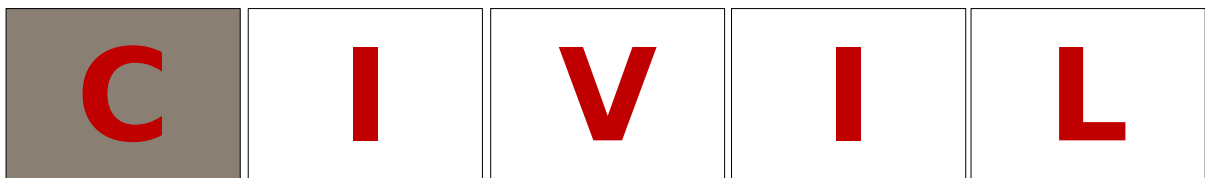


CIVIL QUEST

**Newsletter of the
Department of Civil Engineering**

Edition 18

Period: Jan to Jun 2018



ENGINEERING

VISION OF THE DEPARTMENT

- ◆ To be a leader in developing competent Civil Engineers.

MISSION OF THE DEPARTMENT

- ◆ Build Civil Engineering knowledge in students by implementing novel educational strategies.
- ◆ Develop effective instructional infrastructural resources.
- ◆ Promote interdisciplinary learning.
- ◆ Contribute to the growth of Civil Engineering through community service, consultancy and research.

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◆ PROGRAM EDUCATIONAL OBJECTIVES (PEOs):

- ◆ PEOs (Program Educational Objectives) relate to the career and professional accomplishments of students after they graduate from the program. Consequently, assessment and evaluation of the objectives requires assessment tools that can be applied after graduation.
 - Build knowledge and skill set** required for solving Civil Engineering problems.
 - Create innovative technical ventures** in Civil Engineering.
 - Promote Research and consultancy** activities to solve Real world Civil Engineering problems.

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◆ **PROGRAMME OUTCOMES (POs):**

◆ **Engineering Graduates will be able to:**

◆ Apply mathematics, science and engineering knowledge to complex problems	◆ Identify Problem and analyze complex engineering problems	◆ Design/develop solutions considering public, cultural and environmental factors	◆ Conduct investigations of complex problems to provide valid conclusions.
◆ Use modern engineering and IT tools	◆ Assess societal, health, safety, legal and cultural issues	◆ Understands Environment and sustainable development	◆ Apply and commit to professional ethics
◆ Individual and team work	◆ Communicate effectively	◆ Demonstrate project management skills	◆ Independently apply Life-long learning

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◆ **PROGRAM SPECIFIC OUTCOMES (PSOs)**

◆ **PSO-I:** Apply knowledge of mathematics, science and engineering to analyze, design and execute the civil engineering structures for the betterment of the society and the nation.

◆ **PSO-II:** Acquire the knowledge about various techniques, skills and modern engineering tools required for the construction of civil engineering structures.

◆ **ACTIVITIES OF THE DEPARTMENT**

◆ **Programs conducted:**

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◆ **PUBLICATIONS / PRESENTATIONS AT NATIONAL AND INTERNATIONAL JOURNALS/CONFERENCES**

◆ **International journals:**

◆ 1	◆ S. Siva Rama Krishna, V. Sowjanya Vani, Shaik Khader Vali Baba (2018). Studies on Mechanical Properties of Ternary Blended Self Compacting Concrete using Different Percentages of Recycled Aggregate. International Journal of Civil Engineering and Technology (IJCIET), 9(11), 1672-1680.
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◆ 2	◆ S. Siva Sai Pratap Reddy, P. Kasaiah, M. Gopi Krishna, Shaik Khader Vali Baba (2018). Load Studies on Granular Pile with and without Geogrid Encasement in Non-Swelling Clay Beds. International Journal of Civil Engineering and Technology (IJCIET), 9(7), 766-773
◆ 3	◆ V.Sruthi,Nookapati Raju Aketi, Sravanthi Paisa (2018). Reduction in Pavement Thickness by Using Geogrid. International Journal of Engineering & Technology (IJET), 7(), 17-20
◆ 4	◆ SandelaHaripriya, P. Venkat Reddy, E. Laxmi Prasanna (2018). Study Analysis on the High-Level Viaduct Over Bondivagu Drain. International Journal of Engineering & Technology (IJET), 7(), 1-4

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◆ **International conference:**

