total grants received (Rs.)	Status
1	Dr. P. Asha, Professor	Department of Science and Technology	Seismic behavior of fiber reinforced beams	23,00,000	Applied

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

S. No.	Name of the Faculty	Funding Institute/ Organisation	Project Title	Total grant received (Rs.)	Status
1	Dr. P. Asha, Professor	International Institute of Project Management (IIPM)	Optimisation of compressive strength in geopolymer concrete	10,000	Completed

b) **International collaboration:** Nil

19. Departmental projects funded by DST-FIST, UGC-SAP/CAS, DP; DBT, ICSSR, AICTE, etc; total grants received.

S. No	Name of the Investigator	Funding Institute/ Organisation	Project Title	Total grant received (Rs.)	Status
1	Dr.D.S. Ramachandra Murthy, Director (R&D)	Ministry of Micro Small and Medium Enterprises (MSME), Ref. No.6(19/8)/NMCP(Incubator)/St.PEC/Sanction-22/2010-11	Concrete Blocks using Flyash and no cement	6,00,000	Completed
2	Dr. P. Asha Professor	International Institute of Project Management, Ref. E-mail, dated 23-07-2014 from O.	Optimisation of compressive strength in geopolymer concrete	10,000	Completed

		Arivazhagan			
3	Dr. D.S. Ramachandra Murthy, Prof. / Civil Engg. and Dean (R&D)	Institution of Engineers India (IEI), SCK/T-R & D/ 172/ 2008-09	Characterization of Flyash based Geopolymer Concrete (2008-2009)	40,000	Completed
4	Dr. P. Partheeban, Prof. & Head	Engineers India (IEI), SCK/T-R & D/ 173/ 2008-09	Development of Wireless based GIS for Air Quality Monitoring (2008-2009)	40,000	Completed
5	Mr. K. Karthik Assoc. Professor	TNSCST/SPS/ AR/2011-2012, Dt.20.04.2012 Code: ECV04	Study on effectiveness of the traveler information system (2011-2012)	6,000	Completed
6	Mr. R. Vinoth Raj Kumar Asst. Professor,	TNSCST/SPS/ AR/2012-2013, Dt.15.05.2013 Code: ECV01	Study on Durability of Geopolymer Concrete subjected to Environmental Effects (2012-13)	10,000	Completed
7	Mr. P. Babu Kamaraj Lecturer	TNSCST/SPS/ AR/2012-2013, Dt.15.05.2013 Code: ECV11	Experimental Investigation on compressed stabilized Earth Block (2012-13)	10,000	Completed
8	Mr. K. Karthik Assoc. Professor	TNSCST/SPS/ AR/2013-2014, Dt.23.05.2014 Code: ECV10	Impact of noise pollution on busy corridors of Chennai city using GIS (2013-14)	7,500	Completed
TOTAL				**723,500**	

a. **National Funding Agencies**: Rs.7,23,500

b. **International Funding Agencies** : Nil

c. **Total Grants Received** : Rs.7,23,500

20. Research facility / centre with

a. **State recognition - Nil**
b. **National recognition - Nil**
c. **International recognition - Nil**
d. **Others**

Laboratory	**Equipment**	**Description of experiments**
Structural Engineering Lab	• Loading frame (50 ton capacity) and accessories. • Table Vibrator. • Concrete Pan Mixer. • Load Cell • Hydraulic Jack • Data Acquisition System • Rebound Hammer (NDT) • Demec Gauge	• Load vs strain on beams and columns of various materials. • Workability. • Effective mixing of constituents of concrete. • Structural Testing
Environmental Engineering Lab	• Incubator. • Reflux apparatus • Muffle furnace	• BOD testing. • COD testing • Volatile organic compounds
Concrete & Highway Engineering Lab	• Vee-Bee Consistometer • Slump cone test • Ductility test apparatus • Penetration test apparatus • Abrasion testing machine	• Consistency of Concrete • Concrete slump • Ductility of bitumen • Strength of bitumen
Soil Mechanics Lab	• Permeability apparatus • Triaxial apparatus	• Permeability of soil • Strength of soil
Fluid Mechanics Lab	• Centrifugal pump	• Performance

	• Pipe friction	characteristics • Friction factor in pipes
Strength of materials	• Universal Testing Machine • Compression Testing Machine	• Tensile, compressive and shear tests • Compressive test
CAD Lab	• AutoCAD • Ansys (Shared with Mech. Engg. Dept.)	• Analysis of structures • 2D and 3D drafting
Survey Lab	• Total Station • GPS	• Geodetic surveying and location

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

Nil

22. Publications

a. **Number of papers published in peer reviewed journals (national / international**

Year	National Journal	International Journal	National Conference	International Conference	Total
2015	-	11	16	-	27
2014	1	10	7	11	29
2013	-	4	9	1	14
2012	-	4	2	1	7
2011	-	3	4	-	7
2010	-	3	5	-	8
2009	-	-	-	-	-
2008	1	-	-	1	2
Total	2	35	43	14	94

INTERNATIONAL JOURNALS

S.No	Title
	2015
1.	**P.Asha,** " Study of Strength Characteristics of Concrete with E-waste", International Journal of Earth Sciences and Engineering, Volume 08, No.01, pp.445-449, IF 0.042
2.	Nelson Ponnudurai**, P.Asha and** R.Vinoth Kumar, "Design of Cable Stayed Pedestrian Bridge", International Journal of Engineering Trends and Technology, Volume 22, No.2, 2015, pp.55-60. IF 0.537
3.	**M.K.Thangamanibindhu & D.S.Ramachandramurthy** "Flexural Behaviour of Reinforced Geopolymer Concrete beams partially replaced with recycled coarse aggregates", International Journal of Civil Engineering and Technology, Volume 6, Issue 7 July 2015, pp12-21, IF 9.1215
4.	**S.Murali Krishnan & T.Felixkala,** " Experimental Investigation on High Performance Concrete using Manufactured Sand as Fine Aggregate", International Journal of Applied Engineering Research, ISSN 0973-4562, Volume 10 No.6, 2015, pp 15643-15649, IF 1.8233
5.	**S.MuraliKrishnan & T.Felixkala,** "Eco- Friendly Environmental Materials in Concrete", International Journal of Applied Engineering Research, ISSN 0973-4562, Volume 10, No.68,2015, IF 1.8233
6.	**A.Arivumangai and T.Felixkala**, "Experimental Investigation on Fire Resistance of Granite Powder Concrete", International Journal of Applied Engineering Research, ISSN 0973-4562, Volume 10, No.27,2015, IF 1.8233IF 1.8233
7.	**A.Arivumangai and T.Felixkala, "**Fire Resistance test on Granite Powder Concrete" International Journal of Earth Science Engineering, ISSN 0974-5904, Volume 08, No.02. 2015 pp311-316, IF 1.795
8.	**M.Manikandan and Felixkala "**Testing on the replacement of the granite waste for sand and the addition of d mixtures for self-compacting concrete", ISSN 0973- 4562 VOL 10 pp NO. 68
9.	**M.Manikandan and Felixkala** "Experimental Study on Properties of Granite Waste in Self Compacting Concrete", Indian Journal of Applied Research, Vol 5, No.3, March, 2015 pp 128-130.(IF:2.16)
10.	**C.Vaidevi and Felixkala,** "Experimental Study on Properties of Self Compacting Concrete with Marble Waste", International Journal of Applied Engineering Research, Vol 10, No 33, 2015, pp 24183-24185(IF:1.8233)

11	Mahesh Kumar L. **V.B.M.Sayana** and Jayaraman P, "Multi-characteristics optimization on end-milling of AA6101 T6 using weighted principal component analysis", International Journal of Applied Engineering Research, Vol.10, No.6, 2015. **SCOPUS, Impact Factor:0.8**
2014	
1.	**Dr.P.Asha** Experimental and Analytical Studies on Seismic Behavior of Beam-Column Joints Computers and Concrete Vol. 13, No. 2 221-2342014, IF 0.936
2.	**P. Asha,** A. Salman, R. Arun Kumar, "Experimental Study on Concrete with Bamboo Leaf Ash", International Journal of Engineering and Advanced Technology, Vol.3, No.6,pp.46-51. IF 1.121
3.	**S.Krishna kumar** "Hydro geochemistry and groundwater quality appraisal of part of south Chennai coastal aquifers, Tamilnadu, India using WQI and Fuzzy logic methods", Applied water science DOI 10.1007/s13201-013-0148-4, 2014, IF 0.361
4.	**S.Krishna kumar** "Seasonal Variability in Sediment Distribution along SouthWest Coast of Tamilnadu", International Journal of Recent Scientific Research Vol.5, Issue 1, pp.44-53, 2014, IF 0.38
5.	**H. Prasad Raju And P. Partheeban,** "Mobile Monitoring Of Air Pollution Emanating From Burning MSW: Impact On Human Health – A Case Study", International Journal Of Earth Sciences And Engineering, Vol 7, No.5, Oct 2014, pp 1799-1805.(IF:0.042)
6.	**H. Prasad Raju and P. Partheeban,** "Mobile Vehicular Air Pollution Monitoring using GIS, GPS and Sensors at Ambattur in Chennai city, India", Pollution Research, Vol 33, No4 PP 821-827.
7.	**H. Prasad Raju, P. Partheeban, R.Rani HemaMalini and P.Ganapathy** "Real Time Mobile Monitoring of Air Quality in Urban Areas using Solid State Gas Sensors", International Journal of Emerging Technology and Advanced Engineering, Vol 4, Issue 10, Oct 2014, pp 237-242.
8.	**A.Arivumangai and Felixkala** "Granite Powder Concrete with High Strength and Better Performance", International Journal of Earth Science and Engineering ISSN 0974-5904, Volume 07,No.05, pp 2018-2024,IF 2.093
9.	**Dr.S.Krishna Kumar,"** Microbial diversity in coastal sedeiments during pre and post tsunami periods in the south-east coast of India" Frontiers in Biology,Feb 2014

10.	**Dr.S.Krishna Kumar, "**Hydro geochemistry and ground water quality appraisal of part of south Chennai coastal aquifiers, Tamil nadu, India using WQI and fuzzy logic methods" Applied water Science.
2013	
1.	**K.Karthik** "Assessment of Ambient noise levels in selected urban areas of Chennai city", Journal of Progress in Civil Engineering Vol 01 – Issue 01, 2013, IF 0.484.
2.	**K.Karthik** Study of traffic noise pollution on busy corridors in Chennai Indian journal of Life sciences Page 123-127 2013, IF 1.00
3.	**S.Krishna kumar** Trace element contamination in the estuarine sediments along Tuticorin coast – Gulf of Mannar, southeast coast of India Marine pollution bulletin73(1):355-61 2013, IF 2.359
4.	**P.Priya Rachel and Dr.P.Partheeban,** "Chemical Analysis of Low Calcium Fly Ash Based Geopolymer Concrete"' International Journal Of Scientific Research, Vol. 2, Issue 3, pp. 134-136, March 2013. (IF:0.3317)
2012	
1.	**S.Krishna kumar, "**Groundwater Quality Assessment using WQI and GIS techniques, Dindigul district, Tamilnadu, India" Arabian Journal of geosciences 6(11), 4179-41892012, 2012, IF 0.740
2.	**H. Prasad Raju, P. Partheeban, and R. Rani Hemamalini**, **"**Urban Mobile Air Quality Monitoring using GIS , GPS, Sensors and Internet**"** International Journal of Environmental Science and Development,. Vol.3, No.4, pp. 323-327, 2012, IF 0.078
3.	**Krishna Kumar** "Trace element concentration in groundwater, Tuticorin city, Tamil Nadu, India", Bulletin of Environmental Contamination Toxicology, 88:876-879, 2012. (IF:1.09)
4.	**Krishna Kumar,** "Diagenesis of Holocene reef and associated Beachrock of Certain Coral Islands, Gulf Of Mannar, India: Implication on climate and sea level", Journal of Earth system Sciences , 733 – 745, June 2012. (IF:0.695)
2011	
1.	**V.B.M. Sayana and Ravichandran.S,** "Groundwater quality and role of the monsoon in Chennai City, South India", Asian Journal of Chemistry, Vol. 23, 2011.
2.	**S.Krishnakumar, N.Chandrasekar, P Seralathan, Prince S.Godson, N.S.Magesh,** " Hydrogeochemical study of shallow carbonate aquifers, Rameswaram island, India", International Journal

