

PROFILE

Name : **Dr. V. SYAM PRAKASH**
 Date of Birth : 28.05.1960
 Highest Qualification : Ph. D.
 Communication Address : "SYAMA", RG 123, Medical College P.O., Pongummood,
 Thiruvananthapuram-695011.

Academic Performance

<i>Sl. No.</i>	<i>Qualification</i>	<i>Board/ University</i>	<i>Year of Passing</i>	<i>Specialization</i>	<i>Class/ Grade</i>	<i>Remarks</i>
1.	BSc Engg	University of Kerala	1982	Civil Engg.	I Class	
2.	M.Tech	University of Roorkee	1990	Building technology and construction management	I Class with Distinction	Secured Gold Medal
3.	Ph.D	IIT Madras	1995	-do-		

Conference/Seminars organised

<i>Sl.No.</i>	<i>Title/ Topic</i>	<i>Year & Duration</i>
1	Analysis, Design and Construction of Concrete Composite structure (ADC.COMS)	2004, 2 weeks
2	National Conference on Technological Trends	2007, 2 days
3	Special Concretes	2007, 5 days
4	Mix Design Procedures	2008, 2 days
5	Laboratory Practices in Structural Engineering	2008, 2 days
6	Testing of Building Materials	2008, 2 days
7	Laboratory Practices in Structural Engineering	2008, 2 days
8	Advances in Concrete Technology & Mix Design Procedures	2008, 2 days
9	National Conference on Technological Trends	2008, 2 days
10	Laboratory Practices in Structural Engineering	2008, 2 days
11	Workshop on Research Methodology	2010, 3 days
12	11 th National & 1 st International Conference on Technological Trends	2010, 3 days
13	International Conference on Modeling and Simulation in Civil Engineering	2011, 3 days

14	Avenues in Technical Education for the Hearing impaired/Visually challenged	2012, 2 days
----	---	--------------

Conference / Seminars Attended Abroad

<i>Sl.No.</i>	<i>Title/Topic</i>	<i>Year & Duration</i>	<i>Organised</i>
1	32 nd Conference on Our World in Concrete Structures	2007 2 days	Singapore
2	Challenges in Facing Natural Hazards for Future Engineering Practice	2008 3 days	International Conference on Civil Engineering, Malaysia

Administration

<i>Sl. No.</i>	<i>Type</i>	<i>Position held</i>	<i>Duration</i>
1	In charge of Structural Engineering Laboratory	Lab-in-charge	1995-97
2	In charge of PTA of CET	Secretary	1998-01
3	In charge of Centre for Continuing Education of CET	Manager	2002-05
4	In charge of Centre for Foreign Students Affairs of CET	Professor-in-charge	2003-05
5	In charge of SM laboratory	Lab in charge	2001 onwards
6	Academic Nodal officer TEQIP	Nodal officer	2005
7	Warden of the Hostels	Warden	2009
8	Professor in charge of UG and PG programme	Professor	
9	Coordinator for Accreditation of UG and PG courses	Coordinator	February/March 2007
10	Public Information Officer of the College	Public Information Officer	2 years
11	ICTT 2010	Departmental Coordinator	
12	International Conference on Materials, Mechanics and Management 2010	Departmental Coordinator	
13	Civil Engineering Department	Head of Department	2013
14	Government College of Engineering	Principal	12 Years
15	Directorate of Technical Education	Joint DTE	Since 4.11.15

Other Achievements

- i) CET-ISTE Research Award 2009.**
- ii) CET-ISTE Best teacher award 2008.**
- iii) Produced 5 Ph.Ds.**
- iv) Submitted 1 Ph.D**

