

Staff Name	: Mrs.S.Banupriya
Faculty ID	: TCI14
Designation	: Assistant Professor
Qualification	: B.E., M.E.,(Ph.D)
Teaching experience	: 8 Years 5 Months
Area of specialization	: Soil Mechanics and Foundation Engineering
Subjects handling	: <ul style="list-style-type: none"> • Engineering Geology • Soil Mechanics • Foundation Engineering • Ground Improvement Techniques • Highway Engineering • Railways, Airport and Harbour Engineering • Repair and Rehabilitation of Structures • Design of Reinforced Concrete & Brick Masonry Structures • Municipal Solid Waste Management • Building Services and Maintenance • Advanced Concrete Technology • Principles of Management • Environmental Science and Engineering • Basic Civil and Mechanical Engineering <p>Laboratory Handled:</p> <ul style="list-style-type: none"> • Waste Water Analysis Laboratory • Soil Mechanics Laboratory • Environmental Engineering Laboratory • Computer Aided Drafting & Modeling Laboratory • Surveying Laboratory • Strength of Materials Laboratory • Engineering Practices Laboratory
Books published	: <ul style="list-style-type: none"> • Published a Text book on “Disaster Management” by Suchitra Publication in the year of 2020. • Published a Text book on “Construction Project Management”, Scientific International Publishing House, ISBN 978-93-5625-383-4, 2022

Journals published :	<ol style="list-style-type: none"> 1. Published a paper titled “Analyse and investigate the geopolymer based concrete” in Materials Today : Proceedings Vol 60, Part .3, March 2022. (Scopus Indexed) 2. Published a paper titled “The effective utilization of construction materials” in Materials Today : Proceedings Vol 52, Part .3, March 2022. (Scopus Indexed) 3. P.Sribalaji, S. Banupriya, R.Ruthra have published a paper “Effect of Natural Fibers Composites as Soil Stabilizer on Flexible Pavement Design” in International Journal of Innovative Technology and Exploring Engineering (IJITEE),ISSN: 2278-3075, Volume-9 Issue-5, March 2020.. 4. P. R. KalyanaChakravarthy* , S. Banupriya and G. M. Preethi ‘Experimental Investigation on High Performance Concrete Using Fibre& Non Fibre Mixtures’,International Journal of Chemical Science, Vol.14, Issue,2, pp-633-642, April 2016. 5. R Rathan Raj, S Banupriya, R Dharani,” Stabilization of soil using rice husk ash”, International Journal of Computational Engineering Research, Vol.6, Issue.2, pp-43-50, February 2016 6. Kalyana Chakravarthy P.R, Banupriya S & Rangarajan.P.T, “ Experimental Study on Normal to High Strength of Hybrid Fibre Reinforced Concrete”, International Journal of Innovations in Engineering and Technology , Vol.6, Issue.1, pp-74-80, October 2015.
-----------------------------	--

Conference / workshop attended :

1. Attended the National Seminar on “**EMERGING TRENDS AND PRACTICES OF SOIL IMPROVEMENT TECHNIQUES IN GEOTECHNICS**” Organized by Department of Civil Engineering, Vels Institute of Science, Technology & Advanced Studies (VISTAS) held on 05.12.2022.
2. Attended the National Webinar on “Innovation in Fibre Reinforced Composites” Organized by Department of Civil Engineering, SIMATS School of Engineering held on 30.09.2022.
3. Attended two days online training course on “Advanced Techniques of Bathymetry Survey for Reservoirs and Coastal Projects” organized by Hydraulic Instrumentation Division of Central Water and Power Research Station, Pune during 20th – 21st September, 2022.
4. Attended International Faculty Development Program on “Futuristic Research in Mechanical Engineering” organized by Department of Mechanical Engineering, SRM Institute of Science and Technology, Ramapuram Campus, Chennai from 08th August to 13th August 2022.
5. Attended One Week Online Workshop on "Hydro-Geological Engineering", organized by Department of Civil Engineering, J.N.N. College of Engineering, Shivamogga from 22nd to 26th August 2022, sponsored by Karnataka Science and Technology Academy (KSTA), Department of Science and Technology, Government of Karnataka.
6. Attended the First International Virtual conference on Minerals, Materials and Manufacturing Method by presenting the paper titled “**Improving The Shear Strength Behaviour of Soil Using Soil Stabilization By Cow-Dung**” during 18.3.2020-19.3.2022
7. Attended an 14 days STTP on “**Land Use and Land Cover using Remote Sensing**” organized by National Water Academy, Central Water Commission, Pune, March 2022.
8. Attended an 14 days STTP on “**Introduction to Python Programming & Its Applications in Water Resources Sector**” organized by National Water Academy, December 2021.
9. Completed 4 days NASA’s Applied Remote Sensing Training Program (ARSET) on “ **Forest Mapping and Monitoring with SAR Data** “ by NASA.
10. Attended a webinar titled “New Age Concrete-Self Compacting Concrete” on 06.06.2020 organized by