	of Environmental Monitoring and Assessment, ISSN: 0167-6369, DOI 10.1007/s 10661-011-2249-6, 2011, IF 1.436 August 2011.
3.	**Krishna Kumar "**Depositional environment and Ecology of the reef associated beachrock at Rameswaram and Keelakkarai group of islands, Gulf of Mannar, India", Journal of Frontiers of Earth Sciences 2011, 5(1):61-69
2010	
1.	**Sayana, V. B. M., Arunbabu, E., Mahesh Kumar, L., Ravichandran, S. And Karunakaran, K. "**Groundwater responses to artificial recharge of rainwater in Chennai, India: A case study in an Educational Institution Campus", Indian Journal of Science and Technology, Vol. 3, No. 2, pp. 124-130, 2010.
2.	**Krishna Kumar, "**Trace element contamination in the coral reef skeleton, Gulf of Mannar**"**, India Bulletin of Environmental Contamination Toxicology Vol. No/ Page no 84, 141-146, 2010, IF1.105
3.	**Krishna Kumar S., N. S. Magesh, N.Chandrasekar,** "Spatial distribution and Groundwater quality assessment in Rameswaram Island, India – A GIS approach", Journal of Earth Science Frontiers 2010
2009	
1.	**Krishna Kumar** "Assessment of groundwater quality and hydro geochemistry of Manimuktha River Basin, Tamil Nadu, India", Journal of Environmental Monitoring and Assessment, 159:341 -351, 2009.
2008	
1.	**Partheeban, P., E. Arunbabu, and R. Rani Hemamalini,** "Road Accident Cost Prediction Model Using Systems Dynamics Approach, International Journal Transport", Vol. 23, 2008.
2.	**Kanmalai William, C.K, Felix Kala, T. and P. Partheeban,** "Mechanical Properties of High Performance Concrete Incorporating Granite Powder as Fine Aggregate" Design of Manufacturing Technology, November 2008
3.	**Nachimuthu, K., P. Partheeban, and R. Rani Hemamalini,** "Road Accident Forecasting Models for Urban Areas, Accident Analysis and Prevention", Elsevier Science Ltd., September 2008. SCOPUS (IF:1.964)

NATIONAL JOURNALS

S.No	Title
	2014
1.	**D.S.Ramachandra Murthy**,"Fly Ash Based Geopolymer Concrete Bricks for Building Construction" ICI Journal, Volume No:15, No.3, Oct-Dec-14, pp.29-35.
	2008
1.	**Kanmalai William, C.K, Felix Kala, T. And P. Partheeban, "**Mechanical Properties of High Performance Concrete Incorporating Granite Powder as Fine Aggregate" Design of Manufacturing Technology, November 2008

INTERNATIONAL CONFERENCES

S.No	Title
	2014
1.	**Dr. P. Asha**, "Seismic study on Beam-Column Joints with Circular Hoop Confinement , International Conference of "**Disaster management**", 23 &24 Jan 2014, C5: 1 to 5
2.	**Dr.P.Asha, "**Optimisation using design of experiments A Review, International Conference of **Sustainable innovative technology "ICSICT2014",** pg 227-233
3.	Rahul Ghosh. **H. Prasad Raju, "**Testing of a mathematical model for air pollution due o transportation. Proceedings of International Conference on "**Environmental Management and Green Technologies,**" 19-21 March 2014, pp 135-140.
4.	**H. Prasad Raju, C.Anand, "**Sustainable development through utilization of industrial wastes ground granulated blast furnace slag and sugarcane bagase ash in concrete Proceedings of International Conference on "**Environmental Management and Green Technologies,**" 19-21 March 2014, pp 87-91
5.	**K.Karthik, M.Anirudhan, G.Balaji** Traffic noise pollution modeling. Proceedings of International Conference on "**Environmental Management and Green Technologies,**" 19-21 March 2014, pp 216-224.

6.	**R.Vinoth Rajkumar,** Logeshkumaran, "A Experimental investigation on concrete by replacement of glass waste as fine aggregate. Proceedings of Inter National Conference on "**Environmental Management and Green Technologies,**" 19-21 March 2014, pp 197-201.
7	**P.Gomathi Nagajothi and T.Felixkala,** "Compressive Strength of Concrete Incorporated with E-Fibre Waste", International Conference of Environmental and Green Technologies, March 19-21, 2014, pp. 58-61
8	**P.Gomathi Nagajothi and T.Felixkala,** "Compressive Strength of Concrete Incorporated with E-Fibre Waste", International Conference on Advances in Civil Engineering and Chemistry of Innovative Materials – ACECIM, March 13th and 14th 2014, pp. 808-813
9	**C.Vaidevi and T.Felix Kala,** "Comparative Study on Workability of Self-Compacting Concrete and Normal Concrete", International Conference on Environmental Management and Green Technologies, March 19-21, 2014, pp. 78-80
10	**H.Prasad Raju and P.Partheeban,** " L160 Real Time Mobile Monitoring in Urban Areas by Using Solid State Gas Sensors" International Conference on Green Technology for Environmental Pollution and Control
11	**P.Asha, L.Shohaib Mohammed, J.Divya, T.Ranjith Kumar, V.Gowri Shankar,** "Optimization using Design of Experiments", International Conference on Sustainable and Innovative Construction Technologies (ICSICT – 2014)
2013	
1.	**R.VinothRaj Kumar**, P.Babu Kamaraj, C.A.Poornima, E.Sabareeshwar. "Study on durability of Geopolymer concrete subjected to environmental effects". National Seminar on Effective Utilization of Industrial Waste. August 8th and 9th, 2013, St.Peter's University, Chennai
2012	
1.	**P. Partheeban, R. Rani Hemamalini and H. Prasad Raju** Vehicular Emission Monitoring Using Internet GIS, GPS, and Sensors Proceedings of International Conference on"Environment, Energy, and Biotechnology," IPCBEE Vol.33 (2012) @ IACSIT Press, Singapore, pp81-85.
2008	
1.	**Gandhi, P., Satish Kumar, S.R., Meher Prasad, A., and Ramachandra Murthy, D.S**. "Fatigue crack growth studies on carbon steel pipes with surface notch", Interquadrennial Conference

	of International Congress on Fracture, Indian Institute of Science, Bangalore, Aug. 3-7, 2008, pp. 197-199

NATIONAL CONFERENCES

2015	
S.No	**Title**
1.	**A.Arivumangai and T.Felixkala,** " Study on Strength Properties of Concrete using manufactured Sand as fine aggregate", National Conference on Advances in Construction materials and Structures, 2015
2.	**A.Arivumangai and T.Felixkala,** " Experimental Research on Fire Resistance of Granite Powder Concrete", National Conference on Advances in Construction materials and Structures, 2015
3.	**K.B.Shoba, P.Pooraniya & P.Asha, "** Strengthening of PCC Beams using ECC", National Conference on Advances in Construction materials and Structures, 2015 pp75-78
4.	**CS Lakshmikanthan & R. Vinoth raj kumar** Experimental investigation of Cellular Light weight (CLC) by replacement of sand, National Conference on advances in construction materials and structures(ACMS) March 17&18- 2015, pp 94-96
5.	**B.Kalaiselvi Muthiah** Blast resistance structure, National Conference on **advances in construction materials and structures(ACMS)** March 17&18- 2015,pp 14-18
6.	**S. Vidhyalakshmi & R. Vinoth raj kumar** Experimental study on soil cement block, National Conference on **advances in construction materials and structures(ACMS)** March 17&18- 2015, pp 108-111
7.	**K. Karthik**, Addition of retardar in concrete and analysing the changes in the flexural and compressive strength, National Conference on **advances in construction materials and structures(ACMS)** March 17&18- 2015, pp112-121
8.	**Thangamanibindhu K., and Ramachandra Murthy D.S.,** An experimental investigation on performance of alkaline solution ratios for different molarity in geopolymer concrete, Naional Conference on Advances in Construction Materials and structures, St.Peter's University, March 17-18,2015 pp.101 – 104.
9.	**Ramachandra Murthy D.S,** "Design and construction of precast

	concrete structueres" key note paper National Seminar on Advanced construction Techniques and Geo Technical Engineering, St.Peter's College of Engineering and Technology, Feb 25-26,2015, pp. VII to XVIII.
10	**Anand.B and P. Asha,** "A comparative study on transmission tower using X-B & X-BX bracing system", National Conference on advances in construction materials and structures (NCACMS).pp19-23
11	**Bhanumathy.R.A and P.Asha,** "Experimental study on clay bricks and fly ash bricks prisms", National Conference on advances in construction materials and structures (NCACMS) pp28-32
12	**A.MAnikandan, Issac Prabhu Doss, Neha Tirkey and R.Vinoth Raj Kumar,** "Study on Self Copmpacting Concrete using manufactured sand as Replacement of Fine Aggregate", National Conference on advances in construction materials and structures (NCACMS). Pp59-62
13	**Naveen.D.C and S. Vidhyalakshmi,** "Study on effect of polypropylene as a partial replacement of Coarse aggregate on concrete", National Conference on advances in construction materials and structures (NCACMS).pp128-131
14	**Sugavaneswari.C and P. Asha,** "An experimental investigation of high strength concrete using steel fibres", National Conference on advances in construction materials and structures (NCACMS). Pp137-141
15	**P Asha , Ms E. Saranya Sri,** "Study on the behavior of Styrene Acrylic Polymer Concrete",National conference on Recent Advancement and in Civil Engineering at Velammal Engineering College 10.04.2015
16	**Ranjana Indhumathi.L and P.Asha,** "Experimental Investigation of Concrete with Steel Slag as replacement for fine aggregate", National Conference on advances in construction materials and structures (NCACMS) 2015, pp105-107.
S.No	**Title**
	2014
1.	**Dr. P. Asha,** Performance of Steel – Concrete Composite Bridge under Dynamic loads, National Conference on Modern Construction Materials and Technology , Nov 6-7, 2014, pg 28-41
2.	**Ramachandra Murthy D.S,** "Design and Construction of Refabricated Structures", National Conference on Modern

	Construction Materials and Technology, St.Peter's College of Engineering and Technology, Nov 06-07, 2014, pp.1-12.
3.	**Ramachandra Murthy D.S,** Thangamani Bindhu M.K., "Review on Fly ash based Geo Polymer Concrete", National Conference on Ongoing research in Civil Engineering, Dr.M.G.R.Educational and Research Institute, March 11-12,2014. Pp – 35-38
4	**P.Asha and V.Manjunath,** "Analytical investigation of retrofitting steel girder in ESP for elevated temperature", National Conference on Emerging trends in Civil Engineering, K.S.Rangasamy College of Technology,April 2014.
5	**A.Arivumanagai and T.Felix Kala**, "Durability Properties of Concrete: As an Overview", National Conference on On-going Research in Civil Engineering, 11tha & 12th 2014, pp. 80-89
6	**P.Gomathi Nagajothi and T.Felix Kala,** "E-Waste – Issues and Challenges", National Conference on On-going Research in Civil Engineering, 11tha & 12th 2014, pp. 26-33
7	**P.Asha and J.Gokulachitra,** "Performance of Steel – Concrete Composite Bridge Under Dynamic Loads" BRNS Sponsored National Conference on Modern Construction Materials and Technology, November 06-07-2014
2013	
1.	**H. Prasad Raju,** P. Guna, and L. Vinod Kumar, Utilization of Non-motorised vehicles at Urban Transport Points (Bus / Railway Stations) – A suitable remedy for Urban Air Pollution and Fuel Saving Proceedings of National Conference on "**Environmental Management and Green Technologies,**" 27-28 February 2013, pp 152-157.
2.	**Dr.P.Asha** Study of Strength Characteristics of Concrete with E-waste National Seminar on **Effective Utilisation of Industrial Waste**. August 8th and 9^{th,}, 2013, St.Peter's University, Chennai
3.	**Ramachandra Murthy D.S,** Maragathamani, "Fly Ash Based Geo Polymer Concrete Bricks – A Sustainabale Material for Building Construction", National Seminar on Effective Utilization of Industrial Waste, St.Peter's University, Aug 08-09,2013. pp.C4.
4.	**Ramachandra Murthy D.S, "**From Waste to wealth A Review of Effective Utilization of Industrial Wastes Key note Paper", National Seminar on Effective Utilization of Industrial Waste, St.Peter's University, Aug 08-09,2013. Pp.K4.