Papers Published Since 2006

1. "Flexural Analysis of Laminated Composite plates: Evaluation of Discrete layer model", International Conference on Computational Mechanics and Simulations (ICCMS-06), December 2006.
2. "Evaluation of an Unconstrained Higher order shear deformation Model", International Conference on Recent Developments in Structural Engineering (RDSE-07), August 2007.
3. "Comparative study of Higher Order Models for Analysis of Laminated Composite Plates", International Conference on Advanced Materials and Composites (ICAMC-07), October-2007.
4. "Assessment of Computational Models for Laminated Composite Plates" International Journal of Computational Methods. Vol. 4, No. 4 pp-633-644 December 2007.
5. "Performance Evaluation of Bonding Agents for Concrete Repair", National Conference on Recent Trends in Infrastructure- RETID 2007, 24-25 January 2007, PSG College of Technology & Association of Consulting Civil Engineers(I), Coimbatore.
6. "Performance Evaluation of Modern Repair Materials", FACE, National Conference on Focussing on Advances in Civil Engg., T.K.M. College of Engg., Kollam, 1-3 February, 2007.
7. "Stability of Functionally Graded Plates according to Zeroth order Shear Deformation Theory", Sixth Structural Engineering Convention SEC 2008, December 2008.
8. "Free Vibration Analysis of Laminated Plates using a higher order Layer wise Theory", Sixth Structural Engineering Convention SEC 2008, December 2008.
9. "Effect of Steel Fibres in Self Compacting Concrete using M-Sand", Proceedings of National Conference on Technological Trends, College of Engineering, Trivandrum, (NCTT-'08) November 2008, pp.179-184
10. "Self Compacting concrete using Manufactured sand as fine aggregate", Proceedings of CI- Premier 4 th International Conference on "The Concrete Future" at Coimbra, Portugal, June 2009, pp.287-295
11. "Stability of Composite laminated plates according to a layer wise Higher order Shear Deformation Theory", International Conference on Computational Methods in Engineering and Sciences IC-CMES 09, January 2009.
12. "Free Vibration Analysis of Symmetrical Laminates using an Unconstrained Third order Plate Theory", International Conference on Computational Methods in Engineering and Sciences IC-CMES 09, January 2009
13. "Study of the Behaviour of Reinforced Self Compacting Concrete slabs", Proceedings of the International Conference on Advances in Concrete, Structural and Geotechnical Engineering at BITS, Pilani, October 2009 pp.223 (ACSGE-2009)
14. "Buckling and Free Vibration analyses of Anti symmetric cross ply laminates based on Higher order theories", International Conference on Technological Trends ICTT 2010, November 2010.
15. "Stability and Vibration Analyses of Symmetric Laminated Based on Higher order Theories", Advances in Vibration Engineering-An international Journal, Volume 9, No 4 pp 297-310, December 2010.
16. "Experimental Study on Fracture Parameters of Cement Mortar", International Conference on Technological Trends ICTT 2010, November 2010.

17. "Behaviour of Fibre Reinforced Self Compacting Concrete Two Way Slabs", Proceedings of the International Conference on Materials, Mechanics and Management, College of Engineering, Trivandrum, January 2010 (IMMM2010) pp.122-128
18. "Flexural Behaviour of Fibre Reinforced Self Compacting Concrete", Proceedings of The International Conference on Materials, Mechanics and management, College of Engineering, Trivandrum, January 2010 (IMMM2010).
19. "A Higher order Shear Deformation model for functionally graded plates", International Conference on Technological Trends, (ICTT-2010), CET, Trivandrum, November 2010.
20. "Performance Evaluation of Bonding Agents in Concrete Repair", Paper presented at Asian conference on Ecstasy in Concrete- ACECON 2010, 5-9 Dec 2010, IIT MADRAS Chennai.
21. "Performance of Styrene-Butadiene-Rubber in Concrete Repair – An Experimental Study" –Paper presented in the international conference ICTT 2010, 25-27 November 2010, College of Engineering Trivandrum
22. "Steel-to-Concrete Bond in Concrete Repairs -- An Experimental Study", Paper presented in Seventh Structural Engineering Convention 2010 (SERC), 8-10 December 2010, Annamalai University, Chidambaram
23. "A Higher order Model for Functionally graded Plates", International Conference on Technological Trends ICTT 2010, CET Trivandrum, November2010
24. "An Experimental Investigation on Fibre Reinforced Self compacting Concrete One Way Fixed Slabs", Proceedings of the Second International Conference on the Materials for Future (ICMF 2011),Govt. Engineering College, Thrissur, February 2011, pp.24
25. "Properties of Steel Fibre Reinforced Self Compacting Concrete", Advances in Materials and Trends for Infrastructure Development(AMTID2011),NIT Calicut.
26. "Effect of Steel Fibres in Self Compacting Concrete Beam Column Joint" Proceedings of National Conference on Technological Trends, College of Engineering, Trivandrum, (NCTT-2011).
27. "Effect of temperature variation on the mechanical and fracture properties of refractory cement", Proceedings of National Conference on Technological Trends, College of Engineering, Trivandrum, (NCTT-2011)
28. "Role of Sodium Silicate on the Cube Strength of Refractory Cement at Elevated Temperatures" Int. JI. of Earth Sciences and Engineering, Vol. 04, No.6, October 2011, pp 864-866.
29. "Role of Sodium Silicate on the Compressive Strength of Cement Paste at Elevated Temperatures", International Conference on Modeling & Simulation in Civil Engg -2011 Proceedings page no. 109-114.
30. "A Survey of Common Defects in buildings and repair methods adopted", INDIAN CONCRETE JOURNAL, April 2012, Vol.86, No.4, pp 49-55
31. "Performance of Styrene Butadiene Rubber as a Concrete Repair material in Tropical Climate", International Journal of Advancements in Research and Technology", November, 2012. (www.ijoart.org)
32. "Role of Mineral Admixtures on Compressive Strength of Refractory Cement at Elevated Temperature" accepted for presentation, ICCE-2012, December 6-7, 2012, Penang, Malaysia.

