## About K.S.S.E.M

The Kammavari Sangham, established in the year 1952, is a non-profit oriented voluntary service organization. The organization was created with the objective of providing charitable service to the community and society. The Sangham has diversified its activities since its establishment over five decades ago. Now it has expanded its horizons to include community-strengthening ventures, providing education, mechanical and financial support to the society.

With a firm belief that quality education only can lay a strong foundation for bringing about economic and social changes to the lives of millions, the Sangham went about establishing educational institutions, starting with K.S. Polytechnic in 1992. Enthused with this success of its foray into technical education, the Sangham then started the K.S. Institute of Technology (KSIT), its first Engineering College in the year 1999. In the following years both these institutions have carved for themselves an enviable niche through academic excellence achieved in a very short span of time. Following the success of KSIT, the Sangham ventured onwards to start yet another technical institution, oriented towards advanced studies and research, and thus, the K.S. Group of Institutions (KSGI) was born in 2010. KSGI was renamed as K.S.School of Engineering & Management in 2011.

## About Civil Engineering Department

The Department of civil engineering is established in the year 2010 and offers four year course leading to Bachelor degree in Civil engineering affiliated to Visveswaraya Technological University, Belgaum.

The Department aims at producing eminent Civil Engineers for the nation and also across the globe. The Department has eminent faculty with wide range of experience in consultancy, research, teaching, training and field experience which will help the students to gain practical knowledge which is very essential for their future endeavors. Civil engineering is the broadest of the engineering fields. Civil engineering focuses on the infrastructure of the world which include Water works, Sewers, Dams, Power Plants, Transmission Towers/Lines, Railroads, Highways, Bridges, Tunnels, Irrigation Canals, River Navigation, Shipping Canals, Traffic Control, Mass Transit, Airport Runways, Terminals, Industrial Plant Buildings, Skyscrapers, etc.

## Research and Consultancy:

Department of Civil Engineering is actively into research and consultancy. Certification of cube testing is done for builders. The consultancy wing also is into design as well as preparing structural drawing. Department has completed a project on Parametric study of heat island effect due to urban sprawl in Bangalore city "funded by VTU for an amount of Rs. 9.1 lacs.

## Department student Forum – ARCVIL

The Technical association was inaugurated on 21/2/2011 at Aryabhata Hitech Seminar Hall, K.S. Group of Institutions, Bangalore. Students organize various programs, site visits and industrial trips through the student association ARCVIL.

## WORKSHOP & SEMINARS CONDUCTED

**Workshop on Total Station on 27th & 28th January 2012 for 4th sem Civil Engineering Students:**

Students of 3rd semester civil engineering during their vacation underwent "Training program on Total Station for two days i.e., 27/1/12-28/1/12. The workshop comprised of theory, hands on experience and real time execution problems of survey practice. The program was trained by industrial experienced staff for two full days. The students also learned/ trained on data transferring and processing software which added advantage in the training program. The students were given certificates and the entire program was benefited to the students.

**Seminar on Drafting Software by CADD-CENTRE-28/04/2011** The CADD-Centre, Bangalore gave a presentation on "Introduction to Drafting Software" for our students on 28/4/2011. The students were exposed to CADD tools including RIVET software and case studies related to civil engineering were demonstrated.

**Students have undergone two month training on Quantity surveying in the college premises. Various experts from the industry have given them hands-on experience.**

**Students have been trained on Mix design by Ultra tech for 3 days in our concrete lab. They have been able to design mixes of higher strengths.**

**Department of civil engineering with association of IGBC Indian green building council, trained the students to document the green buildings for platinum, gold and silver ratings.**

## SPORTS

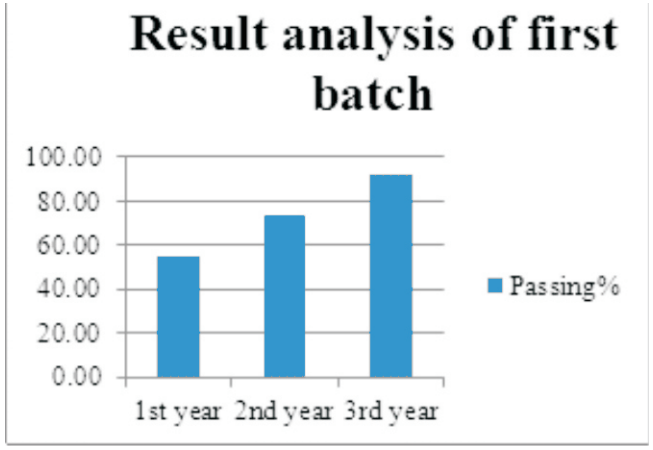
Students of civil engineering department participated in various sports and cultural programs. Students also participated in inter college competition and VTU team.

## STUDENTS ACHIEVEMENTS

## MODEL MAKING

Students showed their own talents in making different kinds of paper models, projects, Collage, paper art etc.

## RESULTS



## SITE VISITS

Visit to TK – Hally Water Treatment Plant On 15/03/2013. It is one of the largest treatment plant in Asia. The various steps in the treatment are FILTRATION, AERATION, FLASH MIXTURE, CHLORINATION, SLUDGE THICKNER etc.

Site Visit to SOBHA DEVELOPER's Manufacturing Units On 13/03/2013. Students of 6th semester visited Various Manufacturing units of Sobha Developer's namely, Glazing Unit, Carpentry Unit, Concrete Block Division.

Traffic Survey by 5th sem Students on 27/09/2012 Students of 5th semester Civil, conducted a Traffic Survey at KSIT – Kanakapura Road Junction as the traffic jam was a menace for travellers. As though it was not in academics students was taught how to survey, analyse, find the traffic volume and the solutions to reduce Traffic Jam.

Students of Civil Engineering are periodically taken to site visits by enthusiastic Faculty. Students have visited Ready Mix Concrete Plant (Hosur Road), Metro sites, Kanva Reservoir (60 km from Bangalore), Residential School near Sajjapur, R.V.Architectural School near Kanakapura Road etc to name a few.

## STUDENTS IMPROVEMENT PROGRAMME

The following Programs are conducted by Department of Civil Engg to improve the employability of the student.

- QUANTITY SURVEY COURSE.
- MIX DESIGN BY ULTRA TECH.
- GREEN BUILDING DOCUMENTATION.
- STAAD PRO, E – TABS.
- AUTO CAD, AUTO PLOTTER.
- PLACEMENT TRAINING
- HIGH RISE STRUCTURAL DESIGN

## FACULTY PROFILE

The Department of Civil Engineering has well qualified faculty with specializations which include structural engineering, geotechnical, transportation, G.I.S, Environmental Engineering.

The laboratories are well equipped with latest state of art equipment. The testing facilities are available and the department of civil engineering is actively involved in research and consultancy.

The department has taken various initiatives to reduce the gap between academics and industry.

**Extra-curricular activities**

PAPER PRESENTATION: Students have actively participated in various conferences by presenting papers. They also actively participated in various activities like CAD and surveying competitions.

MANAGEMENT of K.S. GROUP OF INSTITUTIONS

- President: Sri. K. SUBRAMANYAM NAIDU
- Secretary: Sri. S.R. NAIDU
- Treasurer: Sri. M.SRINIVASA MURTHY

**ADVISORY BOARD**

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Kammavari Sangham (R) 1952

K. S. GROUP OF INSTITUTIONS

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## DEPARTMENT OF CIVIL ENGINEERING

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