5.	**Thangamani Bindhu M.K and Ramachandra Murthy D.S,** "Review of Fly Ash Based Geo Polymer Concrete", National Seminar on Effective Utilization of Industrial Waste, St.Peter's University, Aug 08-09,2013. pp.C6.
6	**Pachaivannan, P., Prasad Raju, H. and Rani Hemamalini**, R. Air Pollution Monitoring Using GIS, GPS and Gas Sensors for Chennai City ATINER CONFERENCE PAPER SERIES No: ENV2013-0667, URL Conference Papers Series: www.atiner.gr/papers.htm, pp 5-18
7	**R.Vinoth Rajkumar, P.Babu Kamaraj, C.A.Poornima and E.Sabareeshwar,** "Study on durability of geopolymer concrete subjected to environmental effects", National Seminar on Effective Utilisation of industrial waste, St.Peters University, Aug 2013
8	**K.Karthik & S.Haribabu,** "Road safety and Traffic control using ITS", in National workshop on Advanced technology in Road safety management (CSIR & DRDO) organized by SPU on 4/1/2013 & 5/1/2013.
9	**H. Prasad Raju,** Most causes of Car (Auto Vehicle) Accidents, ways to avoid motorcycle accidents, helping road accident victims, roll of citizens, and first aid – compilation Proceedings of the National Workshop on "Advanced Techniques in Road Safety Management," 04-05 January 2013, pp120-139
2012	
1.	**Solomon Vimal, and H. Prasad Raju**, "Solutions to Transport Problems using swarm intelligence Proceedings of the National Conference on "Sustainable Transportation using ITS," St. Peter's College of Engineering and Technology, 16-17 February 2012, pp145-152
2.	**P. Partheeban, R. Rani Hemamalini and H. Prasad Raju**. Vehicular Emission Monitoring Using Internet GIS, GPS, and Sensors, National Conference **on Environment, Energy, and Biotechnology IPCBEE Singapore** Aug 2012, pg 81-85,
2011	
1	**Hemadri Prasad Raju,** "Effects of Air Pollution, Prevention and Control Methods, National Conference on "Urban Environmental Pollution and Public Health" on November 01-02, 2011, St. Peter's University.

2	**Hemadri Prasad Raju,** "Urban Solid Waste Management (Decentralized Eco-friendly Approach Method), National Conference on "Urban Environmental Pollution and Public Health" on November 01-02, 2011, St. Peter's University.
3	**S.Krishna Kumar,C.A.Poornima, M.Kavisri, B.Priyadharshini**. Trace element concentration in groundwater, Tuticorin city, TamilNadu, India. National conference on urban Environmental pollution and public health, Nov 01-02, 2011, St.Peter's University, Chennai
4	**Sony. P, C.A.Poornima,** "COPENHAGEN summit-Success or failure", Proceedings of the National conference on urban Environmental pollution and public health, Nov 01-02, 2011, St.Peter's University, Chennai.
2008	
1.	**Ramachandra Murthy D.S., and Partheeban P**., "Studies on Geopolymer concrete", Sixth Structural Engineering Convention (SEC–2008), Chennai, December 18-20, 2008, pp.1159-1168
2	**Gandhi, P., Satish Kumar, S.R., Meher Prasad, A., and Ramachandra Murthy, D.S.,** "Crack initiation and growth behaviour of surface cracked pipes – analytical and experimental investigations", Sixth Structural Engineering Convention (SEC–2008), 18-20 Dec. 2008, Chennai, pp.1359-1368
3	**Partheeban, P., I. Rathna Sheela and C. Chella Gifta**, "Study on bond characteristics of slag Based on High performance concrete", National Conference on Advances in steel, concrete , composite & Aluminum, 2008
4	**Priya Rachel, P., and P.Partheeban,** Utilization of granite power waste in Concrete & Mortar, National Conference on Advances in steel, concrete , composite & Aluminum, 2008
5	**Ramachandra Murthy, D.S**., "Alternate fuels – a scenario", National Workshop on Alternate Fuels – Challenges ahead, Chennai, Nov. 3-5, 2008

b. **Monographs** : Nil

c. **Chapters in Books** : Nil

d. **Edited Books / Proceedings** :

S.No	Proceedings
1.	Proceedings of the National Conference on Advances In Construction Materials and Structures, Dr.P.Asha, Dr. H.Prasad Raju, Mr. VinothRajKumar, St.Peter's University, March17-18 2015.
2.	Proceedings of the Workshop on Fire Safety, Dr.D.S Ramachandra Murthy and Mr. H.Prasad Raju, Oct 15, 2014.
3.	Proceedings of the International Conference on Disaster Management, Dr.D.S Ramachandra Murthy, Dr. P.Partheeben, Dr.P.Asha and Mr. H.Prasad Raju. St.Peter's University, Jan 23-24, 2014.
4.	Proceedings of the Pre-Conference Workshop on Disaster Management, Dr.D.S Ramachandra Murthy, Dr.P.Partheeben, Dr.P.Asha and Mr. H.Prasad Raju. St.Peter's University, Jan 21-22, 2014.
5.	Proceedings of the National Seminar on Effective Utilisation of Industrial Waste, Dr.D.S Ramachandra Murthy and Mr. H.Prasad Raju, . St.Peter's University, Aug 8-9, 2013.
6.	Proceedings of the Workshop on Structural Steel Design by Limit State Method, Dr.D.S Ramachandra Murthy and Dr. P.Partheeben, Nov 6-8, 2008.
7.	Proceedings of the Short term training program on Structural Steel Design, Dr.D.S Ramachandra Murthy and Dr. P.Partheeben, July 7-12, 2008.

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)** : 3

g. **Citation Index – range / average** : 2

h. **SNIP** : 1.5735

i. **SJ** : 1.066

j. **Impact Factor – range / average** : 0.042 – 2.359/ 1.3671

k. **h-index** : 14-16

l. **Total Impact Factor :** 33.0274

23. Details of Patents and income generated :

Nil

24. Areas of consultancy and income generated

S.No	Area of Consultancy Work	Institution	Period	Amount Generated
1	Test on Fly Ash based Geopolymer Concrete	Con-Tech Research Center	2013-2014	Free of Cost
2	Concrete Cube Testing	A.K. Construction	2012-2013	
3	Concrete Cube Testing	A.K. Construction	2012-2013	
4	Concrete Cube Testing	A.K. Construction	2011-2012	

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

Nil

26. Faculty serving in

a) National committees

S. No.	Name of the Faculty	Details
1.	Dr.D.S Ramachandra Murthy	• Dr.D.S Ramachandra Murthy a **Technical Advisory Committee member** for the International Conference on Disaster Management, Jan 23-24,2014 • Dr.D.S Ramachandra Murthy as a **Technical Advisory Committee member** for the National Seminar on Effective Utilisation of Industrial Waste, Aug 8-9, 2013

2.	Dr.P.Asha	• **Dr.P.Asha** as a **Technical Advisory Committee member** for the National Conference on Advances in Construction Materials and Structures on March 17-18, 2015 • **Dr.P.Asha** as a **Technical Advisory Committee member** for the National conference on Modern Construction Materials and Technology on Nov 6-7, 2014

b) International committees

S. No.	Name of the Faculty	Committee
1.	Dr.P.Asha	**Dr.P.Asha** as a **Technical Advisory Committee** for the International Workshop on Disaster Management
2.	Dr.H.Prasad raju	**Dr. H.Prasad** raju as a **Technical Advisory Committee** for the International Workshop on Disaster Management

c) Editorial Boards:

S. No.	Name of the Faculty	Reviewer in
1.	Dr.P.Partheeban	**Dr.P.Partheeban** as a **Reviewer** for the Scientia Iranica Journal
2.	Dr.P.Asha	**Dr.P.Asha** as a **Reviewer** for (i) Computers and Concrete (ii) Journal of Structural Mechanics (ii)International Journal of Civil Engineering (iii)International Journal of Earth Sciences and Engineering
3.	Dr.H.Prasad Raju	**Dr.H.Prasad Raju** as a **Co-Editor** for News Letter for the“ National Workshop on Disaster Management”

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

Year	FDP	Training Prog.	Workshops	Seminars	Conference
2015	4	-	2	-	2
2014	-	5	-	1	2
2013	-	-	-	1	3
2012	-	-	1	-	5
2011	-	-	3	3	3
Total	4	5	6	4	15

Works shops / training program details are given in below table

S. No.	Name of the faculty	Program	Period	Organized by
2011				
1	K.Karthik	Seminar on Design, Analysis and Health Assessment of Structures including Bridges	24.08.2011 to 26.08.2011	St.Peter's College Of Engineering and Technology
2	H.Prasad Raju	Seminar on Design, Analysis and Health Assessment of Structures including Bridges	24.08.2011 to 26.08.2011	St.Peter's College Of Engineering and Technology
3	H.Prasad Raju	Seminar on Urban Environmental Pollution and Public Health	01.11.2011 & 02.11.2011	St.Peter's University
4	K.Karthik	Seminar on Urban Environmental Pollution and Public Health	01.11.2011 & 02.11.2011	St.Peter's University
5	S.Krishna Kumar	Seminar on Urban Environmental Pollution and Public Health	01.11.2011 & 02.11.2011	St.Peter's University
2012				
6	H.Prasad Raju	International Conference on Sustainable Transportation using Its Applications	16.02.2012 & 17.02.2012	St.Peter's College Of Engineering and Technology
7	S.Krishna Kumar	International Conference on Sustainable	16.02.2012 &	St.Peter's College Of

		Transportation using Its Applications	17.02.2012	Engineering and Technology
8	K.Karthik	National Seminar on Intelligent Transportation System	02.04.2012 to 14.04.2012	St.Peter's College Of Engineering and Technology
		National Conference Latest Advancement in Civil Engineering-2012	21.04.2012	R.M.K Engineering College
		National Conference Advanced Construction Techniques and Geotechnical Engineering	25.08.2012 to 26.08.2012	St.Peter's University
		Conference on Quality Management System and Audit Training	July 2012	Creative Management Consultants
		Training Program on Motivation towards Teaching	11.08.2012	Dr.Kannan Girish Psychiatrist
		Training Program on Personality Re-Engineering	11.09.2012	Prof.Nazar Kamal IIT – Madras, Chennai
9	P.Babu Kamaraj	National Conference on Advanced Construction Techniques and Geotechnical Engineering	25.08.2012 to 26.08.2012	St.Peter's University
		Training Program on Motivation towards Teaching	11.08.2012	Dr.Kannan Girish Psychiatrist
		Training Program on Personality Re-Engineering	11.09.2012	Prof.Nazar Kamal IIT – Madras, Chennai
		Training Program on Personality Re-Engineering	02.09.2012	Dr.Nazar, IIT Madras
10	H.Prasad Raju	Training Program on Motivation towards Teaching	11.08.2012	St. Peter's University
		International Conference on Construction Techniques and Geotechnical Engineering	25.08.2012 to 26.08.2012	Dr.Kannan Girish Psychiatrist
		Training program on	11.08.2012	Prof.Nazar

