



S.A. ENGINEERING COLLEGE

NBA Accredited & ISO 9001-2008 Certified Institution, Affiliated to Anna University

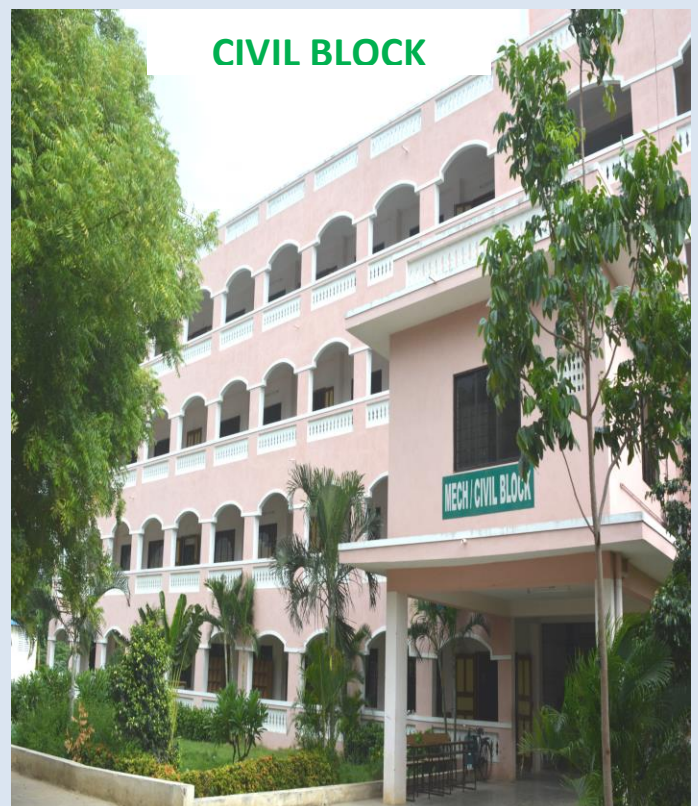
The Newsletter of

Department of Civil Engineering

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About CE

The Department of Civil Engineering started during 2011-2012 with an aim of promoting high quality education in the field of Civil Engineering. The department presently having an intake of 120 students per batch and it has well equipped laboratories. A demonstrated capability of the department is endorsed by the on-going sponsored and a curiosity driven research project besides consultancy works. Presently twenty one Dynamic, Experienced and committed faculty with more accountability is strength of the department. Besides this, State-of-the art equipment and different flavours of GIS & IMAGE Processing and structural engineering software are being exploited to inculcate professional skills. The core competency of the department is evidenced by the on-going research programmes sponsored by the various agencies like Ministry of Science and Technology, Government of India and Tamil Nadu State Council for Technical Education, Government of Tamil Nadu.

Vision

To be a centre of excellence in the field of Civil Engineering and to create the new technology for future requirements with the necessary knowledge, skills and attitudes of Civil Engineers who can be entrusted by the society to lead a sustainable world with enhanced quality of life.

Mission

To prepare effective and responsible graduate engineers for global requirements by providing quality education.

- To constantly strive to improve pedagogical methods employed in delivering the academic programs.
- To impart sound technical competency to students according to the needs of the changing world.
- To conduct basic and applied research to enhance intellectual property.
- To provide consultancy to the neighborhood and cultivate the spirit of entrepreneurship.

Department Activities

Our staff members have attended Skill Development Programme on **Disaster Management** at S A engineering college which was conducted by Mr. Azhagar Senthil, State President, ACPR and Tamil nadu Fire safety Department on 15.07.2017.

