

## SAEC NEWLETTER

(JULY – SEPTEMBER 2023)

### STUDENT ACTIVITIES

#### EVENTS ORGANIZED FOR STUDENTS

##### 1. Guest Lectures



### **S.A. ENGINEERING COLLEGE**

(An Autonomous Institution, Affiliated to Anna University, Chennai)  
Accredited by NBA, NAAC with 'A' Grade & ISO 9001:2015 Certified Institution  
Poonamallee - Avadi Main Road, Thiruverkadu, Chennai - 600 077.



**DEPARTMENT OF CIVIL ENGINEERING**

**ORGANIZES**

## **GUEST LECTURE**

**Civil Industry Connect- BIM & Structural**



We Cordially invites,

**Mr. Akbar Ali Khader ME, C.Eng(I)**

**CEO & Managing Director**

**KHAAS Group**

August 18, 2023 / Friday / 10:30 am - 12:00 pm

Venue : Civil Seminar Hall



S.A. Engineering College (Autonomous).  
+91 9840687045 / saec@saec.ac.in / www.saec.ac.in

Guest lecture was organized in civil department on the topic on “**Civil Industry Connect –BIM on 18<sup>th</sup> August .Mr.Akbhar Ali Khader, CEO and Managing Director KHAAS** group gave an insight to our students on the career path and software’s used in the Civil Engineering . He briefly enumerated the usage of BIM software .The guest lecture gave a deep insight to our students on the various job opportunities available and greatly motivated our students to understand the current scenario in Civil Engineering .

 <p><b>S.A. ENGINEERING COLLEGE</b> (An Autonomous Institution, Affiliated to Anna University, Chennai) Accredited by NBA, NVAAC with 'A' Grade &amp; ISO 9001:2015 Certified Institution Poonamallee - Avadi Main Road, Thiruverkadu, Chennai - 600 077.</p>  <p><b>DEPARTMENT OF CIVIL ENGINEERING</b> ORGANIZES <b>GUEST LECTURE</b> ON <b>21-08-2023</b></p>  <p><b>"RECENT TRENDS IN CONCRETE TECHNOLOGY"</b></p> <p><b>Ms.D. Hindumathi</b> Junior Engineer Zion Construction Chennai- 600049</p> <p><b>Venue - Civil Department @ 2.30pm</b></p> 	<p>Guest lecture was organized in civil department on the topic “<b>Recent Trends In Concrete Technology on 21<sup>st</sup> august. Ms. D. Hindumathi, Junior Engineer Zion Construction, Chennai</b> was the guest speaker for this session. She emphasized on green building concepts and energy efficient materials used in the construction industry. The Guest lecture on recent trends in concrete technology was informative and inspiring showcasing the industry’s forward looking approach to addressing the challenges of sustainability and performance in construction.</p>
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**DEPARTMENT OF CIVIL ENGINEERING**  
 ORGANISES  
**GUEST LECTURE**  
 ON  
**MODERN TECHNIQUES IN SURVEYING**

**C.SELVARAJ**  
 MANAGING DIRECTOR  
 ATHIRA GEO SPATIAL SERVICES PRIVATEE LIMITED  
 CHENNAI - 600 100

**DATE**  
20.09.2023

**TIME**  
11AM TO 12PM

**CIVIL SEMINAR HALL**

[www.saec.ac.in](http://www.saec.ac.in)  
 (044) 2680 1999



Guest lecture was organized in civil department on the topic “**Modern techniques in surveying**” on 20th September. **Mr. C.Selvaraj, Managing Director, Athira Geospatial Services Private limited** was the guest speaker for the session. He emphasized on the usage of modern surveying instruments and technologies incorporated in the field. With the advanced surveying instruments LiDAR, GPS and drone based surveys. His lecture shed light on the evolution of surveying methods in the digital age and profound impact on various industries.



