

ACS College of Engineering - Civil Dept.....!

Civil Engineering department was started in the year 2009 with an intake of 60. The institution is affiliated to Visvesvaraya Technological University, Belgaum and is striving to grow as one of the finest centers.

At ACSCE, department of Civil Engineering is one of the oldest branches and was started in the year 2009. The department has been imparting quality education to meet the technological advancement and industrial requirements. This has been made possible due to qualified and dedicated faculty, state of the art laboratories and infrastructure facilities.

The department offers an undergraduate programme leading to B.E. (Bachelor of Engineering) and a post graduate program M.Tech. (Master of Technology) in Structural Engineering in 2013 affiliated to Visvesvaraya Technological University, Belgaum and approved by AICTE New Delhi. The department has applied for research center for Ph.D. Research by VTU, Belgaum in 2016.

"It is not those who avoid doing work, but those who work without expectation of reward attain the highest goal"

.....Sri Krishna



Vision of the department:

“To achieve Excellence in Technology, Innovation and Research in ethical way to Lead and Serve the Nation”

Mission of the department:

Create and develop sustained environment of learning, to produce high caliber and dynamic Civil Engineers with due consideration of Economy, Ecology and Ethical issues of nation and to provide services to society and construction industry to assist in developing capabilities globally with respect to Science, Technology and Research.


Program Educational Objectives

- PEO#I: Graduates will able to apply fundamental principles of science, mathematics and engineering using modern tools to solve the societal and environmental problems.
- PEO#II: Graduates are able to use their practical, field survey, computer and analytic skills to build industry ready engineers to solve multi-disciplinary sustainable projects.
- PEO#III: Graduate applies innovative ideas to improve the technical competency in engineering decisions, lifelong learning, to equip leadership qualities in diverse teams, promote and practice appropriate ethical morale to become professional engineers.

Faculty info..!


Name Of Staff With Designation	Qualification
Dr. D. L. VENKATESHBABU Professor & HOD	BE, ME, PhD, MIE, MISTE, MICI, FIWWA, FACCE
DR. B. C. KUMAR RAJU. Asso. Professor	BE, M. Tech, PhD
DR. SANJEEVGADAD Asso. Professor	BE, M. Tech, PhD

Area of Expertise
Structural Engineering, Repair & Rehabilitation of structures, Development of Low Cost Building Materials
Remote Sensing and GIS
Remote Sensing and GIS



Name Of Staff With Designation	Qualification
MRS. G. GAYATHRI Assistant Professor	BE, M. Tech, (PhD)
MRS. KAVITHA Assistant Professor	BE, M. Tech, (PhD)
MRS. R UMADEVI Assistant Professor	BE, M. Tech, (PhD)
MR. SHIVA SHANKAR K M Assistant Professor	BE, M. Tech, (PhD)
MRS. INDUMATHY V Assistant Professor	BE, M. Tech
MRS. PALLAVI. HJ Assistant Professor	BE, M. Tech
MR. NIKHIL S SASTRY Assistant Professor	BE, M. Tech
MRS. MAMATHA Assistant Professor	BE, M. Tech

Area of Expertise
Environmental Engineering
Structural Engineering
Structural Engineering
Structural Engineering
Structural Engineering, Concrete Technology
Geotechnical Engineering
CAD Structures
Structural Engineering



Education is what remains after one has forgotten what one has learnt in school

.....Albert Einstein

Events

Date	Event	Topic	Resource Person
07-09-2017	Industrial Visit	BWSSB Water Treatment Plant	Prof. Gayathri G
13-1-2017	Seminar	3R's in Civil Engineering	E.r.R.K.Sunil CEO, 3-E SERVICES Bangalore
23-10-2017	Seminar	Real Estate Project - An Overview For Government Clearance	Dr.D.C.Sharma
03-11-2017	Seminar	Construction Management & Opportunities in civil Engg industries	E.r.Sriraman, E.r.Premkumar E.r.Ashok Kumar E.r.Narendran
08-11-2017	One Day Workshop	Application of Analysis	Bharathkumar BV
13-11-2017 to 15-11-2017	3 days Student Development Program	Ductile detailing for earthquake resistant structures	E.Nagaraj Sunil .R.K
6-03-2018	Seminar	Industrial Requirements on Structural Engineering	E.r. Syed Faizuddin

Date	Event
13-03-2018	Industrial Visit
26-03-2018	Seminar

Topic	Resource
T.K Halli Water Treatment Plant	Prof. Gayathri G
Career Orientation On Civil Softwares	E.r. Bikram Rana E.r. Mohan

RESEARCH



- Kumar Raju B. C. and L. Nandagiri (2017) "Analysis of Hydro-Meteorological Trends Over Upper Cauvery Basin", *Current science*, 112(3), 577-587
- Kumar Raju B. C. and L. Nandagiri (2017) "Assessment of Variable Source Area Hydrological Models in the Upper Cauvery Basin, India", *International Journal of River Basin Management*, 15(4), 1-12
- Kumar Raju B. C. and L. Nandagiri (2017) "Assessing Uncertainty of Variable Source Area, Hydrological Model in Harangi Watershed, Karnataka State, India", 37th IAHR World Congress, Kuala Lumpur, Malaysia.

