

Academics

1. Subjects Taught:

- Engineering Mechanics
- Strength of Materials
- Elements of Civil Engineering & Engineering Mechanics.
- Elements of Engineering Geology and Geotechnical Engineering.
- Geotechnical Engineering
- Ground Improvement Techniques
- Mechanics of Fluids
- Hydraulics and Hydraulic Machinery
- Building Planning & Drawing
- Basic Materials Testing Laboratory
- Geotechnical Engineering Laboratory.

2. List of short-term courses / national level technical symposia organised

- National Workshop on “Recent Advances in Geotechnics for Infrastructure RAGI – 2016”, 7th May, 2016.
- National Workshop on “Recent Advances in Geotechnics for Infrastructure RAGI – 2015”, 25th April, 2015.
- National Workshop on “Recent Advances in Geotechnics for Infrastructure RAGI – 2014”, 15th March, 2014.
- National Level Technical Symposium for students, CONCREATIONS ‘05, on 21st and 22nd October, 2005.
- National Level Technical Symposium for students, CONCREATIONS–2003, on 17th and 18th October, 2003.
- AICTE-ISTE short-term course on "Ground Improvement Techniques" at S.J. College of Engineering, Mysuru during March 03-16, 2000.

3. R&D Projects Executed

AICTE Sponsored RPS Project

- “Utilisation of Coal Ashes in Geotechnical Engineering Applications”, 2007-2010, Rs. 5.5 Lakhs.

Projects guided under Indian Academy of Sciences SRF Programme (in the reverse chronological order)

- “Study of the effect of coarse fraction on compaction properties of fine grained soils” – Bhat, S.B. (NIE, Mysore) (2013).
- “Observational procedure for the determination of coefficient of consolidation” – Sheshashayana, M. (SJCE, Mysore) (2011).
- “Rapid method of consolidation testing without loss of accuracy” – Sudheendra, S. (SJCE, Mysore) (2011).

KSCST Sponsored Student Projects (in the reverse chronological order)

- “Studies of free swell behaviour of mixtures of clay minerals under varying pore medium chemistry” – Aakash, B.S., Anand, C., Balaji, K.S. and Karthik, H.K. (2010)
- “Stabilisation of coal ashes for use in various geotechnical engineering applications” – Adarsh, K., Arjun, H.R., Kanth, B.S. and Pruthvi, M. (2010)
- “Effect of pH on physical properties of fine-grained soils” – Badiger, R.M., Preetham, M., Bhat Nikhil, S. and Haresh Kumar, S. (2007)
- “A study of physical properties of fine-grained soils under different environmental conditions” – Thejas, H.K., Swaroop, H.M., Ramesh and Vernekar, N.M. (2006)
- “Lime stabilization of black cotton soil” – Nagaraj, H.B., Badari Narayan, N., Ramakrishna Hegde, Guruprasad, P., Raghu, Y.G. and Sudheesh, H.P. (1986)

UG Final Year Projects Guided (in the reverse chronological order)

- “Study on Applications of rectangular hyperbola method in geotechnical engineering” – Deepak Kumar, P., Sachinkumar, Shubhashree, K.S. and Siddharth Prabhu, N. (2017).
- “Some useful correlations involving compaction characteristics of fine-grained soils” – Divyasree A.N., Jayachandra G.V. and Mamatha, M. (2016).
- “Determination of liquid and plastic limits of fine grained soils by needle penetration method” – Gowtham, V., Mahesh, M., Spoorthy, S. and Hemanth, L.V. (2015).
- “Study of swell characteristics of expansive soils and the effect of coarse fraction on swell characteristics” – Bharadwaj, H.B.N., Vinay, M.A., Sachin, S. and Pavan Kumar, K.T. (2014)
- “Rehabilitation measures for effective functioning of canal – A case study” – Manoj P., Trishul Gowda A., Vinay Ram M.R. and Ulthi Sharana Basava (2014).
- “A study of penetration tests and plastic limit determination” - Mohan Gowda, K.T., Shreenidhi, B., Pramodreddy Deshmukh and Abhik Bhattacharya (2013)
- “Effect of mechanical additives on liquid and shrinkage limits of fine-grained soils” – Banuprakash, N.N., Shrushanth, K.S., Mythri, K.S. and Subramanya, B.S. (2012)
- “Study of permeability and compressibility behaviour of granular soils” – Sudheendra, S., Barki, A.S. and Sheshashayana, M. (2012)
- “Effect of lime treatment on basic properties of kaolinite and montmorillonite clay minerals” – Nirup Kumar, N. and Shashank, B.S. (2011)
- “Studies of free swell behaviour of mixtures of clay minerals under varying pore medium chemistry” – Aakash, B.S., Anand, C., Balaji, K.S. and Karthik, H.K. (2010)