On behalf of department of civil engineering we have going to start a research Centre on “**Geo Spatial and Structural Research Centre**” (GEOSS) in our college premises. Under the name of this centre, the following research and consultancy works are carried out:

- Applications of Geospatial Technology for Natural Resources and Disaster Management.
- Remote Sensing and GIS applications for Global change and Geo-Environmental change research.
- Remote Sensing and GIS applications for Coastal and ocean research.
- Land Surveying and mapping using GIS, GPS and Electronic Total Station for construction and planning.
- Material testing for building constructions like, Cement, Aggregate, Steel, etc.,
- Soil characteristics testing for foundation of the structures.
- Material testing for road constructions like, bitumen, aggregate, soil.
- Performance characteristics testing of Concrete.
- Tests on water Quality characteristics & sewerage characteristics.

On behalf of department of civil engineering we are going to initiate the **Indian Concrete Institute (ICI)** chapter with 4 faculties of having life time membership and 57 students from the second and third years' students of civil engineering.

1. Mr. Raj Anandh R, AP/Civil
2. Ms.Dhanalakshmi G, AP/Civil
3. Ms. Supriya S, AP/Civil
4. Mr. Saravana Kumar S, AP/Civil

The current on-going research project title of “**Detection and Discrimination of Coral Reefs Using Hyper-Spectral Data**” under the scheme of Inter Disciplinary Cyber Physics System (ICPS) sponsored by Ministry of Science and Technology, Department of Science and Technology, Government of India and the amount sanctioned Rs.26,58,700/-



Guest Lecture

A guest lecture was delivered by **Dr.G.Sekaran**, formerly **chief scientist** and cluster chairman, environmental technology division, central leather institute, Adyar, Chennai on **A great scope of municipal waste water for industrial and agricultural applications – Hour of the need** on 30.06.2017 for IV Year students.



“Math is my Passion.

Engineering is my Profession.”

— Wilfred James Dolor

A guest lecture was delivered by **Mr. SUNIL VARMA**, **Managing Director**, Geospatial Technologies & amp; Consultants, Padmavathi Street, Porur on **Advances in Modern Surveying** on 13.07.2017 for II Year students.



A guest lecture was delivered by **Dr.A.R.SANTHAKUMAR**, **Former Dean and Chairman** of Faculty of Civil Engineering, Anna University, Chennai. Former Emeritus Professor, Indian Institute of Technology, Madras on “**Earthquake Resistant Building Structures**” on 14.07.2017 for IV Year students.

A guest lecture was delivered by **Mr.N.V.Rajith Kumar**, **Project manager** – Civil, L& T Building and factories, Porur, Chennai on **An Embedded retaining structures and geo technical investigations** on 19.07.2017 for III Year students.



Workshop

Two days National workshop on **Advances in Geo spatial technologies for natural disaster management** sponsored by SERB & TNSCST was organized to the faculties of civil engineering department from various colleges. The chief guest **Dr.R.Ramesh, Director**, National centre for sustainable coastal management, Ministry of environment, Forest and climate change, Government of India, Chennai campus on 15.06.2017 & 16.06.2017



Our students have attended Women Empowerment programme on “**Her health hygiene**” on 21.07.2017.



Industrial Visit

Industrial visit for third year students to **CVRDE** (Combat Vehicles Research and Development Establishment), Avadi, Chennai on 28th July 2017.

Value added courses

- ❖ Design and Drafting of a structure through **AUTOCADD** for second year students for two weeks by **Industrial Experts**, Avadi, Chennai.
- ❖ Design and analyzing of a structure through **Stadd.Pro** from Autodesk solutions for final year students for ten days by **Industrial Experts**, Anna Nagar, Chennai

Student Activities

- ❖ Our students were participated in the **HUMAN CHAIN** on remembrance of **Dr.A.P.J.Abdul Kalam** organized by NSS unit of S A Engineering College on 27.07.2017 in college premises.



Students of civil engineering department have participated in international day of **YOGA** programme on 21.06.2017.

Faculty Development Programme

- ❖ Faculties of civil engineering department have participated in one day instruction training programme trained by focus academy for **career enhancement** on 17.06.2017

Note: The Editorial committee invites articles from staff members and students on various topics of academic, personal development, etc. Articles may be mailed to: ponnurangamp@saec.ac.in