◆ 1	◆ Awoyera. P, Akinmusuru. J. O, Shiva Krishna. A, Gobinath. R, Arun Kumar. B, Sangeetha. G (2018). Model Development for Strength Properties of Laterised Concrete using Artificial Neural Network Principles. Proceedings of 'Soft Computing for Problem Solving 2018' Organized by Vellore Institute of Technology, Vellore, India, Scopus Indexed
◆ 2	◆ Arun Kumar. B, Sangeetha. G, Srinivas. A, Awoyera. P, Gobinath. R,VenkataRamana.V (2018). Models for Predictions of Mechanical Properties of Low-Density Self Compacting Concrete Prepared from Mineral Admixtures and Punice Stone. Proceedings of 'Soft Computing for Problem Solving 2018' Organized by Vellore Institute of Technology, Vellore, India, Scopus Indexed
◆ 3	◆ Sangeetha. G, Arun Kumar. B, Srinivas. A , Siva Krishna. A, Gobinath. R, Awoyera. P (2018). Optimization of Drilling Rig Hydraulics in Drilling Operations using Soft Computing Technique. Proceedings of 'Soft Computing for Problem Solving 2018' Organized by Vellore Institute of Technology, Vellore, India, Scopus Indexed
◆ 4	◆ Gobinath. R (2018). Alkalinity and strength properties of concrete containing macro silica and ground granulated blast furnace slag. Proceedings of '7th Brunei International Conference on Engineering and Technology 2018' Organized by UniversitiTeknologi Brunei, Brunei Darussalam, Scopus Indexed
◆ 5	◆ Anandaraj.S, Jessy Rooby, Gobinath. R, Arun Kumar. B, Vikram Reddy. M, Swathi. K (2018). Strength Predictions using ANN for Concrete with Marble Dust and Quarry Dust. Proceedings of 'International Conference on Intelligent Computing and Communication for Smart World (I2C2SW 2018)' Organized by Kongu Engineering College, Perundai, India, Scopus Indexed
◆ 6	◆ Murthi. P, Poongodi. K, Arun Kumar. B, Sangeetha. G, Srinivas. A, Gobinath. R (2018). ANN based Prediction of Bond and Impact Strength of Light Weight Self Compacting Concrete with Coconut Shell. Proceedings of 'International Conference on Intelligent Computing and Communication for Smart World (I2C2SW 2018)' Organized by Kongu Engineering College, Perundai, India, Scopus Indexed

◆ 7	◆ Dr.Praveen. G. V, Goverdhan Reddy. S (2018). Liquifaction - A Geotechnical Engineering Challenge in Pavement Construction. Proceedings of 'International Conference on Recent Advances in Civil and Mechanical Engineering Practies (ICRACMEP-18)' Organized by Vasireddy Venkatadri Institute of Technology (VVIT), Guntur, India.
◆ 8	◆ Gobinath. R, Pau Awoyera, Mithuna. R (2018). Experimental Study on Fiber Reinforced Alluvial Soil Stabilized using Innovative Polymer. Proceedings of '1st International Conference on Recent Trends in Engineering, Materials, Management and Sciences (ICRTEMMS-2018)' Organized by Swarna Bharathi Institute of Science & Technology (SBIT), Khammam,, India, Scopus Indexed
◆ 9	◆ Goverdhan Reddy. S, Gobinath. R, Ganapathy. G. P, Raja. G, Prashanth. E (2018). An Appraisal on Effects of Lemon Grass Root on the Stability of Slope- A Case Study on Nilgiris. Proceedings of '1st International Conference on Recent Trends in Engineering, Materials, Management and Sciences (ICRTEMMS-2018)' Organized by Swarna Bharathi Institute of Science & Technology (SBIT), Khammam,, India, Scopus Indexed
◆ 10	◆ Sravanthi. P, Gobinath. R, Raja. G, Prashanth. E, Mithun. R (2018). Experimental Study on Footing Settlement in Reinforced Earth using Lab Scale Model. Proceedings of '1st International Conference on Recent Trends in Engineering, Materials, Management and Sciences (ICRTEMMS-2018)' Organized by Swarna Bharathi Institute of Science & Technology (SBIT), Khammam, India, Scopus Indexed
◆ 11	◆ Sangeetha. G, Arun Kumar. B (2018). Change Detection Analysis for Spatio-temporal Assessment of Hyderabad city and Adjacent areas, Telangana, India. Proceedings of '1st International Conference on Recent Trends in Engineering, Materials, Management and Sciences (ICRTEMMS-2018)' Organized by Swarna Bharathi Institute of Science & Technology (SBIT), Khammam, India, Scopus Indexed
◆ 12	◆ Govil Alok, Goverdhan Reddy. S, Saipriya. P (2018). A Study of Index and Engineering Properties of an Expansive Soil upon replacement by Flyash. Proceedings of '1st International Conference on Recent Trends in Engineering, Materials, Management and Sciences (ICRTEMMS-2018)' Organized by Swarna Bharathi Institute of Science & Technology (SBIT), Khammam, India, Scopus Indexed
◆ 13	◆ Laxmi Prasanna. E, Venkat Reddy. P, Md. Ikramullah Khan, Haripriya Varma. S (2018). A Study on Ternary Blended Concrete using Fly Ash, Stone Dust, Recycle Aggregates. Proceedings of '1st International Conference on Recent Trends in Engineering, Materials, Management and Sciences (ICRTEMMS-2018)' Organized by Swarna Bharathi Institute of Science & Technology (SBIT), Khammam,, India, Scopus Indexed
◆ 14	◆ Govik Alok, Goverdhan Reddy. S, Haripriya Varma. S, Guruprasad. M, Srinivas. A (2018). A Study on Stress-Strain behaviour of Concrete using Copper Slag as a Partial Replacement of fine Aggregates. Proceedings of '1st International Conference on Recent Trends in Engineering, Materials, Management and Sciences (ICRTEMMS-2018)' Organized by Swarna Bharathi Institute of Science & Technology (SBIT), Khammam,, India, Scopus Indexed