		Motivation towards Teaching		Kamal IIT – Madras, Chennai
		Training program on Personality Re-Engineering	11.09.2012	Dr.Nazar, IIT Madras
11	S.Krishna Kumar	Training Program on Personality Re-Engineering	11.09.2012	Prof.Nazar Kamal IIT – Madras, Chennai
		Analytical and Technical Advancement in AAS and GC (WATA - AG)	24.01.2012 & 25.01.2012	Bharathidasan University
		Seminar on Intelligent Transportation System	02.04.2012 to 14.04.2012	St.Peter's College Of Engineering and Technology
		Training Program on Motivation towards Teaching	11.08.2012	Dr.Kannan Girish Psychiatrist
		Training Program on Personality Re-Engineering	11.09.2012	Prof.Nazar Kamal IIT – Madras, Chennai
		Training Program on Personality Re-Engineering	02/09/12	Dr.Nazar, IIT Madras
12	R.Vinoth Raj Kumar	Training Program on Motivation towards Teaching	11.08.2012	Dr.Kannan Girish Psychiatrist
		Training Program on Personality Re-Engineering	11.09.2012	Prof.Nazar Kamal IIT – Madras, Chennai
		Training Program on Personality Re-Engineering	02.09.2012	Dr.Nazar, IIT Madras
2013				
13	K.Karthik	Training Program on Concept development for inspiring innovation	01.10.2013	Dr.S.Gunasekaran, Dean (R&D)St.Peter's University
		International Conference on Environmental Management and Green	27.02.2013 & 28.02.2013	St.Peter's University

		Technologies		
		International Conference on Effective Utilization Of Utilization Of Industrial Wastes	08.08.2013 & 09.08.2013	St.Peter's University
		Training Program on Achieving academic excellence and high quality research	30.10.2013	Dr.D.S.Ramachandra Murthy, Vice chancellor St.Peter's University
14	P.Babu Kamaraj	Advanced Techniques in Road Safety Management	04.01.2013 & 05.01.2013	St.Peter's University
		National Conference on Effective Utilization Of Utilization Of Industrial Wastes	08.08.2013 & 09.08.2013	St.Peter's University
		Training Program on Achieving academic excellence and high quality research	30.10.2013	Dr.D.S.Ramachandra Murthy, Vice chancellor St.Peter's University
15	H.Prasad Raju	Training program on Concept development for inspiring innovation	01.10.2013	Dr.S.Gunasekaran, Dean (R&D)St.Peter's University
		Environmental Management and Green Technologies	27.02.2013 & 28.02.2013	St.Peter's University
		Effective Utilization Of Utilization Of Industrial Wastes	08.08.2013 & 09.08.2013	St.Peter's University
		Training Program on Achieving academic excellence and high quality research	30.10.2013	Dr.D.S.Ramachandra Murthy, Vice chancellor St.Peter's University
16	S.Krishna Kumar	Environmental Management and Green Technologies	27.02.2013 & 28.02.2013	St.Peter's University
		Seminar on Design and Construction of Precast Concrete Structures	28.01.2013 to 30.01.2013	St.Peter's College Of Engineering

				and Technology
		Training Program on Concept development for inspiring innovation	01.10.2013	Dr.S.Gunasekaran, Dean (R&D)St.Peter's University
		Environmental Management and Green Technologies	27.02.2013 & 28.02.2013	St.Peter's University
		Advanced Techniques in Road Safety Management	04.01.2013 & 05.01.2013	St.Peter's University
		Training Program on Achieving academic excellence and high quality research	30.10.2013	Dr.D.S.Ramachandra Murthy, Vice chancellor St.Peter's University
17	R.Vinoth Raj Kumar	International Conference on Environmental Management and Green Technologies	27.02.2014 & 28.02.2014	St.Peter's University
		Training Program on Concept development for inspiring innovation	01.10.2013	Dr.S.Gunasekaran, Dean (R&D)St.Peter's University
		National Conference on Environmental Management and Green Technologies	27.02.2014 & 28.02.2014	St.Peter's University
		Effective Utilization Of Utilization Of Industrial Wastes	08.08.2013 & 09.08.2013	St.Peter's University
		Training Program on Achieving academic excellence and high quality research	30.10.2013	Dr.D.S.Ramachandra Murthy, Vice Chancellor St.Peter's University
18	G.Charan Raj	Effective Utilization Of Utilization Of Industrial Wastes	08.08.2013 & 09.08.2013	St.Peter's University
		Training Program on Achieving academic excellence and high	30.10.2013	Dr.D.S.Ramachandra Murthy, Vice

		quality research		chancellor St.Peter's University
19	P.Sampath	Effective Utilization Of Utilization Of Industrial Wastes	08.08.2013 & 09.08.2013	St.Peter's University
		Training Program on Concept development for inspiring innovation	01.10.2013	Dr.S.Gunasekaran, Dean (R&D)St.Peter's University
20	P.Asha	Effective Utilization Of Utilization Of Industrial Wastes	08.08.2013 & 09.08.2013	St.Peter's University
		Training Program on Achieving academic excellence and high quality research	30.10.2013	Dr.D.S.Ramachandra Murthy, Vice chancellor St.Peter's University
2014				
21	P.Asha	National Conference on Advanced Construction Techniques and Geotechnical Engineering	25.02.2015 & 26.02.2015	St.Peter's College Of Engineering and Technology
		International Conference on Environmental Engineering and Green Technologies	19.03.2015 to 21.03.2014	St.Peter's College Of Engineering and Technology
		Training Program on Awareness lecture on income tax, professional tax, provident fund and employees state insurance	07.04.2014	Mr.Sabarish, Auditor St.Peter's University
		Training Program on Teaching – Learning process	08.04.2014	Dr.L.Maheshkumar, Director (Academic)St. Peter's University
		Training Program on Preparing project proposal	10.04.2014	Dr.D.S.Ramachandra Murthy, Vice chancellor
		Training Program on of	21.04.2014	St.Peter's

		Students in present environment		University
		Training Program on New Facility materials characterization using Spectroscopy	28.04.2014	Dr.S.Gunasekara Dean R&D, St.Peter's University
		Training Program on Academic and Research program for 2014-15	18.06.2014	Dr.D.S.Ramachandra Murthy Vice Chancellor Dr.L.Maheshkumar, Director (Academic) Dr.M.Shanmugam, Registrar, SPU
		Training Program on Nanotechnology-Technology for the future	20.06.2014	Dr.A.Thangaraja, Asso.Prof., Bio-Tech Dept., SPU
		Training Program on Innovative Teaching Methodology	10.11.2014	Dr.P.V.Senthil Head – Department of Mechanical, SPU
		Training Program on How to Instill Quality in Technical Education – Practical Approach	01.12.2014	Prof.Dr.N.S.Venkataraman Former Dean & Director, MIT, Anna University and Former Director, TIFAC, DST, Government of India
		National Conference on Advances	17.03.2015 & 18.03.2015	St.Peter's University
		Faculty Training Programme on Euntreprenuership	20.04.2015 to 02.05.2015	DST

22	G.Charan Raj	Workshop on Disaster Management	21.01.2014 & 22.01.2014	St.Peter's University
		International Conference on Environmental Engineering and Green Technologies	19.03.2014 to 21.03.2014	St.Peter's College Of Engineering and Technology
		Awareness lecture on income tax, professional tax, provident fund and employees state insurance	07.04.2014	Mr.Sabarish, Auditor St.Peter's University
		Training Program on Teaching – Learning process	08.04.2014	Dr.L.Maheshkumar, Director (Academic)St. Peter's University
		Training Program on Preparing project proposal	10.04.2014	Dr.D.S.Ramachandra Murthy, Vice chancellor
		Training Program on Management of Students in present environment	21.04.2014	St.Peter's University
		Training Program on New Facility materials characterization using Spectroscopy	28.04.2014	Dr.S.Gunasekara Dean R&D, St.Peter's University
		Training Program on Academic and Research program for 2014-15	18.06.2014	Dr.D.S.Ramachandra Murthy Vice Chancellor Dr.L.Maheshkumar, Director (Academic) Dr.M.Shanmugam, Registrar, SPU
		Training Program on Nanotechnology-Technology for the future	20.06.2014	Dr.A.Thangaraja, Asso.Prof., Bio-Tech Dept., SPU
23	S.Krishna	Workshop on Disaster	21.01.2014	St.Peter's

	Kumar	Management	& 22.01.2014	University
		International Conference on Environmental Engineering and Green Technologies	19.03.2014 to 21.03.2014	St.Peter's College Of Engineering and Technology
		Awareness lecture on income tax, professional tax, provident fund and employees state insurance	07.04.2014	Mr.Sabarish, Auditor St.Peter's University
		Training Program on Teaching – Learning process	08.04.2014	Dr.L.Mahesh kumar, Director (Academic)St. Peter's University
		Training Program on Preparing project proposal	10.04.2014	Dr.D.S.Ramachandra Murthy, Vice chancellor
		Training Program on Management of Students in present environment	21.04.2014	St.Peter's University
		Training Program on New Facility materials characterization using Spectroscopy	28.04.2014	Dr.S.Gunasekara Dean R&D, St.Peter's University
		Training Program on Academic and Research program for 2014-15	18.06.2014	Dr.D.S.Ramachandra Murthy Vice Chancellor Dr.L.Mahesh kumar, Director (Academic) Dr.M.Shanmugam, Registrar, SPU
		Training Program on Nanotechnology-Technology for the future	20.06.2014	Dr.A.Thangaraja, Asso.Prof., Bio-Tech Dept., SPU
24	K.Karthik	Workshop on Disaster Management	21.01.2014 &	Dr.K.Kantharaj, Former Joint

			22.01.2014	Director(Tamil Nadu State Aids Control Society), Dean (Bio-Medical), SPU
		International Conference on Environmental Engineering and Green Technologies	19.03.2014 to 21.03.2014	St.Peter's College Of Engineering and Technology
		National Conference on Modern Construction Materials and Technology	06.03.2014 & 07.03.2014	St.Peter's College Of Engineering and Technology
		Awareness lecture on income tax, professional tax, provident fund and employees state insurance	07.04.2014	Mr.Sabarish, Auditor St.Peter's University
		Teaching – Learning process	08.04.2014	Dr.L.Mahesh kumar, Director (Academic)St. Peter's University
		Preparing project proposal	10.04.2014	Dr.D.S.Ramachandra Murthy, Vice chancellor
		Management of Students in present environment	21.04.2014	St.Peter's University
		New Facility materials characterization using Spectroscopy	28.04.2014	Dr.S.Gunasekara Dean R&D, St.Peter's University
		Academic and Research program for 2014-15	18.06.2014	Dr.D.S.Ramachandra Murthy Vice Chancellor Dr.L.Mahesh kumar, Director (Academic) Dr.M.Shanmu

				gam, Registrar, SPU
		Nanotechnology-Technology for the future	20.06.2014	Dr.A.Thangaraja, Asso.Prof., Bio-Tech Dept., SPU
		Workshop on Fire Safety	15.10.2014	St.Peter's University
		Innovative Teaching Methodology	10.11.2014	Dr.P.V.Senthil, Head – Department of Mechanical, SPU
		How to Instill Quality in Technical Education – Practical Approach	01.12.2014	Prof.Dr.N.S.Venkataraman Former Dean & Director, MIT, Anna University and Former Director, TIFAC, DST, Government of India
25	P.Sampath	Workshop on Disaster Management	21.01.2014 & 22.01.2014	Dr.K.Kantharaj, Former Joint Director(Tamil Nadu State Aids Control Society), Dean (Bio-Medical), SPU
		International Conference on Environmental Engineering and Green Technologies	19.03.2014 to 21.03.2014	St.Peter's College Of Engineering and Technology
		National Conference on Modern Construction Materials and Technology	06.03.2014 & 07.03.2014	St.Peter's College Of Engineering and Technology
		Awareness lecture on income tax, professional tax, provident fund and employees state insurance	07.04.2014	Mr.Sabarish, Auditor St.Peter's University