- Gayathri G., Kumar Raju B. C., Dinesh Shankar Reddy and Beulah M. (2017) "Defluoridation of Ground Water Using Low Cost Adsorbents", *International Journal of Earth Sciences and Engineering (accepted for publication)*
- Ravi V and Naveen Kumar D.T (2017) "Seismic response of R.C multistoreyed building strengthened by dual column frame system" *International Research Journal of Engineering and Technology* Volume 04, Issue 09.

"For an entrepreneur, the ability to take calculated risks, irrespective of external factors is crucial."

..... Sir M. Visvesvaraya

Chief Editor - Dr. DL Venkatesh Babu, HOD, Civil

Editor - Nikhil S Sastry, Asst Professor

- Avinash A, and Naveen Kumar D.T (2017) "Comparative Study on Thermal Stresses in Steel Structure and Steel with Different Bracing Configuration" International Journal Of Innovative Research In Technology Volume 04, Issue 04.
- Ashwin Kumar, and Naveen Kumar D.T (2017) "Shear and Bending Response of RC Captive Columns from the Lateral Load" SSRG International Journal of Civil Engineering Volume 04, Issue 07.
- Shrinidhi L Bhilwadkar and Umadevi R (2017) "P-delta analysis and comparison of steel structure for different bracing system" International Journal of Advance Research in Engineering, Science & Technology Volume 4, Issue 12.
- Harshith A R and Tanuja M R (2017) "Analysis of the effect of tapering and slenderness ratio of steel chimney for lateral loads" International Journal of Advance Research in Engineering, Science & Technology Volume 4, Issue 6.
- Manu G L and Tanuja M R (2017) "Comparative behaviour of RC bridge with and without base isolation using non linear analysis method" International Journal of Advance Research in Engineering, Science & Technology Volume 4, Issue 6.
- S. Kavitha and T. Felix Kala (2017) "Effect of bamboo fiber in self compacting concrete partially replacing cement with ggbs and alccofine" International Journal of Civil Engineering and Technology (IJCIET) Volume 8, Issue 3.
- Praveen R Pujar and S. Kavitha (2017) "Comparative Study on Seismic Behaviour of RC Building With Shear Wall, Infill Wall and Bracing System" International Journal of Civil Engineering and Technology (IJCIET) Volume 8, Issue 5.
- Nayana A Y and S. Kavitha (2017) "Evaluation of CO2 emissions for green concrete with high volume slag, recycled aggregate, recycled water to build eco environment" International Journal of Civil Engineering and Technology (IJCIET) Volume 8, Issue 5.
- Nandini .K.G, and Pranathi Reddy.B (2017) "Study of Torsional Irregularity in Irregular Structure Provided with Lead Rubber Bearing Isolator" International Journal of Engineering Science and Computing, Volume 7 Issue No.6.

Improvement makes strait roads: but the crooked roads without Improvement are roads of Genius.

.....William Blake

Dr. Kumar Raju B C guided delegates in 2 days workshop on PRIMAVERA and QGIS for Software Application Lab on 17th and 18th March 2018 at RNSIT, Bangalore.

Dr. Kumar Raju B C delivered technical talk in Faculty Development Program on "Software Application Lab" at Raja Rajeshwari college of Engineering, Bangalore on 8th and 9th feb 2018

Dr. Kumar Raju B C attended National Workshaop on Sustainable Development of water, Solid Waste Management and Remedial Measures held at Dayanand Sagar College Of Engineering, Bangalore

Dr. Kumar Raju B C participated as a Conference Session Chair in 1st International Conference on Sustainable engineering Technology 2018 (IconSet 2018) on 19th and 20th April 2018 held at ACS College of Engineering



and lent him the money
re-search' /ri'sɔ:ʃ/
(plural) 1 serious
discover new facts
research into

Structural Engineering LabHighlights

1. Servo Electric Shake Tables (40Kg) and Experimental Models
Frequency: 0-20 Hertz, Amplitude/Stroke: 0 to 1000mm (+ 50 mm),
Input Power: 230 Volts AC Base Motion: Random, Sine etc
2. NDT Equipments
Rebound Hammer Test, Ultra sonic Pulse Velocity Test, Rebar
Loactor