- “Stabilisation of coal ashes for use in various geotechnical engineering applications” – Adarsh, K., Arjun, H.R., Kanth, B.S. and Pruthvi, M. (2010)
- “A study of index properties of homoionosed and fractionized bentonites” – Jamuna, N., Divya, N., Vijayakumar, K.S. and Madhu, N.S. (2008)
- “Effect of pH on physical properties of fine-grained soils” – Badiger, R. M., Preetham, M., Bhat Nikhil, S. and Haresh Kumar, S. (2007)
- “A study of physical properties of fine-grained soils under different environmental conditions” – Thejas, H.K., Swaroop, H.M., Ramesh and Vernekar, N.M. (2006)
- “The study of index properties of mixtures of clay minerals” – Ananth Baba, J., Ganesh, C. and Shetty, R.A. (2006)
- “Some studies on consolidation characteristics and coefficient of permeability of fine grained siuls” – Suprabha, M.S., Chadaga, M.P. and Padmini, R. (2005)
- “A study of compressibility and permeability behaviour of fine grained soil sediments” – Vagish, H.V., Punit Vibhu, s.h., Pasha, M.A. and Shashanka, M. (2004)
- “Study of effect of non-cohesive soil fraction on consistency limits and compaction characteristics of fine grained soils” – Vagesh Kumar, K., Sumitha, V., Nitin, R. and Khan, A.T.K. (2003)
- “Study of indexproperties if fine grained soils with particular reference to clay mineralogy” – Kavitha, N., Thrupthi, G.S. and Kavitha Shree, R.V. (2001)
- “Study of compaction and unconfined compressive strength characteristics if fine grained soils with reference to clay mineralogy” – Singh, Y.H. and Shiva Kumar, C. (2001)
- “Study of undrained shear strength behaviour of compacted clayey soils” – Pradeep, V. and Jayarama, R. (2000)
- “Testing of remoulded soils and some useful predictions” – Binod Kumar Bhagat, Brajesh Mohan, Sanjay Kumar and Satyendra Kumar (1987)
- “Lime stabilization of black cotton soil” – Nagaraj, H.B., Badari Narayan, N., Ramakrishna Hegde, Guruprasad, P., Raghu, Y.G. and Sudheesh, H.P. (1986)
- “Analysis and design of north light roof folded plate” – Nagabhushana, Sonnad, S.V.,Praveen, K.R., Manjunath, K.S., Umesh, H.N. and Prakash, H.M. (1985)

UG Add-on Projects Guided (in the reverse chronological order)

- “A Correlation Study on Liquid Limit, Settling Limit and Free Swell Limit of Fine-grained Soils” by Kiran Togunashi, Dhanush, G.T. and Madhusudan, M.R. (2016-2017).
- “A study of free swell ratio of fine-grained soils using kerosene and carbon tetra chloride”- Shivachethan, V. and Jayachandra, G V. (2013-2014).

- “A correlation study on liquid limit and equilibrium sediment volume behavior of fine-grained soils” - Shivachethan, V. and Jayachandra, G V. (2013-2014).
- “Study of effect of coarse fraction on compaction properties and unconfined compressive strength of compacted fine grained soils” – Sachin, S. and Vinay, M.A. (2012-2013).
- “A comparative study of $\delta - t/\delta$ method and early stage of log t plot method of consolidation coefficient determination” – Sheshashayana, M. and Yashwanth, V. (2011-2012).
- “Shrinkage limit determination by the bead replacement method” – Sandesh, K., Sheshashayana, M. and Yashwanth, V. (2010-2011).