		Teaching – Learning process	08.04.2014	Dr.L.Mahesh kumar, Director (Academic)St. Peter's University
		Preparing project proposal	10.04.2014	Dr.D.S.Ramachandra Murthy, Vice chancellor
		Management of Students in present environment	21.04.2014	St.Peter's University
		New Facility materials characterization using Spectroscopy	28.04.2014	Dr.S.Gunasekara Dean R&D, St.Peter's University
		Academic and Research program for 2014-15	18.06.2014	Dr.D.S.Ramachandra Murthy Vice Chancellor Dr.L.Mahesh kumar, Director (Academic) Dr.M.Shanmugam, Registrar, SPU
		Nanotechnology-Technology for the future	20.06.2014	Dr.A.Thangaraja, Asso.Prof., Bio-Tech Dept., SPU
		Workshop on Fire Safety	15.10. 2014	St.Peter's University
		Innovative Teaching Methodology	10.11.2014	Dr.P.V.Senthil Head – Department of Mechanical, SPU
		How to Instill Quality in Technical Education – Practical Approach	01.12.2014	Prof.Dr.N.S.Venkataraman Former Dean & Director, MIT, Anna University and

				Former Director, TIFAC, DST, Government of India
26	H.Prasad Raju	Workshop on Disaster Management	21.01.2014 & 22.01.2014	Dr.K.Kanthara j, Former Joint Director(Tami l Nadu State Aids Control Society), Dean (Bio-Medical), SPU
		International Conference on Environmental Engineering and Green Technologies	19.03.2014 to 21.03.2014	St.Peter's College Of Engineering and Technology
		National Conference on Modern Construction Materials and Technology	06.03.2014 & 07.03.2014	St.Peter's College Of Engineering and Technology
		Awareness lecture on income tax, professional tax, provident fund and employees state insurance	07.04.2014	Mr.Sabarish, Auditor St.Peter's University
		Teaching – Learning process	08.04.2014	Dr.L.Mahesh kumar, Director (Academic)St. Peter's University
		Preparing project proposal	10.04.2014	Dr.D.S.Ramac handra Murthy, Vice chancellor
		Management of Students in present environment	21.04.2014	St.Peter's University
		New Facility materials characterization using Spectroscopy	28.04.2014	Dr.S.Gunasek ara Dean R&D, St.Peter's University
		Academic and Research program for 2014-15	18.06.2014	Dr.D.S.Ramac handra Murthy

				Vice Chancellor Dr.L.Maheshkumar, Director (Academic) Dr.M.Shanmugam, Registrar, SPU
		Nanotechnology-Technology for the future	20.06.2014	Dr.A.Thangaraja, Asso.Prof., Bio-Tech Dept., SPU
		Workshop on Fire Safety	15.10. 2014	St.Peter's University
		Innovative Teaching Methodology	10.11.2014	Dr.P.V.Senthil Head – Department of Mechanical, SPU
		How to Instill Quality in Technical Education – Practical Approach	01.12.2014	Prof.Dr.N.S.Venkataraman Former Dean & Director, MIT, Anna University and Former Director, TIFAC, DST, Government of India
27	S.Vidhyaalakshmi	Innovative Teaching Methodology by Dr.P.V.Senthil, Head – Department of Mechanical, SPU	10.11.2014	St.Peter's University
		How to Instill Quality in Technical Education – Practical Approach	01.12.2014	St.Peter's University
28	C.S.Lakshmi Kanthan	Innovative Teaching Methodology by Dr.P.V.Senthil, Head – Department of Mechanical, SPU	10.11.2014	St.Peter's University
		How to Instill Quality in Technical Education –	01.12.2014	St.Peter's University

		Practical Approach		
29	M.Kalaiselvi	Innovative Teaching Methodology by Dr.P.V.Senthil, Head – Department of Mechanical, SPU	10.11.2014	St.Peter's University
		How to Instill Quality in Technical Education – Practical Approach	01.12.2014	St.Peter's University
2015				
30	P.Asha	National Conference on Advanced Construction Techniques and Geotechnical Engineering	25.02.2015 & 26.02.2015	St.Peter's College Of Engineering and Technology
		National Conference on Advances in Construction Materials and Structures	17.03.2015 & 18.03.2015	St.Peter's University
		Faculty Training Programme on Euntreprenuership	20.04.2015 to 02.05.2015	DST
		Assessment and Accreditation of Universities – By NAAC By Dr.D.S.Ramachandra Murthy Vice Chancellor	09.04.2015	St.Peter's University
31	K.Karthik	National Conference on Advanced Construction Techniques and Geotechnical Engineering	25.02.2015 & 26.02.2015	St.Peter's College Of Engineering and Technology
		National Conference on Advances in Construction Materials and Structures	17.03.2015 & 18.03.2015	St.Peter's University
32	H.Prasad Raju	National Conference on Advanced Construction Techniques and Geotechnical Engineering	25.02.2015 & 26.02.2015	St.Peter's College Of Engineering and Technology
		National Conference on Advances in Construction Materials and Structures	17.03.2015 & 18.03.2015	St.Peter's University
33	P.Sampath	National Conference on Advanced Construction Techniques and Geotechnical Engineering	25.02.2015 & 26.02.2015	St.Peter's College Of Engineering and

				Technology
		National Conference on Advances in Construction Materials and Structures	17.03.2015 & 18.03.2015	St.Peter's University
34	S.Vidhyaalakshmi	National Conference on Advanced Construction Techniques and Geotechnical Engineering	25.02.2015 & 26.02.2015	St.Peter's College Of Engineering and Technology
		National Conference on Advances in Construction Materials and Structures	17.03.2015 & 18.03.2015	St.Peter's University
35	C.S.Lakshmi Kanthan	National Conference on Advanced Construction Techniques and Geotechnical Engineering	25.02.2015 & 26.02.2015	St.Peter's College Of Engineering and Technology
		National Conference on Advances in Construction Materials and Structures	17.03.2015 & 18.03.2015	St.Peter's University
36	M.Kalaiselvi	National Conference on Advanced Construction Techniques and Geotechnical Engineering	25.02.2015 & 26.02.2015	St.Peter's College Of Engineering and Technology
		National Conference on Advances in Construction Materials and Structures	17.03.2015 & 18.03.2015	St.Peter's University
		Faculty Training Programme on Euntreprenuership	20.04.2015 to 02.05.2015	DST
		Assessment and Accreditation of Universities – By NAAC By Dr.D.S.Ramachandra Murthy Vice Chancellor	09.04.2015	St.Peter's University

28. Student projects

- percentage of students who have done in – house projects Including inter-departmental projects

Year	% of students who have done in-house projects including inter departmental/ programme	% of students placed for projects in organizations outside the institution i.e. in Research laboratories / Industry/ other agencies
	B.E Projects	
2013-2014	100%	-
2012-2013	100%	-
2011-2012	100%	-
	M.E Projects (Structural Engineering)	
2014-2016	100%	-
2013-2015	100%	-
2012-2014	100%	-
2011-2013	100%	-

- **percentage of students doing projects in collaboration with other universities / industry / institute :** Nil

29. Awards / recognition received at the national and international level by

a. **Awards and Recognition of Faculty**

S.No	Faculty name	Awards Received
1.	**Dr.P.Asha**	• **Key Note** addressed in the International Conference on Environmental Engineering and Green Technologies on March 19-21, 2014 conducted by St.Peter's College Of Engineering and Technology • **Key Note** addressed in the National Conference on Advanced Construction Techniques and Geotechnical Engineering on Feb 25-26, 2015 conducted by St.Peter's College Of Engineering and Technology • As a **session chair** for the National conference on Modern Construction

		Materials and Technology on Nov 6-7, 2014 conducted by St.Peter's College Of Engineering and Technology • **Keynote address** in International Conference on Disaster Management, January 23-24, 2014, St.Peter's University, Chennai.

b. **Doctoral / Post doctoral fellows**

S.No	Registration No	Name of the PhD scholar	Title of the Thesis
1.	SP14CED503	K.B.Shoba	Study on Concrete with ECC

c. **Awards and Recognition of Students**

S. No.	Name	Activity	Organized by	Period	Award Recievd
1	Prasanna Kumar	Surprise Event-National Level Technical symposium,2014	St. Peter's College of Engineering and Technology	2015	I
2	Nivash Manohar	Technical Quiz, 8th &9th Sep, 2014	St. Peter's University	2015	II

30. Seminars / Conferences / Workshops organized & the source of funding,

Academic Year	Seminars	Conferences	Workshops
2010-2011	-	-	-
2011-2012	-	1	-
2012-2013	-	-	-
2013-2014	1	1	1
2014-2015	-	1	1
Total	1	3	2

S.No	Title of the program and period	Convener/ Coordinator	Funding Agency
1	National Conference on Urban Environmental pollution and Public Health (01.11.2011 &02.11.2011)	Mr. H.Prasad raju Dr. S. Krishnakumar	CSIR and ICMR.
2	National Seminar on Effective utilization of Industrial waste (08.08.2013 & 09.08.2013)	Dr. D. S.Ramachandra Murthy Mr. H.Prasad raju	CSIR.
3	National workshop on Fire safety 15.10.2014	Dr. D. S.Ramachandra Murthy Mr. H.Prasad raju	St Peters University
4	National Conference on Advances in Construction Materials and structures 17.03.2015 & 18.03.2015	Dr. P. Asha Mr. R. Vinoth raj kumar	Sofeel, R&D Properties Hitech India
5	International Workshop on Disaster Management 21.01.2014 & 22.01.2014	Dr.D.S.Ramachandra Murthy Dr. P. Partheeban Dr. P. Asha Mr. H.Prasad raju	BRNS, DST, IMO, TNCST and CADD CAMM Solutions
6	International Conference of Disaster management 23.01.2014 & 24.01.2014	Dr.DS.Ramachandra Murthy Dr. P. Partheeban Dr. P. Asha Mr. H.Prasad raju	BRNS, DST, IMO, TNCST and CADD CAMM Solutions

31. Code of ethics for research followed by 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.

- Conducting the Doctoral Committee meeting with subject experts only.
- Researchers have an obligation to protect research participants wherever possible from significant harm consequent upon the research.
- To encourage research scholars to perform the fair research practice.
- The confidentiality of information supplied by research participants and any agreement to grant anonymity to respondents should be respected.
- To encourage research scholars to perform the work innovatively that benefits the society.
- 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
- Avoid the pyration of the research work.

32. Students profile programme-wise.

Name of the Programme (refer to question no.4)	**Applications Received**	**Selected**		**Pass Percentage**	
		Male	**Female**	**Male**	**Female**
B.E – Civil Engineering					
2012-2016	57	38	10	-	-
2011-2015	52	32	8	100	100
2010-2014	48	40	05	97.67	100
2009-2013	90	66	21	100	100
2008-2012	160	133	13	100	100
M.E. – Structural Engineering					
2014-2016	20	14	3	100	100
2013-2015	30	21	7	100	100
2012-2014	31	22	5	100	100
2011-2013	3	2	1	100	100
Ph.D					

2008– 2009	2	-	1	-	-
2009-2010	2	-	-	-	-
2010-2011	2	-	1	-	-
2011-2012	3	2	1	-	-
2012-2013	9	3	3	-	-
2013-2014	10	7	1	-	-
2014-2015	5	1	2	-	-

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**
M.E Structures (2010 – 2012)	Nil	100%	Nil	Nil
M.E Structures (2011 – 2013)	Nil	100%	Nil	Nil
M.E Structures (2012 – 2014)	11%	89%	Nil	Nil
M.E Structures (2013 – 2015)	11%	89%	Nil	Nil
M.E Structures (2014 – 2016)	Nil	100%	Nil	Nil

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations?. Give details category-wise.