Kamala Institute of Technology and Science, Telangana.

11. Attended a webinar titled “Aim and Planning of In-situ Testing in Concrete Structures” on 06.06.2020 organized by K. D. K. College Of Engineering, Nagpur.
12. Participated in E QUIZ on “Civil Engineering - Technical Quiz Series - Building Materials & Construction” on 08.06.2020 organized by Rajalakshmi Engineering College, Chennai.
13. Attended a Webinar on “Rockfall and its Mitigation” on 12.06.2020 organized by Indian Geotechnical Society, Silchar Chapter.
14. Attended a Webinar on “Recent Trends in Concrete Technology and Admixtures” on 13.06.2020 organized by Rajalakshmi Engineering College, Chennai.
15. Attended a Webinar on “Necessity of Seismic Response Assessment for Geotechnical Site” on 14.06.2020 organized by Indian Geotechnical Society, Silchar Chapter.
16. Attended a Webinar on “Opportunities for Civil Engineers in Transportation Engineering Field” on 18.06.2020 organized by Industry Institute Interaction Cell of AISSMS’s College of Engineering, Pune.
17. Attended a Webinar on “Water Distribution Network Models using EPANET” on 19.06.2020 organized by Bapatla Engineering College, Andhra Pradesh.
18. Attended a Webinar on “Research Paper To Patent Filing – A Road Map” on 25.06.2020 organized by Vels University, Chennai attended an five days Webinar Series on “ Advances in Building Technology” organized by CSIR-CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE during June 01-05, 2020.
19. Attended Three Days Online FDP on “Recent Advancement in Civil Engineering” held from 22.06.2020 to 24.06.2020 organized by S.A Engineering College, Chennai.
20. Attended an five days short term program on “Smart Sustainable Cities” organized by NITTTR, Chandigarh during 25..05.2020 t0 29.05.2020.
21. Attended 'Indo-China Research Webinar Series in Civil and Environmental Engineering' during 8-19-May 2020, jointly initiated by faculties from Shantou University, China, Vardhaman College of Engineering, Hyderabad, Indian Geotechnical

Society, Surat Chapter, and School of Civil Engineering Qingdao University of Technology, China.