## 2. Industrial Visits



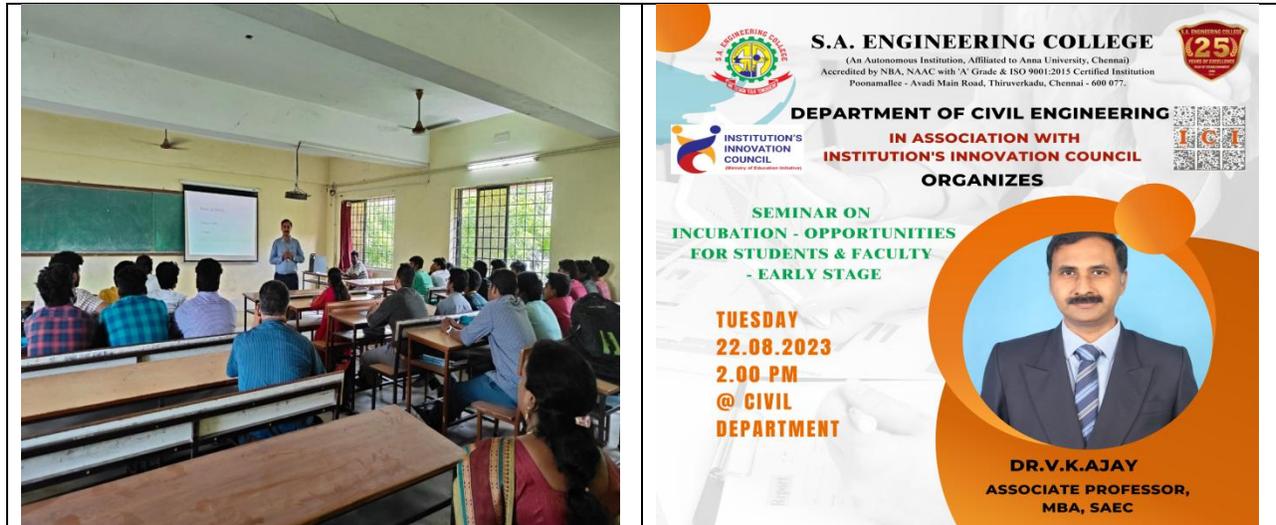
The **third year students** of Civil Engineering department as a part of the curriculum to gain practical knowledge went on an industrial visit to the site **ARETE HOMES**, Ponneri, Chennai on 22<sup>nd</sup> September. and learnt about Mivan framework system which was incorporated as the structural design. They also briefed about the shear wall and load transfer mechanism of buildings in detail to the students. New age construction techniques like Prestressed concrete panels was used in club house construction in that site and students gained knowledge about installation and erection of prestressed structural elements. The students were able to visualize the advancements in infrastructure design and construction.

### 3. Value Added Course



The value added course on **ETABS** (Extended Three Dimensional Analysis of Building System) was conducted for the third year students from (23.8.23-30.8.23) provided valuable insights and practical knowledge in the field of structural analysis. The course covered various aspects of ETABS from its interface and basic functions to more advanced modelling and analysis techniques. The value added course on ETABS offered a commendable educational opportunity for those interested in structural engineering and building analysis.

#### 4. Webinars / Seminars



**Dr. V. K. Ajay**, Associate Professor in Master of Business Administration delivered a seminar on 22<sup>nd</sup> August about the "Incubation Opportunities For Students and Faculty" his speech gave a deep insight on how to establish startups and develop entrepreneurship skills. The ideology was related to open many establishments. His speech was highly motivating to the students to become a successful entrepreneur in the society.

## STUDENTS ACHIEVEMENTS



In the “**IDEATHON CONTEST**” for the **best business plan** conducted by our college in association with **Institutes Innovation Council, Santhosh Kumar. S** of third year Civil Engineering department won the **runner up** trophy.



**Abhishek. I** of third year Civil Engineering department won **second prize** in **CADD contest** at the National Level Technical Symposium organised by St. Joseph’s Engineering college on August 5<sup>th</sup> 2023.