Nil

35. Student Progression:

Student Progression	**Percentage against enrolled**							
	2008 - 2009	**2009 - 2010**	**2010 - 2011**	**2011 - 2012**	**2012 - 2013**	**2013 - 2014**	**2014 - 2015**	**2015 - 2016**
UG to PG	16.5 %	22%	15%	Nil	Nil	Nil	Nil	Nil
PG to M.Phil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
PG to Ph.D.	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Ph.D to Post Doctoral	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Employed *Campus Selection * Other than Campus recruitment	Nil 82.5 %	Nil 76%	Nil 84%	Nil 84%	1% 85%	Nil 80%	Nil 90%	Nil 90%
Entrepreneurs	1%	2%	1%	1%	2%	1%	2%	2%

36. Diversity of staff:

Percentage of faculty who are graduates						
Year	**2010 - 11**	**2011 - 12**	**2012 - 13**	**2013 - 14**	**2014 - 15**	**2015 - 16**
of the same university	Nil	8%	8%	NIL	NIL	NIL
from other universities within the state	100%	69%	67%	67%	75%	60%
from universities from other states	NIL	23%	25%	33%	25%	40%
from universities outside the country	NIL	NIL	NIL	NIL	NIL	NIL

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

Period	Programme		
	M.Phil	**Ph.D**	**D.Sc.**
2008-09	-	-	-
2009-10	-	-	-
2010-11	-	-	-
2011-12	-	1	-
2012-13	-	-	-
2013-14	-	-	-
2014-15	-	1	-
2015-16	-	1	-

38. Present details of departmental infrastructural facilities with regards to

a) Library – Our department has a library having,

- 203 text books
- 11 conference proceedings
- 9 Lab Manuals
- 37 Students Project reports
- 17 Question Banks
- 56 Students Project CDs
- NPTEL Lectures
- Central Library having about 2282 books related to Civil Engineering.

b) Internet facilities for staff and student – YES

- Name of the Internet Provider : NKN + BSNL
- Available Band Width : 1 GB PS least line 1:1 OFC

c) Total number of class rooms - 07

d) Class rooms with ICT facility - YES

- 1 (with OHP & LCD)

e) Students laboratories - 07

S. No.	LAB NAME
1	Hydraulic Engineering Lab
2	Strength of Materials Lab
3	Soil Mechanics Lab
4	Concrete and Highway Engineering Lab
5	Environmental Engineering Lab
6	Survey Lab
7	CADD Lab

1. HYDRAULIC ENGINEERING LABORATORY

List of Equipments Available

S.No	Description Of Equipment	Quantity Available
1	Orifice	Make: Almech Diameter=15mm, 2HP Pump make: Ideal Company
2	Notch apparatus	Make: Almech 2HP Pump Pump make: Ideal Company
3	Venturi meter	Make: Almech D1=38,D2=25,D3=20, Pump make: Ideal Company Capacity: 2HP Pump
4	Orifice meter	Make: Almech D1=23,D2=15,D3=12, 2HP Pump Pump make: Ideal Company
5	Jet pump	Make: Almech 2 HP Pump Pump make: Ideal Company
6	Pipe friction apparatus	Make: Almech D1=22mm, D2=20mm,D3=18mm, Pump make: Ideal Company
7	Losses in pipeline apparatus	Make: Almech D1=22mm, D2=20mm,D3=18mm, 2HP Pump Pump make: Ideal Company
8	Pelton turbine	Make: Almech Capacity: 5 HP Pump make: Ideal Company

9	Francis turbine	Make: Almech Capacity: 5 HP Pump make: Ideal Company
10	Kaplan turbine	Make: Almech Capacity: 5 HP Pump make: Ideal Company
11	Centrifugal pump	Make: Almech Capacity: 2 HP Pump make: Ideal Company
12	Reciprocating pump	Make: Almech Capacity: 1 HP Pump make: Ideal Company

2. STRENGTH OF MATERIALS LABORATORY

List of Equipments in Laboratory:

S.No.	Description Of Equipment	Quantity Available
1	UTM of minimum 400 KN capacity	1
2	Torsion testing machine for steel rods	1
3	Charpy impact testing machine	1
4	Hardness testing machine Rockwell Brinnel	2
5	Beam deflection test apparatus	1
6	Extensometer	1
7	Compressometer	1
8	Spring Testing Machine	1
9	Dial gauges	1
10	Compression testing Machine 100 Tonnes	1

3. CONCRETE AND HIGHWAY ENGINEERING LABORATORY

List of Equipments Available

S.No.	Description Of Equipment	Quantity Available
1	Le Chatelier's apparatus	2
2	Vicat's apparatus	3
3	Mortar cube moulds(7cmx7cm)	7
4	Concrete cube moulds(15cmx15cm)	15
5	Concrete cube moulds(10cmx10cm)	12
6	Concrete cylinder moulds	3

7	Concrete Prism moulds	3
8	Pycnometer	2
9	Sieves	2 set
10	Concrete mixer(at site)	1
11	Slump cone	3
12	Flow table	1
13	Vibrator(at site)-1.5HP motor	1
14	Trowels and planers(at site)	1 set
15	UTM – 400 KN capacity	1
16	Vee Bee Consistometer	1
17	Aggregate Impact testing machine	1
18	CBR Apparatus	1
19	Blain's Apparatus	1
20	Gauging Trowel	2
21	Bond	2
22	Brick Mould(190x90x90mm)	6
23	Shovel	1
18	CBR Apparatus	1
19	Blain's Apparatus	1
20	Gauging Trowel	2
21	Bond	2
22	Brick Mould(190x90x90mm)	6
23	Shovel	1

4. SOIL MECHANICS LABORATORY

List of Equipments Available

S.No	Description Of Equipment	Quantity Available
1	Sieves	2 sets
2	Hydrometer	1 set
3	Liquid and plastic limit apparatus	1 set
4	Shrinkage limit apparatus	3 sets
5	Proctor compaction apparatus	2 sets
6	Direct shear apparatus	1
7	Field density measuring device	2
8	Triaxial shear apparatus	1
9	Three gang consolidation test device	1

5. SURVEY LABORATORY

List of Equipments Available

S.No	Description Of Equipment	Quantity Available
1	Theodolites	7
2	Dumpy level	6
3	Plain table	6
4	Pocket stereoscope	1
5	Ranging rods	34
6	Leveling staff	6
7	Cross staff	6
8	Chains	16
9	Tapes	10
10	Arrows	200
11	Total station	1

6. CADD LAB

List of Software:

S.No	Description of Equipment	Quantity Available
1	AutoCAD 2004	30 Nos.
2	GT Strudle	10 Nos.
3	ANSYS	10 Nos.

- **No of Terminals : 30 Nos**

RESEARCH LABORATORY

7. STRUCTURAL ENGINEERING LABORATORY

List of Equipments Available

S.No	Description of Equipment	Quantity Available
1.	50 ton loading frame	1 No
2.	Pan Mixer	1 No
3.	Table Vibrator	1No.
4.	Hydraulic jack 25 ton capacity with hand pump	1 No
5.	Load cell – compression type – 25 ton	1 No
6.	16 channel data acquisition system	1 No
7.	Rebound Hammer	1 No
8.	Digital Demec gauge	1 No

f) Research laboratories – 01

S.No.	LAB NAME
1.	Structural Engineering Laboratory

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

a) **from the host institution / university** : 1 Student

S.No	Reg. No	Name of the Scholar
1	SP12CED029	Mr.K.Karthik

b) **from other institutions / universities** : 10 Students

S.No	Reg. No	Name of the Scholar
1	SP14CED501	Murali Krishnan S
2	SP14CED502	Anusuya V
3	SP14CED503	Shoba K B
4	SP13CE134	Mr.M.Lingaraj
5	SP13CE139	Mr.M.Majilesh
6	SP13CE140	Mr.D.Hari Krishnan
7	SP13CE502	Ms.M.Kalaiyarasi
8	SP12CED048	Ms.P.Gomathi Nagajothi
9	SP12CED111	Mr.M.Manikandan
10	SP10CEDB89	Ms.M.K.Thangamani Bindhu

40. Number of post graduate students getting financial assistance from the university:

No post graduate students get financial assistance. However, UG students are given financial assistance.

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

- Building technology helps Engineers to learn the basic principles of building construction and supervision skills.
- Effective construction planning including budget preparation, methods to prevent delays etc. can be studied and implemented effectively.
- Construction management technology combines aspects of business and engineering, as well as construction. Professionals in this field typically work as construction managers who oversee the implementation of large and small residential and commercial projects. Some of their job duties include handling, project scheduling, controlling costs and overseeing other construction workers. These skills can also be developed by studying building technology and construction management programme.

42. Does the department obtained feedback from

a. **Faculty on curriculum as well as teaching – learning – evaluation? If yes, how does the department utilize the feedback?**

Yes. Steps will be considered for implementation of certain needs mentioned after consulting with Vice-chancellor and Director (Academic).

b. **Students on staff, curriculum - teaching – learning – evaluation and how does the department utilize the feedback?**

Steps will be considered for implementation of needs of students with regards to their curriculum and co-curricular activities mentioned after consulting with Vice-chancellor and Director (Academic).

c. **Alumni and employers on the programmes offered and how does the department utilize the feedback?**

Steps will be considered for implementation of good suggestions mentioned in their feedback form after consulting with Vice-chancellor and Director (Academic).

43. List the distinguished alumini of the department

S.No	Name of Alumni	Batch	Company/Institution	Position
1	C. Mageshwaran	2012	Chinna Thambi Contract	Proprietor
2	V. Elancheran	2012	Vengan Engineering Contract	Proprietor
3	Solomon Vimal	2012	UNESCO	JPO
4	V. Johny	2012	Swansea University – U.K	Student - M.S
5	Vaishali. M	2013	CIT - Coimbatore	Student – M.E
6	Guna. P	2013	CEG – Chennai	Student – M.E
7	D. Varun Kumar	2013	Great Lakes Business - Management School	Student – M.B.A
8	R. Bala Subramaniam	2013	Gokul Foundations	Proprietor
9	V. Karthikeyan	2014	First Solution Private Limited	Design Engineer
10	V. Aiswarya Lakshimi	2014	CEG – Campus	Student – M.E
11	A. Manikandan	2014	St. Peters College of Engineering & Technology	Student – M.E

44. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts.