22. Attended an Online workshop on “Recent Advances in Science & Technology of Concrete by IIT Madras, during 02.05.2020
23. Attended an National Workshop on Recent Advances in Geotechnics for Infrastructure (RAGI 2020) organized by IGC Bangalore and The Ramco Cements Ltd during 17.05.2020.
24. Attended an AICTE recognized five days Faculty Development Programme on “Green and Intelligent Buildings” organized by NITTTR, Chandigarh during 14.04.2020 to 18.04.2020
25. **Ms.S.Banupriya**, K T Murali Krishnan , K Pragatheeswaran , K P Naresh Kumaran **presented the paper** Titled “Experimental Study On Pervious Concrete Using Recycled Aggregates” in 8th International Conference on Contemporary Engineering and Technology 2020 organized by ORGANIZATION OF SCIENCE AND INNOVATIVE ENGINEERING & TECHNOLOGY (OSIET) & Prince Shri Venkateshwara Padmavathy Engineering College,Chennai conducted on 14.03.2020 to 15.03.2020.
26. Attended a FDP on “Essential of Optical and SEM Analysis EOSA-2020” on 31-01-2020 & 01-02-2020(2days) at Anna University (MIT) , Chennai -25
27. Attended a International Conference on “Sustainable Future” held on 6th January 2020 at Anna University, Chennai.
28. Attended a One days Workshop on “Structural Design and Building System” held at Indian Institute of Technology, Madras during 28th December 2019.
29. Attended a Two week on AICTE Sponsored Faculty Development Programme on “The Global Challenge of Desalination with Membranes” held at St.Joseph’s College of Engineering during 25 - 08 December 2019.
30. Attended a Seven days on Anna University Sponsored Faculty Development Programme on “Engineering Mechanics” held at St.Joseph’s Institute of Technology during 18 - 23 November 2019.

31. Attended a Seven days on TEQIP III Sponsored Faculty Development Programme on “Disaster Risk Management” held at PSG College of Technology during 10 - 16 November 2019.
32. Participated in Seminar titled Corrosion Control in Concrete Structures in IIT Madras and NIGIS-SZ on 15-06-2019.
33. Participated in Seminar titled Recent Trends In Geotechnical Engineering in National Institute of Technology, Tiruchirappalli association with IGS Trichy Chapter on 07-06-2019 & 08-06-2019.
34. Participated in Faculty Development Programme titled Experimental Studies on Concrete and Soil Characteristics in SRM Institute of Science & Technology in association with IET & NITTR on 13.05.2019 TO 17.05.2019.
36. Participated in Faculty Development Programme titled Meticulous Application Of Software In Civil Engineering in St. Joseph’s Institute of Technology, Chennai on 09-05-2019 to 11-05-2019.
37. **Presented a paper** at the two-day 4th International Conference on Recent Trends in Engineering And Technology-ICRTET-2019 titled “Experimental Investigation on Deflection Characteristics of Geotextile Gabion Wall ”, on 3rd & 4th May 2019 conducted by St. Joseph’s Institute of Technology, Semmencherry.
38. **Presented a paper** at the two-day 2nd International Conference on Global Environmental Changes And Sustainable Development In Civil Engineering-ICGECSD’19 titled “Effect Of Non-Plastic Silt On Intergranular Void Ratio Of Sand ”, on 4th & 5th April 2019 conducted by Vel Tech Rangarajan Dr. Sagunthala R & D Institute Of Science And Technology, Avadi
39. **Presented a paper** at the two-day 4th International Conference on Recent Trends in Engineering And Technology-ICRTET-2019 titled “Experimental Investigation Of Geopolymer Based Concrete ”, on 3rd & 4th May 2019 conducted by St. Joseph’s Institute of Technology, Semmencherry.

40. Participated in Third National Finite Element Developers, Users Meet-2018 organized by Vikram Sarabhai Space Centre, ISRO in association with, Panimalar Engineering College, Chennai on 14th December,2018.
41. Participated in Author Workshop organized by Wiley in collaboration with Anna University Library,Chennai on 19th November,2018.
42. Participated in AICTE-ISTE Short Term Training Programme on “Recent Advances in Industrial Pollution Control(RAPIC-18)” organized by SRM Institute of Science & Technology,Chennai on 12th – 16th November,2018
43. **Presented a paper** at the two-day “International Conference on Global Environmental Changes And Sustainable Development In Civil Engineering-ICGECSD'18” titled ‘Determination of Hyperbolic Stress-Strain Parameters for Sand-Silt Mixtures by ’, on April 4th & 5th April 2017 conducted by Vel Tech Rangarajan Dr.Sagunthala R & D Institute Of Science And Technology,AVADI/
44. Participated in FDP titled “Course on LW101-EDC” organized by College of Engineering,Guindy on 22nd -24th January,2018.Participated in Short time course on “Subsurface Investigation for Pavements and Buildings” on 10th - 12th March, 2016 conducted by the Department of Civil Engineering,NIT, Tirchy.
45. Presented a paper at the two-day “First Annual Conference on Innovation and Development in Civil Engineering “on 19th-20th May, 2014 conducted by the Department of Civil Engineering, National Institute of Technology Karnataka, and Surathkal.
46. S.Banupriya & K.Premalatha, “Effect of Non-Plastic Fines on Stress-Strain Characteristics of Sand”, Proceedings of Indian Geotechnical Conference IGC-2014 , 18th -20th December, 2014, Kakinada, India,pp-131 to 138, December,2014.
47. .Participated in Short time course on “Subsurface Investigation for Pavements and Buildings” on 10th - 12th March, 2016 conducted by the Department of Civil Engineering,NIT, Tirchy.
48. Presented a paper at the two-day “First Annual Conference on Innovation and Development in Civil Engineering “on 19th-20th May, 2014 conducted by the Department of Civil Engineering, National Institute