33. "A Modified bond Wrench test for Evaluating Bond Strength of Concrete Repairs", International Journal of Engineering Research and Technology (IJERT), January 2013.
34. "Mechanical and Fracture Properties of Blended Refractory Cement at High Temperature", Paper communicated to Cement and Concrete Research.
35. "Fracture Energy of Rice Husk Ash Blended Refractory Cement at Elevated Temperatures", Paper communicated to Indian Concrete Journal.
36. "Concrete filled Steel tubes", International Conference on Fibre Composite, Chennai, January 8-10, 2004.

Short Term Courses Coordinated

1. Coordinator and faculty of the short term training programme on "Special Concrete", sponsored by TEQIP in 2007.
2. Coordinator for the "Work shop on Research Methodology" under the visiting faculty scheme in 2010
3. Coordinator and faculty, "Work shop on the Training Need Analysis of Polytechnic Colleges of Kerala", Conducted for the Principals and Senior faculty of Polytechnic Colleges.
4. Coordinator and faculty, "Work shop on the Training Need Analysis of Engineering Colleges of Kerala", Conducted for the Principals and Senior faculty of Engineering Colleges.
5. Coordinator and faculty, "Environmental Science and Disaster Management", Polytechnic College teachers of Kerala (Four such courses conducted).
6. Coordinator, "Health & Physical Education", Polytechnic College Physical Education teachers of Kerala.
7. Coordinator and faculty, "Advances in Concrete Technology", Polytechnic College Civil Engineering teachers of Kerala
8. Coordinator, "Python Programming", Polytechnic College teachers of Kerala (Three such courses conducted)
9. Coordinator and faculty, "Workshop on Accreditation by NBA for Polytechnics", Polytechnic College teachers of Kerala
10. Coordinator and faculty, "Soft Skills", Polytechnic College teachers of Kerala
11. Coordinator and faculty, "Concrete Technology and Mix Design", Polytechnic College Civil Engineering teachers of Kerala
12. Coordinator and faculty, "Professional Developments of Faculty", Polytechnic College teachers of Kerala
13. Coordinator, "Informatics Practices", Polytechnic College teachers of Kerala
14. Coordinator and faculty, "General Engineering", Polytechnic College teachers of Kerala (Two such courses conducted).
15. Coordinator, "Energy Management and Audit", Polytechnic College Electrical Engineering teachers of Kerala
16. Coordinator, "Open Source Software KOHA", Polytechnic College Librarians of Kerala

17. Coordinator and faculty, “Instructional Design and Delivery System” for the Polytechnic teachers of Kerala which has been conducted in the Web cast mode at three centres of Kerala; Thiruvananthapuram, Kalamassery and Kozhikode.
18. Coordinator and faculty, “Instructional Design and Delivery System” for the teachers of SCT College of Engineering, Thiruvananthapuram.
19. Coordinator for the “Workshop for developing Laboratory manual for Electrical Engineering” for the Polytechnic teachers of Kerala.
20. Coordinator and Faculty for the “Workshop for Developing Laboratory Manual for Materials testing lab” for the Polytechnic teachers of Kerala.

Other assignments

1. Manager of Centre for Continuing Education – Discharging duties as the manager of Centre for Continuing Education, which is functioning well and in an established manner.
2. Professor-in-charges of CFSA – It is a centre which is dealing with the fund generated from NRI and Foreign students. I am in charge of the same dealing with its administration matters
3. Coordinated number of projects under the CCE earning considerable amount in its fund
4. Involvement in other major project :
 - a. PMGSY project
 - b. Manufactured sand
 - c. NABARD assisted road work
5. Coordinator of an ISTE-AICTE short term course on composite from Nov. 15-26, 2004
6. Member in the technical committee for computerization of the City Corporation.
7. Acted as subject expert in the interview Panel for selection of lecturer to Moonnar Engineering College
8. Member of the IT group of Trivandrum Corporation
9. Member in the Geotechnical committee of C-DOCT under Govt. of Kerala.
10. Submitted a proposal to AICTE for the modernisation of SM Laboratory
11. Member in the technical committee of Govt. of Kerala on low cost housing
12. Member of board of studies, University of Kerala
13. Member of board of studies, Sree Sankaracharya University of Vastuvidya, Kalady.
14. Governing body Member of NIRMITHI Kendra.
15. Subject Expert in the Interview Board of UPSC and KPSC.
16. Observer for the Conduct of CMAT Examination by AICTE.
17. As per MHRD direction, served as the Technical Expert in the scrutinisation of DPR for the modernization of Polytechnic Colleges.
18. Governing body member of the Deenadayalu Chottu University at Chandigarh.
19. Nodal Officer, Technical Education Quality Improvement Project.(TEQIP), (World Bank Aided Project), Government of India, a project for improving the quality of education of the college.
20. Nominated as the Expert Member by AICTE for Accreditation of Engineering Colleges.