Environment lab

BOD Incubator, COD Digester, Conductivity meter, Jar test apparatus, Autoclave, Student microscope, Muffel furnace, Hot air oven, Imhoff cone, Digital colony counter, Spectrophotometer, Digital flame photometer, Digital conductivity meter, pH meter, Digital nephelometer, Electronic balance, Conical flasks, BOD Bottles

Fluid Mechanics Lab

Impact of jet on vanes, Pipe Friction apparatus (Minor & Major Losses) Flow Nozzle apparatus, Rotameter setup, Orifice Meter apparatus, Venturimeter apparatus, Vertical orifice apparatus, V-Notch apparatus, Pelton Wheel Turbine, Kaplan Turbine, Francis Turbine, Centrifugal Pump Test Rig, Multistage Centrifugal Pump Test Rig, Reciprocating Pump Test Rig, Venturi Flume, Ogee weir,

Consultancy and Testing

Department is well equipped to take up consultancy and testing on the following areas

- Test on building materials as per IS Codes.
- In-situ properties of RCC structures using NDT i.e. Rebound Hammer Rebar Locator & UPV.
- Test on water and wastewater as per IS Codes.
- Test on Properties and SBC of Soil

Geology Lab

Teak wood modular's, Brunton compass braces, Pocket lenses, Pocket magnet, Steak plate, Geological knife, Rock samples, Mineral samples

Geotechnical Engineering Lab

Sieve shaker (motorized), Triaxial testing machine, Lateral pressure assembly, Vane shear apparatus, Compaction apparatus, CBR testing machine, Consolidation apparatus, Permeability apparatus for soil, Direct shear apparatus, Liquid limit devise

Concrete & Materials Lab

Aggregate Crushing Value apparatus, Aggregate Impact Value Test, Pycnometer with Brass cone, Loss Angles Abrasion Testing Machine, Flakiness Index (Length gauge) Elongation Index, Standard Penetrometer for Bitumen, Ductility testing Machine for Bitumen, Buoyancy balance, Le-chatlier mould, Slump cone test apparatus,



Engineers like to solve problems. If there are no problems handily available, they will create their own problems.



INDUSTRIAL Visit

Of 8th sem Students to RMC Plant

Industrial Visit by 6th sem students to Bangalore Water Supply and Sewage Board

Location: T K Halli Water Treatment Plant, Thoraikadanahalli,



Art Without Engineering is Dreaming. Engineering Without art is Calculating.
.....Steven Roberts





Felicitation by 8th sem students on May 18th 2018



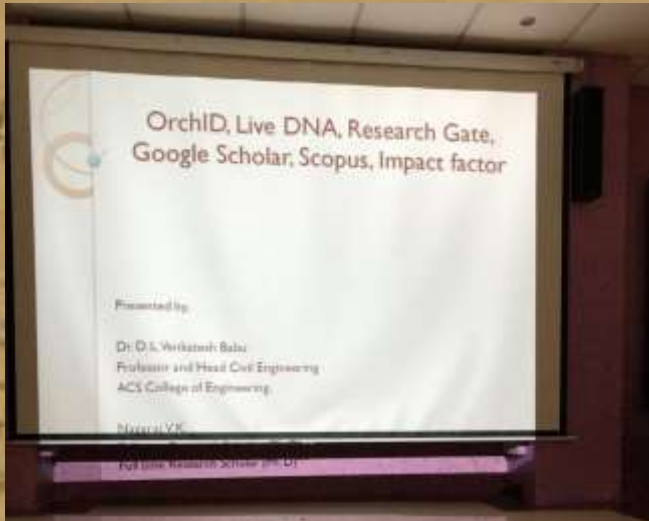
Guru Vandana

ACS College of Engineering
 ISO 9001:2015, ISO 14001:2015, ISO 27001:2013
 AICTE Approved, Affiliated to JNTU, Hyderabad
 (A Star & A Grade Institution by All India Council for Technical Education)

GNRM'18

AICTE-ISTE Sponsored Induction Programme On
GEOINFORMATICS FOR NATURAL RESOURCE MANAGEMENT [GNRM'18]
 16th to 21st July, 2018





Forth
Coming
events..!

 **ACS College of Engineering**
Approved by AICTE New Delhi, Affiliated to VTU, Belagavi
(A Unit of RajaRajeswari Group of Institutions)

 **One Day Workshop** 
On
“QUALITY MANAGEMENT SYSTEMS”
(ISO 9001:2015 and Construction Quality)
On
17th August 2018

Organized by
Dept. of Civil Engineering
ACS College of Engineering
Bangalore

In association with
 **ACCE (I)**
ASSOCIATION OF CONSULTING CIVIL ENGINEERS (INDIA)

In collaboration with
 **Indian Concrete Institute**