of Technology Karnataka, and Surathkal.

49. S.Banupriya & K.Premalatha, "Effect of Non-Plastic Fines on Stress-Strain Characteristics of Sand", Proceedings of Indian Geotechnical Conference IGC-2014 , 18th -20th December, 2014, Kakinada, India,pp-131 to 138, December,2014.
50. Participated in One day Seminar on "Site investigation and its Importance" on 14th March, 2012 conducted by the Division of Soil Mechanics and Foundation Engineering, College of Engineering Guindy Campus, Chennai.
51. Participated in Poster Presentation held at "Reinfo" on 29th January 2010 conducted by the Civil Engineering Association, Kumaraguru College of Technology,Coimbatore.
52. Participated in National Level one day workshop on "Earthquake Resistant Structures" on 26th February 2010 conducted by the Department of Civil Engineering, VLB Janakiammal College of Engineering and Technology, Coimbatore.
53. Participated in National Level one day workshop on "Advancement in Ferro cement Concrete and its Application in Rehabilitation" on 5th March, 2010 conducted by the Department of Civil Engineering in Association with Council of Scientific and Industrial Research, VLB Janakiammal College of Engineering and Technology, Coimbatore.
54. Participated in National Level one day workshop on "Disaster Management and Environment Safety" on 9th April, 2010 conducted by the Department of Civil
55. Engineering, VLB Janakiammal College of Engineering and Technology, Coimbatore.
56. Participated in National Conference on "Global Warming and its Effects" on 9th September, 2010 conducted by the Department of Civil Engineering, VLB Janakiammal College of Engineering and Technology, Coimbatore.

Professional Membership	:	<ol style="list-style-type: none"> 1. Life Member in Indian Geotechnical Society (LM-4286) 2. Associate Member in The Institution of Engineers, India (AM1838108)
Certification Courses:		<ul style="list-style-type: none"> • Successfully Completed NITTT Coures on : <p>Module 1 : Orientation Towards Technical Education and Curriculum Aspects</p> <p>Module 2 : Professional Ethics & Sustainable Development</p> <p>Module 3 : Communication Skills,Modes and Knowledge Dissemination</p> <p>Module 4 : Instructional Planning and Delivery</p> <p>Module 5 : Technology Enabled Learning and Life-Long Self Learning</p> <p>Module 6 : Student Assessment and Evaluation</p> <p>Module 7: Creative Problem Solving, Innovation and Meaningful research and development</p> <p>Module 8 : Institutional Management & Administrative Procedures</p>
Funded project details	:	<ul style="list-style-type: none"> • Project Guided Titled” Experimental Investigation on Brick using Coconut Fibre” - (Selected For Final Presentation For Innovative Student Projects Award 2019) • Received a fund for the project titled “Development of IoT Based Landslide Monitoring, Detection And Early Warning System Using Drone And Remote Sensing Data For Nilgiris District” under Students Project Scheme from Tamil Nadu State Council for Science and Technology (TNSCST), Chennai.