◆ 15	◆ Haripriyavarma. S, Govil Alok, Goverdhan Reddy. S (2018). Study on the Mechanical Behaviour of Concrete upon Replacement by Silica Fume and Addition of Steel Fibers. Proceedings of '1st International Conference on Recent Trends in Engineering, Materials, Management and Sciences (ICRTEMMS-2018)' Organized by Swarna Bharathi Institute of Science & Technology (SBIT), Khammam,, India, Scopus Indexed
◆ 16	◆ Sangeetha. G,Srinivas. A (2018). Mapping of Menthol Mint using Remote Sensing and Geospatial Technologies. Proceedings of '1st International Conference on Recent Trends in Engineering, Materials, Management and Sciences (ICRTEMMS-2018)' Organized by Swarna Bharathi Institute of Science & Technology (SBIT), Khammam,, India, Scopus Indexed
◆ 17	◆ Srinivas. A, Sangeetha. G, Siva Krishna. A (2018). Sternth Investigation of Cement Mortar with Partial Replacement of Fine Aggregates with Stone Dust. Proceedings of '1st International Conference on Recent Trends in Engineering, Materials, Management and Sciences (ICRTEMMS-2018)' Organized by Swarna Bharathi Institute of Science & Technology (SBIT), Khammam,, India, Scopus Indexed
◆ 18	◆ Shaik Khader Vali Baba, Gopi Krishna. M, Kasaiah. P, Siva Sai Pratap Reddy. S, Nookapathi Raju. A (2018). Plasticity, Strength and Durability Characteristics of Highly Swelling Soil Stabilized with Lignosulfonate and Metakaolin. Proceedings of '1st International Conference on Recent Trends in Engineering, Materials, Management and Sciences (ICRTEMMS-2018)' Organized by Swarna Bharathi Institute of Science & Technology (SBIT), Khammam,, India, Scopus Indexed
◆ 19	◆ Sravanthi. P, Nookapathi Raju. A, Siva Sai Pratap Reddy. S, Gopi Krishna. M, Shaik Khader Vali Baba (2018).Improvement of Strength Parameters of Expansive Soil by using Fibre. Proceedings of '1st International Conference on Recent Trends in Engineering, Materials, Management and Sciences (ICRTEMMS-2018)' Organized by Swarna Bharathi Institute of Science & Technology (SBIT), Khammam,, India, Scopus Indexed
◆ 20	◆ Kasaiah. P, Nookapathi Raju. A, Siva Sai Pratap Reddy. S, Gopi Krishna. M, Shaik Khader Vali Baba (2018). Investigation on Effect of Plastic Strip as Reinforced Agent in Low Strength Soils. Proceedings of '1st International Conference on Recent Trends in Engineering, Materials, Management and Sciences (ICRTEMMS-2018)' Organized by Swarna Bharathi Institute of Science & Technology (SBIT), Khammam,, India, Scopus Indexed
◆ 21	◆ Shaik Khader Vali Baba, Siva Sai Pratap Reddy. S, Kasaiah. P, Nookapathi Raju. A, Gopi Krishna. M (2018). Plasticity and Strength Characteristics of Expansive Soil with Creamic Powder and Polyster Fiber. Proceedings of '1st International Conference on Recent Trends in Engineering, Materials, Management and Sciences (ICRTEMMS-2018)' Organized by Swarna Bharathi Institute of Science & Technology (SBIT), Khammam,, India, Scopus Indexed