Academic Year	Special Lectures	Workshop	Seminar	Others
2010-2011	2	-	-	-
2011-2012	1	-	-	2
2012-2013	2	-	-	-
2013-2014	1	-	-	1
2014-2015	1	-	-	-

S. No.	Event Name	Period	External Expert	Topics delivered
1	Guest Lecture	20.09.2010	T.Prakash Asst. Manager, B&F division, L & T	Contract documents and bidding procedure for construction industry
2	Guest Lecture	16.02.2011	Dr. K. Ravichandran Professor, CWR ,CEG Anna University	Water and Ecosystem
3	Guest Lecture	10.08.2011	V.Duraisamy Anand M.D., Bostnic Software, USA	Entrepreneurship development skills for Civil Engineering
4	Guest Lecture	10.01.2012	S.Charulatha Head/Training, KKM soft, Chennai.	Advanced software's for constructions
5	Guest Lecture	15.03.2012	Mr. K . Balasubramanian MD- Hightech Concrete solutions	NDT Evaluation of concrete structures
6	Guest Lecture	03.09.2012	S.Veeramani Chief Engineering manager, L & T ECC Division	Analysis of Concrete structures
7	Guest Lecture	07.03.2013	Anith Rajan Senior Planning Engineer, SriVisthara infrastructure	Emerging trends in Civil Engineering
8	Guest Lecture	05.02.2014	Mr. R. Sudhakar MD CADD CAM Solutions	Latest technologies in CAE &CAD
9	Guest Lecture	17.02.2014	Mr. Kannan L&T ECC Division	Highway Geometrics
10	Guest Lecture	14.03.2015	Dr. N.Gopalakrishnan Chief Scientist Structural Engineering Research Center	smart mate rials

PLACEMENT TRAINING ORGANIZED FROM 2010-2015			
1	Live Life Curriculum for 1st, 2nd and 3rd year students	2012-2013	Dr. Kannan Girish Psychiatrist, Ms.Jennifer
2	Training on Analytical and communication skills for final year students	2012-2013	Smart Training Resources Pvt. Ltd, Chennai
3	Live Life Curriculum for 1st year students	2013-2014	Dr. Kannan Girish Psychiatrist, Ms.Jennifer
4	Training on Analytical and communication skills for final year students	2013-2014	Smart Training Resources Pvt. Ltd, Chennai
5	Training on Analytical and communication skills for final year students	2014-2015	Smart Training Resources Pvt. Ltd, Chennai
6	Training on Analytical and communication skills for final year students	2015-2016	Smart Training Resources Pvt. Ltd, Chennai

45. Teaching methods adopted by the faculty for different programmes.

- Lecturing with assistance of black board and chalk.
- Power point presentation using LCD projectors.
- Industrial exposure through Industrial visit to various Industries.
- Encouraging student to participate in symposiums and seminars.
- Organizing workshops.
- Conducting conference.
- Organizing In plant training for students.
- Presentation of technical videos to students.
- Organize the guest lecture of experts from various organizations
- EDUSAT Program
- NPTEL Lectures

Course	**OHP/LCD**	**Internet/ Intranet**	**Role Play**	**Working Model/Visual Charts**	**Digital Library**	**Video Lectures**
III SEM						
Engineering Geology	√				√	
Construction Materials	√			√	√	√
Mechanics ofsolids	√			√	√	
Mechanics of fluids	√	√			√	
Transforma and partial Differential Equations	√	√	√		√	
Survey-I	√	√	√		√	
Computer aided Building Drawing lab						
Survey LAB-I						
IV SEM						
Numerical methods	√				√	
Environmental science and Engineering	√	√			√	√
Soil Mechanics	√	√		√	√	√
Strength of Materials	√				√	√
Applied HydraulicEngineering	√	√			√	√
Surveying-II	√			√	√	√
Survey lab-II						
Appliedhydraulics lab						
Strength of Materials lab						
V SEM						
Structural analysis-I	√				√	
Construction Techniques and	√			√	√	√

practices						
Highway Engineering	√				√	
Environmental Enginering-I	√	√			√	
Foundation Engineering	√	√		√	√	√
Design of RC Elements	√		√		√	
Concrete & Highway lab	√				√	√
Soil Mechanics laboratory	√				√	
Survey camp						
VI SEM						
Design of reinforced concrete and brick masonry structures	√				√	
Structural analysis-II	√				√	
Design of steel structures	√	√		√	√	√
Railway airport and harbor Engineering	√	√		√	√	√
Environmental Engineering -II	√	√		√	√	
Remote sensing and GIS Technique	√	√		√	√	
Environmental Engineering laboartory	√			√	√	
Comunication and soft skills lab	√	√		√		√
VII SEM						
Traffic Engg. and Management	√	√		√	√	√
Ground improvement techniques	√	√		√	√	√
Structural Dynamics and	√				√	

Earthquake engineering						
Prestressed concrete structures	√	√		√	√	√
Water resource and Irrigation Engineering	√	√		√	√	√
Computer Aided Design and drafting lab	√				√	
Estimation and quantity surveying Lab	√				√	
Design Project	√				√	
VIII SEM						
Principles of Management	√	√			√	√
Repair and Rehabilitation of structures	√				√	
Prefabricated structures	√	√		√	√	
Project	√				√	

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 Industrial visit to various fields to gain practical knowledge for the students after studying the theory subjects.
- By conducting model exam at the end of fifth unit before university exams
- By making the students to present the technical papers in conference
- By conducting re test for the students those who score less than 50% in the subjects.

47. Highlight the participation of student and faculty in extension activities.

1. **Lectures delivered outside**

S.No	Faculty Name	Programme	Period
1	Prof. Dr. P. Asha	International Conference of Disaster management	23.01.2014 & 24.14.2015
2	Prof. Dr. P. Asha	Key note addressed in National conference on Modern Construction Materials and Technology	06.11.2014 & 07.11.2014
3	Prof. Dr. P. Asha	Key note addressed in Workshop on Resarch Methodology	17.10.2014
4	Prof. Dr. P. Asha	Advance concrete technology in National Seminar on Advance concrete technology and Geotechnical Engineering	25.02.2015 & 26.02.2015

2. Students participation/presentation of paper in seminars, symposia etc.

S.No.	Name of the Student & Class	Event	Period
1	Paramasivam Guna IV yr	Symposium "RESONANCA11" at Rajalakshmi Engineering College Thandalam	22.09.2011 & 23.09.2011
2	Dinesh Kumar .S IV yr	Symposium "RESONANCA11" at Rajalakshmi Engineering College Thandalam	22.09.2011 & 23.09.2011
3	Beatrus Angel .B IV yr	Symposium "RESONANCA11" at Rajalakshmi Engineering College Thandalam	22.09.2011 & 23.09.2011
4	Chandan Maity IV yr	Symposium "RESONANCA11" at Rajalakshmi Engineering College Thandalam	22.09.2011 & 23.09.2011
5	Mohan Dass .V IV yr	Symposium "RESONANCA11" at Rajalakshmi Engineering College Thandalam	22.09.2011 & 23.09.2011

6	Solomon Vimal IV yr	International Conference "ICEEB2012" Kuala Lumpur Malaysia	05.05.2012 & 06.05.2012
June2012- May2013			
7	Sridevi .V III Yr	"Concuiz12" at Vellammal Engineering College	28.09.2012
8	Sabereeswar .E III Yr	Symposium "CIVIZISM13" at JEPPIAAR ENGINEERING COLLEGE	05.03.2013
9	Arun .I III Yr	Symposium "AAKRITT13" at MGR University	2013
10	Gowri shanker .V III Yr	Symposium "AAKRITT13" at MGR University	2013
11	Sohaib Mohammed III Yr	Symposium "AAKRITT13" at MGR University	2013
12	Ranjit Kumar .T III Yr	Symposium "AAKRITT13" at MGR University	2013
13	Samuel rajan .D III Yr	Symposium "AAKRITT13" at MGR University	2013
June2013- May2014			
14	Karthik. H IV yr	National Seminar on effective Utilisation of Industrial Waste at SPU	08.08.2013 & 09.08.2013
15	Nagaraj. G IV yr	National Seminar on effective Utilisation of Industrial Waste at SPU	08.08.2013 & 09.08.2013
16	Karthikeyan .V IV yr	National Seminar on effective Utilisation of Industrial Waste at SPU	08.08.2013 & 09.08.2013
17	Manikandan. A IV yr	National Seminar on effective Utilisation of Industrial Waste at SPU	08.08.2013 & 09.08.2013
18	Issac Prabhu Doss .R IV yr	National Seminar on effective Utilisation of Industrial Waste at SPU	08.08.2013 & 09.08.2013

19	Pill Tamia IV yr	National Seminar on effective Utilisation of Industrial Waste at SPU	08.08.2013 & 09.08.2013
20	Raja prabhu .M IV yr	National Seminar on effective Utilisation of Industrial Waste at SPU	08.08.2013 & 09.08.2013
21	Vijayalayan .D IV yr	National Seminar on effective Utilisation of Industrial Waste at SPU	08.08.2013 & 09.08.2013
22	Saddhaam . I IV yr	National Seminar on effective Utilisation of Industrial Waste at SPU	08.08.2013 & 09.08.2013
23	Salman .A IV yr	National Seminar on effective Utilisation of Industrial Waste at SPU	08.08.2013 & 09.08.2013
24	Serindhayani .F IV yr	National Seminar on effective Utilisation of Industrial Waste at SPU	08.08.2013 & 09.08.2013
June2014- May2015			
25	Sree Yogesh III yr	Symposium "COLOSSEUM 2K14" at RMK	09.08.14
26	Kader moosa naina III yr	Symposium "COLOSSEUM 2K14" at RMK	09.08.14
27	Baskar III yr	Symposium "COLOSSEUM 2K14" at RMK	09.08.14
28	Prasanna Kumar III yr	Symposium "SPECKLES 2K14 " at SPCET	18.09.14
29	Nivas Maanohar II Yr	Symposium "AAKRITI 14" at MGR University	08.09.2014 & 09.09.2014
30	Ragavendar J II Yr	Symposium "AAKRITI 14" at MGR University	08.09.2014 & 09.09.2014
31	Akash RS II Yr	Symposium "AAKRITI 14" at MGR University	08.09.2014 & 09.09.2014

NSS

S.No.	Name of the Student & Class	Activity	Date
1.	Narayanan.V	NSS CAMP	21.02.15 to 27.02.15

2.	D.R.Sugadev	Clean India Campaign (SWACHH BHARAT)	09.01.15
3.	R.S.Akas	Clean India Campaign (SWACHH BHARAT)	09.01.15
4.	C.Sivaraman	Clean India Campaign (SWACHH BHARAT)	09.01.15
5.	J. Raghavenda	Clean India Campaign (SWACHH BHARAT)	09.01.15
6.	S.J.S. Josiah John Samuel	Clean India Campaign (SWACHH BHARAT)	09.01.15
7.	K.Umesh	Clean India Campaign (SWACHH BHARAT)	09.01.15
8.	R.Surya	Clean India Campaign (SWACHH BHARAT)	09.01.15
9.	M. Nivash Manohar	Clean India Campaign (SWACHH BHARAT)	09.01.15
10.	E.Gunasekaran	Clean India Campaign (SWACHH BHARAT)	09.01.15
11.	S.Sabari	Clean India Campaign (SWACHH BHARAT)	09.01.15
12.	R.Rajesh	Clean India Campaign (SWACHH BHARAT)	09.01.15
13.	G.R.Ashwin Barath	Clean India Campaign (SWACHH BHARAT)	09.01.15
14.	J.P.Nishanth	Clean India Campaign (SWACHH BHARAT)	09.01.15
15.	P.R.Yeshwanth Sai	Clean India Campaign (SWACHH BHARAT)	09.01.15
16.	S.Deepak Paul Daniel	Clean India Campaign (SWACHH BHARAT)	09.01.15
17.	V.Gowtham	Clean India Campaign (SWACHH BHARAT)	09.01.15
18.	Narayanan.V	Clean India Campaign (SWACHH BHARAT)	09.01.15

3. Faculty Papers presented in Seminar / Conferences / Symposium

S.No	Title of the Paper & Author	Name of the Conference	Proceeding Page no.
(June2011- May2012)			
1	Solutions to Transport Problems using swarm intelligence by Mr. H. Prasad Raju,	National Conference on "Sustainable Transportation using ITS Feb 16&17 -2012 SPCET	145-152
(June2012- May2013)			
2	Vehicular Emission Monitoring Using Internet GIS, GPS, and Sensors by P. Partheeban, R. Rani Hemamalini and H. Prasad Raju	Environment, Energy, and Biotechnology IPCBEE Singapore Aug 2012	81-85.
3	Most causes of Car (Auto Vehicle) Accidents, ways to avoid motorcycle accidents, helping road accident victims, roll of citizens, and first aid – compilation by H. Prasad Raju	Advanced Techniques in Road Safety Management 04&05 Jan -2013 SPU	120-139
(June2013- May2014)			
4	Study on durability of Geopolymer concrete subjected to environmental effects by Mr R.Vinoth raj kumar, P.Babu Kamaraj, C.A.Poornima	National Seminar on Effective Utilisation of Industrial Waste. August 8th and 9th,, 2013 SPU	C21: 1 to 6
5	Study of Strength Characteristics of Concrete with E-waste by Dr.P.Asha.	National Seminar on Effective Utilisation of Industrial Waste Aug 8&9 -2013 SPU	C10: 1 to 6
6	Seismic study on Beam-Column Joints with Circular Hoop Confinement by Dr. P. Asha	International Conference of Disaster management JAN 23 &24 2014 at SPU	C5: 1 to 5