21. Resource person for IMG, KHRI, CDC Kalamassery, Engineering Colleges and Polytechnic Colleges of Kerala.
22. Subject Expert for various Institutions in the Interview Board for the selection of Teachers.
23. Reviewed number of papers for the international conferences held at various institutions.
24. Secured the Best Teacher Award instituted by the ISTE College of Engineering, Thiruvananthapuram Chapter
25. Always maintaining very good feedback from the Undergraduate students for all the subjects taught by securing a grade above 95%.
26. Member of Laurie Baker National Award selection Committee.
27. Chairman, Board of Studies of Kannur University
28. Chairman, Curriculum of Committee of Civil Engineering of KTU

Major Consultancy Projects

- i) Co-Coordinator, Project on ‘Quality Control of Village Roads’ using NABARD Assistance.
- ii) Coordinator and consultant of the ‘Quality control of MSand’ and Mix design of Ready mix Concrete for POABS Group.
- iii) Served as Co-Coordinator, State Technical Agency, Prime Minister’s Grama Sadak Yojana, Govt. of India since 2000. Contributed in developing the system for preparation of Detailed Project Reports, training of engineers and implementation of the scheme. (Total outlay is Rs. 350 crores).
- iv) Several consultancy projects undertaken through the Continuing Education Centre of College generating considerable revenue to the College.
- v) Has undertaken several consultancy projects of LBS Centre.

Activities at NITTTR extension centre, Kalamassery

- i) Streamlined the functioning of the NITTTR Extension Centre to work in a conducive manner.
- ii) Submitted development proposals for its immediate transformation and for the long term development. Fund has been realised and utilised to the tune of almost 25Lakhs for the immediate improvement.
- iii) Improved the Accommodation facility of the Centre to cater the needs of the stake holders.
- iv) Conducted two workshops: one for the Principals of Polytechnics and the other for the Principals of Engineering Colleges to carry out the Training Need Analysis (TNA) of the teachers.
- v) Based on the TNA submitted proposals for around 50 courses for the year 2011-12 and based on the sanction obtained from Head Office at Chennai, 15 Training Programmes were conducted in 2011-12 training around Six hundred technical teachers.
- vi) In 2012-13, so far four training programmes have been conducted and the Training programmes are in progress.
- vii) Coordinated course for the Polytechnic Teachers by Web-telecasting from the Head Office at Chennai.
- viii) Introduced the practice of releasing course material in the bound form and the copy of the same to be supplied to all the participants of the course.
- ix) Set up the Computer Centre to cater the need of the Participants with Internet facility.

- x) Systematic method has been implemented for the smooth administration of the office with the nominal staff of the Centre.

Salient Activities as the Principal of GCEK

- I. Implemented total discipline in the Campus
- II. Established Technology Business Incubation Centre
- III. Enhanced the Computer facility in the campus (this attracted on line examination)
- IV. Library facilities enhanced and working hours extended
- V. Implemented TEQIP in the scheduled time frame
- VI. Equipped the college to face the Accreditation by NBA
- VII. Added quite a lot of facilities to the College by mobilizing fund from various sources
- VIII. Modernised all the Laboratories and seminar Halls
- IX. Added lot of infrastructural facilities such as Auditorium, 18 staff quarters, ladies hostel
- X. Improved the Physical education facilities
- XI. Procured two College buses

Experience

<i>Position held</i>	<i>Organisation</i>	<i>Number of years</i>
Regional Engineer	Kerala State Fishermen's Welfare Corporation	2 years
Lecturer/Sr. Lecturer	College of Engineering, Trivandrum	13 years
Assistant Professor	-do-	5 years
Professor	-do-	8 years
Professor & Head	NITTTR Extension Centre, Kalamassery	2 years
Professor & Head	College of Engineering, Trivandrum	6 month
Principal	Govt. College of Engineering, Kannur	2 years
Joint DTE	Directorate of Technical Education	Since 4.11.15

Dr. V. Syam Prakash