◆ 2 2	◆ Kasaiah. P, Nookapathi Raju. A, Gopi Krishna. M, Shaik Khader Vali Baba, Siva Sai Pratap Reddy. S (2018). A Laboratory Study on Effect of Polyester Fibers on Strength and Consolidation Characteristics of Lime Treated Marine Clay. Proceedings of '1st International Conference on Recent Trends in Engineering, Materials, Management and Sciences (ICRTEMMS-2018)' Organized by Swarna Bharathi Institute of Science & Technology (SBIT), Khammam,, India, Scopus Indexed
◆ 2 3	◆ Gopi Krishna. M, Shaik Khader Vali Baba, Kasaiah. P, Siva Sai Pratap Reddy. S, Nookapathi Raju. A (2018). Plasticity and Strength Characteristics at Black Cotton Soil with GBFS and Finite Element Analysis of Shallow Foundation. Proceedings of '1st International Conference on Recent Trends in Engineering, Materials, Management and Sciences (ICRTEMMS-2018)' Organized by Swarna Bharathi Institute of Science & Technology (SBIT), Khammam,, India, Scopus Indexed
◆ 2 4	◆ Haripriya Varma. S (2018). Utilization of Sodium Thiosulphate in Normal Concrete. Proceedings of 'International Conference on Sustainable Construction Materials and Recent Innovations in Civil Engineering' Organized by Vaagdevi College of Engineering, Warangal, India. UGC Journal
◆ 2 5	◆ Swamy Yadav. G, Prabhanjan. N, Siva Krishna. A, Govil Alok (2018). A Study on Characteristics of Concrete using Pond ash as a Partial replacement of Sand. Proceedings of '1st International Conference on Recent Trends in Engineering, Materials, Management and Sciences (ICRTEMMS-2018)' Organized by Swarna Bharathi Institute of Science & Technology (SBIT), Khammam,, India, Scopus Indexed
◆ 2 6	◆ Prabhanjan. N, Swamy Yadav. G, Govil Alok (2018). An effective Design Approach for Traffic Management for At-Grade Y- Intersection at Alugunur. Proceedings of '1st International Conference on Recent Trends in Engineering, Materials, Management and Sciences (ICRTEMMS-2018)' Organized by Swarna Bharathi Institute of Science & Technology (SBIT), Khammam,, India, Scopus Indexed
◆ 2 7	◆ Swamy Yadav. G, Md. IkramullahKhan, Srinivas. A, Prabhanjan. N (2018). Waste Steel Fibre and Polypropylene Fibre as Reinforcing Materials. Proceedings of '1st International Conference on Recent Trends in Engineering, Materials, Management and Sciences (ICRTEMMS-2018)' Organized by Swarna Bharathi Institute of Science & Technology (SBIT), Khammam,, India, Scopus Indexed
◆ 2 8	◆ Srinivas. A, Guru Prasad. M, Siva Krishna. A (2018). Strength Investigation of Fibre Matrix Composite Impregnated Rigid Pavements. Proceedings of '1st International Conference on Recent Trends in Engineering, Materials, Management and Sciences (ICRTEMMS-2018)' Organized by Swarna Bharathi Institute of Science & Technology (SBIT), Khammam,, India, Scopus Indexed
◆ 2 9	◆ Guru Prasad. M, Srinivas. A, Siva Krishna. A, Goverdhan Reddy. S (2018). Study on Torsional Behaviour of RC Beams replaced by Fibre Reinforced Polymer. Proceedings of '1st International Conference on Recent Trends in Engineering, Materials, Management and Sciences (ICRTEMMS-2018)' Organized by Swarna Bharathi Institute of Science & Technology (SBIT), Khammam,, India, Scopus Indexed