7	Traffic noise pollution modelling by K.Karthik	Environmental Management and Green Technologies 19-21 March 2014	216-224.
8	Experimental investigation on concrete by replacement of glass waste as fine aggregete by R.Vinoth raj kumar	Environmental Management and Green Technologies," 19-21 March 2014	197-201.
9	Real Time Mobile Monitoring in Urban Areas by using Solid State Gas Sensors by Mr. H. Prasad Raju and Dr. P.Partheeban	ICGTEPC-2014 NIT- Trichy	102
(June2014- May2015)			
10	Performance of Steel – Concrete Composite Bridge under Dynamic loads, by Dr. P. Asha, Ms Gokulachitra	Modern Construction Materials and Technology , Nov 6-7, 2014	28-41
11	Optimisation using design of experiments A Review Dr.P.Asha, Shohaib, Divya, Ranjith, Gowri Shankar.	International conference of sustainable innovative technology "ICSICT2014"	227-233
12	Advanced Construction Techniques by Dr. P. Asha	National Seminar on Advanced Construction Techniques and Geotechnical Engineering, 25-26 Feb 2015.	XXXIX to XLIII
13	Blast resistance structure by B.Kalaiselvi Muthiah	National Conference on advances in construction materials and structures(ACMS) March 17&18- 2015	14
14	Study on SCC using manufactured sand by Mr. R. Vinoth raj kumar	(ACMS) March 17&18- 2015	59
15	Experimental investigation of Cellular Light weight (CLC) by replacement of sand by Mr.	(ACMS) March 17&18- 2015	94

	CS Lakshmikanthan & Mr. R. Vinoth raj kumar		
16	Experimental study on soil cement block by Mrs S. Vidhyalakshmi & Mr. R. Vinoth raj kumar	(ACMS) March 17&18- 2015	108
17	Addition of retardar in concrete and analysing the changes in the flexural and compressive strength by Mr. K. Karthik.	(ACMS) March 17&18- 2015	112

4. PG Students Papers presented in Seminar / Conferences / Symposium

S.No	Title of the Paper & Author	Name of the Conference	Proceeding Page no.
	(June2014- May2015)		
1	Experimental investigation of concrete with steel slag as replacement for fine aggregate by L. Ranjana Indumathi and Dr P. Asha	National Conference on advances in construction materials and structures(ACMS) March 17&18- 2015	105
2	Experimental study on soil cement block by Benedict Reuben, S. Vidyalakshmi and R. Vinothraj Kumar	(ACMS) March 17&18- 2015	108
3	Study on effect of polypropylene as a partial replacement of course aggregate on concrete by D.C. Naveen and S. Vidyalakshmi	(ACMS) March 17&18- 2015	128
4	A comparative study on transmission tower using X-B & X-BX bracing system by Mr. B. Anand and Dr. P. Asha	(ACMS) March 17&18- 2015	19
5	Experimental study on clay bricks and fly ash bricks prisms by Ms. R.A. Bhanumathy and Dr. P. Asha	(ACMS) March 17&18- 2015	28
6	Strengthening of PCC beams using ECC by K.B. Shoba, P. Pooraniya, and Dr. P. Asha	(ACMS) March 17&18- 2015	75

7	An experimental investigation of high strength concrete using steel fibres by C. Suganeswari, and Dr. P. Asha	(ACMS) March 17&18 - 2015	137

48. Give details of " beyond syllabus scholarly activities" of the department

- EDUSAT and NPTEL Lecture videos were delivered to the students.

(A) In-plant Training is arranged for students as per details given below:

S. No.	Student Name	Company Name	Period
1.	K.Adithya	KHB – H.R. at Surya Nagar, Phase – 1, Bangalore	22.05.2014 to 20.06.2014
2.	Hunlang Biam	Construction of roads and culverts(preparation of estimates) Shillong N.H	15.05.2014 to 24.06.2014
3.	Barisha Kharjana	Construction of roads and culverts(preparation of estimates) Shillong N.H	15.05.2014 to 24.06.2014
4.	Bawansuk Wahalang	Govt. of Meghayala PWD Roads, Shora	26.05.2014 to 17.06.2014
5.	T.Shri Yoogesh	Bridge & EMARR residential site ECCI, Chennai	19.05.2014 to 06.06.2014
6.	M.Sathish Kumar	Bridge & EMARR residential site ECCI, Chennai	19.05.2014 to 06.06.2014
7.	M.M. Kader Moosa Naina	Bridge & EMARR residential site ECCI, Chennai	19.05.2014 to 06.06.2014
8.	Shohaib Mohammed.L	M/s ACC Ltd. RMC	02.06.2014 to 07.06.2014

9.	Arun.I	M/s ACC Ltd. RMC	02.06.2014 to 07.06.2014
10.	Divya.J	M/s ACC Ltd. RMC	02.06.2014 to 07.06.2014
11.	Shohaib Mohammed.L	Mars Infra Construction	21.05.2014 to 31.05.2014
12.	Ranjith Kumar.T	Mars Infra Construction	21.05.2014 to 31.05.2014
13.	Jagan.N	Mars Infra Construction	21.05.2014 to 31.05.2014
14.	Ramachandran.R	NLC – Civil services	19.05.2014 to 26.05.2014
15.	Mageshwari.N	ILB Ramesh Homes Pvt. Ltd.	22.05.2014 to 22.06.2014
16.	Balu	Vaibalakshmi Construction	03.06.2014 to 20.06.2014
17.	Baskar	Vaibalakshmi Construction	03.06.2014 to 20.06.2014
18.	Madhubala.R	Vaibalakshmi Construction	03.06.2014 to 20.06.2014
19.	Andrews Prasanna kumar	L & T (B&F) sector, Prestige bella vista project, Kattupakkam	09.06.2014 to 24.06.2014
20.	Kokila.R	Goodwill Construction	12.05.2014 to 28.05.2014
21	S.T. Tagru	PWD, Naharlagun,Sub-Division-IV	15.05.2014 to 22.06.2014
22	R. Sasi Kumar	URC Construction Pvt.Ltd	19.05.2014 to 28.05.2014
23	S. Baskar	Vaita Engineering Construction Pvt.Ltd	28.05.2014 to 03.06.2014

24	B.Dinesh	Vaita Engineering Construction Pvt.Ltd	28.05.2014 to 03.06.2014
25	N.Jagadish	Vaita Engineering Construction Pvt.Ltd	28.05.2014 to 03.06.2014
26	Habeeb Ur Rahman	Topline Construction	02.06.2014 to 1.06.2014
27	Ajmal Kadersha	RENAATUS Projects Pvt.Ltd	16.06.2014 to 25.06.2014
27	G.Preety	PWD, Naharlagun,Sub-Division-IV	15.05.2014 to 22.06.2014
28	U. Malini	Suresh and Company	20.05.2014 to 29.05.2015
29	A. Abdul Azeez	RENAATUS Projects Pvt.Ltd	16.06.2014 to 25.06.2014
30	Tameem Ansari	RENAATUS Projects Pvt.Ltd	16.06.2014 to 25.06.2014
31	P.Prasanna kumar	Highway Research Station	16.05.2014 to 27.05.2014
32	S.Baskar	R&D Property Developers	06.05.2015 to 04.06.2015
33	T. Shree Yoogesh	HOCHITIEF(INDIA) Pvt.Ltd	21.05.2015 to 20.06.2015

(B) Industrial visits are arranged for students as per details given below:

S.No.	**Batch / Year (B.E)**	**Date**	**Place of Visit / Company**
2011 – 2012			
1	III / V A & B sections	23.08.2011	Water Treatment Plant at Red Hills, Chennai,
2	IV / VII, A section	11.10.2011	SERC, Taramani, Chennai.
3	IV / VII, B section	12.10.2011	SERC, Taramani, Chennai.

2012-2013			
1	II / III	20.07.2012	Building expo exhibitrtion at Chennai Trade centre
2	IV / VII, A section	28.08.2012	SERC, Taramani, Chennai.
3	IV / VII, B section	30.08.2012	SERC, Taramani, Chennai.
4	III / V	14.09.2012	Poondi Dam
2013 – 2014			
1	III / V	17.09.2013	Water Treatment Plant, Chambarambakam
2	II / III,	19.09.2013	L & T, Constructions
. 3	IV / VII,	26.09.2013	SERC, Taramani, Chennai.
. 4	II/IV	13.03.2014	Highway Research station, Chennai
2014 - 2015			
. 1	II/IV	19.02.2015	L & T Steel Service Centre, Chennai
2015-2016			
. 1.	II/III	21.07.2015	Utracon Structural Pvt., Ltd., Chennai

(C) Symposium is arranged for students as per details given below:

S. No.	Name of Symposium	Date	Chief Guest
1.	SMEATONZ - 2011	09.10.2011	Dr. Felix Kala, Professor/Civil, Dr. MGR University
2.	SMEATONZ – 2012	26.09.2012	Mr. C. Velan, Chief Executive Officer TRIL Info Park Ltd.
3.	SMEATONZ – 2013	11.10.2013	Mr. M. Gopinath Chief Engg. Manager L&T ECC Ltd.
4.	SMEATONZ – 2014	16.10.2014	Mr. O. Arivazhagan Chief Executive Officer IIPM, Chennai.

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

ISO certified 9001:2008 by TUVSUD – South Asia Pvt., Ltd., for Quality Management Systems

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

- Introduced new electives like Disaster Management.
- National conferences and workshop covering various specializations of Civil Engineering have been conducted.
- Most of the faculty members have published papers in National/International journals. Apart from this, the key note address of experts has also enriched the knowledge of faculty and students.
- Completed projects in new areas like Geopolymer Concrete
- Dissemination and Educating on Disaster Management.

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

STRENGTHS:

- Highly educated and dedicated teaching and non-teaching staff
- Well equipped laboratories and other infrastructure like well furnished class rooms and seminar hall with LCD and OHP projectors.
- One to one computer systems available for individual student practice of civil engineering softwares like AutoCAD and ANSYS (shared with mechanical department).
- Good teaching-learning processes with good percentage of pass every year.
- Students are encouraged to attend for inplant training during winter and summer vacations.
- Guest lectures by subject experts and need based Industrial visits are arranged for all students.
- Expertise in Advanced Construction Technology, Pre – Fabrication and disaster management.
- Strong Research base created and research carried out.
- Several Project proposals were submitted.

WEAKNESSES:

- Inadequate language skills in students.

OPPORTUNITIES:

- 'Make in India and Smart Cities development' gives more opportunity in developing the country in creating infrastructure and hence great opportunities for Civil Engineers.
- Infrastructure investment of the Rs.70000 Cr is expected in the coming year on railways and roads.
- There are lot of proposals on development of infrastructure like roads, bridges, metro railways in cities, smart cities and funds investment in the power sector.
- Great opportunity for research in many areas of Civil Engineering.

CHALLENGES

- Motivating slow learners to perform well.
- Placement drive.
- Obtain funds for Research projects.

52. Future plans of the department:

- To increase entrepreneurship.
- To achieve better placement.
- To improve teaching-learning process on a regular basis using modern technology.

PHOTO GALLERY
LABORATORY

Hydraulic
Engineering Laboratory

Kaplan turbine

Universal Testing Machine

Hollow Block Machine

Soil Laboratory

Mixer Machine

Total station

Loading Frame

Conference / Seminar Photos

National Conference on Urban Environmental Pollution and Public health Nov- 2011

Preconference workshop on Disaster management 21.01.2014

International conference on Disaster management 23.01.2014

National Seminar on Effective utilization of Industrial Waste.

National Conference on Advances in Construction materials and Structures

Guest Lecture Photos

Guest Lecture On "Soft Skills For Civil Engineers" - KKM Soft Pvt., Ltd., Chennai - 16.07.2015

Guest Lecture On "Pre – Disaster Awareness And Education For Rural People Aarupadai Veedu

Symposium

SMEATONZ – 2K14 , 16.10.2014