◆ 30	◆ Tipraj. B, Laxmi Prasanna. E. Siva Krishna. A (2018). Experimental Study on Strength of Concrete by Partial Replacement Cement by Nano Silica and Fly Ash. Proceedings of '1st International Conference on Recent Trends in Engineering, Materials, Management and Sciences (ICRTEMMS-2018)' Organized by Swarna Bharathi Institute of Science & Technology (SBIT), Khammam,, India, Scopus Indexed
◆ 31	◆ Siva Krishna. A, Vijayan. V, Sathanadam. T, Sates Kumar, Gobinath. R (2018). Investigation of strength and Durability Characteristics of Muncipal Solid Waste Impregnated Concrete. Proceedings of '1st International Conference on Recent Trends in Engineering, Materials, Management and Sciences (ICRTEMMS-2018)' Organized by Swarna Bharathi Institute of Science & Technology (SBIT), Khammam,, India, Scopus Indexed
◆ 32	◆ Md. Ikramullah Khan (2018). An Experimental Study on Mechanical Properties of Concrete by Partially replacing Sand with Granulated Blast Furnace Slag and Cement by Rice Husk Ash. Proceedings of '1st International Conference on Recent Trends in Engineering, Materials, Management and Sciences (ICRTEMMS-2018)' Organized by Swarna Bharathi Institute of Science & Technology (SBIT), Khammam,, India, Scopus Indexed
◆ 33	◆ Prabhanjan. N, Govil Alok, Md. Ikramullah Khan, Swamy Yadav. G, Haripriya Varma. S (2018). Application of Post Tensioning Technology in the Construction. Proceedings of '1st International Conference on Recent Trends in Engineering, Materials, Management and Sciences (ICRTEMMS-2018)' Organized by Swarna Bharathi Institute of Science & Technology (SBIT), Khammam,, India, Scopus Indexed
◆ 34	◆ Gopi Krishna. M (2018). Study on Shear Strength Behaviour of Geotextile Reinforced and Cement Modified Marginal Soils. Proceedings of 'International Conference on Sustainable Constructioin Materials and Recent Innovations in Civil Engineering' Organized by Vaagdevi College of Engineering, Warangal, India. UGC Journal
◆ 35	◆ Shaik Khader Vali Baba (2018). The Behaviour of Swelling Soils using Ceramic Powder and PolyesterFibre. Proceedings of 'International Conference on Sustainable Constructioin Materials and Recent Innovations in Civil Engineering' Organized by Vaagdevi College of Engineering, Warangal, India. UGC Journal
◆ 36	◆ Srinivas. A, Sangeetha. G, Arun Kumar. B, Gobinath. R, Venkataramana. V, Vahini. S (2019). Soft computing techniques for investigating strength properties of concrete. Proceedings of 'Third IEEE International Conference on Electrical, Computer and Communication Technologies 2019 ' Organized by SVS College of Engineering, Coimbatore, India. Scopus Indexed
◆ 37	◆ Govil Alok, Soumya. P, Sampath Reddy. M, Saipriya. P (2018). Trenchant Pathway to bring Innovation through Foundations to Product Design in Engineering Education. Proceedings of '1st International Conference on Recent Trends in Engineering, Materials, Management and Sciences (ICRTEMMS-2018)' Organized by Swarna Bharathi Institute of Science & Technology (SBIT), Khammam,, India, Scopus Indexed

◆ 38	◆ Siva Krishna. A, Ranga Rao. V (2019). Strength prediction of geopolymer concrete using ANFIS. Proceedings of '2 nd International conference onAdvances in civil Engineering' Organized by K L E F, Vijayawada, India, Scopus Indexed
◆ 39	◆ Siva Krishna. A, Ranga Rao. V (2019). Strength prediction of geopolymer concrete using ANN. Proceedings of '2 nd International conference onAdvances in civil Engineering' Organized by K L E F, Vijayawada, India, Scopus Indexed
◆ 40	◆ Siva Krishna. A (2018). Power Generation using Axial Wind Turbine on Highways. Proceedings of '1st International Conference on Recent Trends in Engineering, Materials, Management and Sciences (ICRTEMMS-2018)' Organized by Swarna Bharathi Institute of Science & Technology (SBIT), Khammam, India, Scopus Indexed

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◆ **Placement Details:**

1.	◆ Mohd Abdul Azhar Ahmed	◆ 15K41A018 7	◆ Aliens
2.	◆ NithinNaini	◆ 15K41A019 2	◆ Aliens
3.	◆ Puppala Sai Sree	◆ 15K41A019 6	◆ Aliens
4.	◆ Shaik Jaleel	◆ 15K41A014 9	◆ Justdial
5.	◆ Maduri Ganesh	◆ 15K41A018 3	◆ Epic Research
6.	◆ Theegala Vinay Raj	◆ 16K45A013 0	◆ Epic Research
7.	◆ SiluveruCyriinlohith	◆ 15K41A015 0	◆ Tata Projects
8.	◆ Velpula Bhavya	◆ 15K41A015 6	◆ Tech Mahindra
9.	◆ Vyamsanirevanth	◆ 15K41A01 A9	◆ Tech Mahindra

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◆ **Editorial Board:**

◆ **Chief Editor :**Dr. R. Gobinath

◆ **Staff Members :**N.Prabhanjan

◆ **Student Members:** Mulukalla Vikram & Ravva Gouthami

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