## PLACEMENT & HIGHER STUDIES

### Placement Activities:

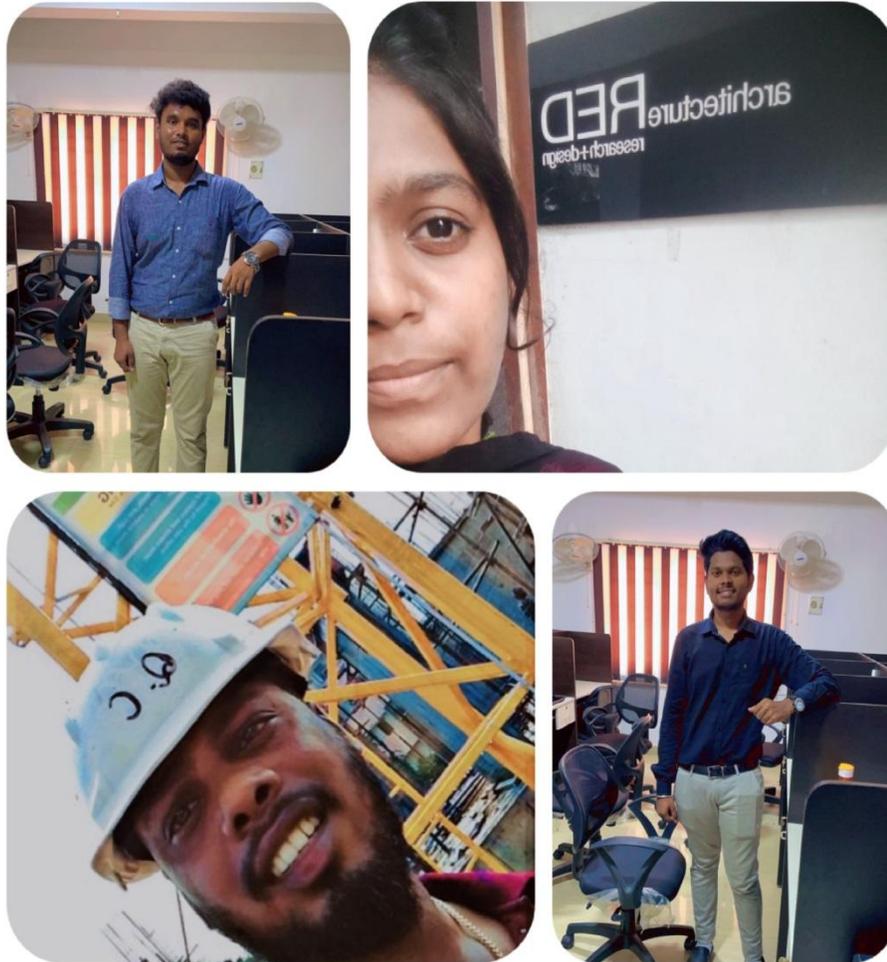
#### 1. Trainings Organised



**TNSCST sponsored program (science and technology) capacity building for industrial needs** was conducted on 12<sup>th</sup> September for six days in two phases . Various industrial and technical expertise have addressed students on the behavioral and skill developments based on current industrial needs

Photos with reports for about 5-10 lines

## 2. Internships / Implant Trainings



- Pre final year students have been selected for Internship in various firms and performing their Intern effectively.
- Out of 14 pre final year students , 12 students got intern in core company
- Meking India Pvt ltd had hired a student as permanent employee.

Details to be given in bulleted points (photos if available)

### 3. Trainings attended outside the institution

Details in bulleted points (Photos if available)

### **Entrepreneurship activities**

1. Awareness and all other related programmes organized
2. Start ups – Details with the photo

### **Higher studies**

1. Awareness and all other related programmes organized with photos
2. Details of Alumni pursuing higher studies with photo

### **Alumni interactions**

Programme organized and the photo with report for about 5-10 lines

Alumni achievements - Top positions, awards received

### **IndustryInstituteinteraction**

MOU

Details of activity with photo

### **Women Empowerment Cell**



Women Empowerment Cell And Center For Placement Training in association with **KYNDRYL** organized “**Career Readiness Program**” on **5<sup>th</sup> October** The program was an eye opener to the students on how to be career ready before leaving the institution.

### **Sports Activities**

**List of Events organized – details with photo**

### **Sports Achievements**



**Asmitha Jersita** of Second Year Civil Engineering won the winners position in the women's table tennis competition 26-27<sup>th</sup> september at **Zonal Level**.

### **Sports events organized outside our college**



Second Year Student **Gowtham. M.S** of Civil Engineering Department was a part of the runner up team in **cricket tournament at district level competition held at Kaligi Ranganathan Montford School ,Perambur on 15<sup>th</sup> August** and won cash prize of forty thousand rupees

## **NSS Activities**



**#Kauveryhospitalradialroad**  
**#maakauvery**  
**#PCOSawarenesswalkathon**

**maa**  
**kauvery**  
women & child care centre  
Radial Road

**kauvery**  
hospital  
Radial Road

“PCOS AWARENESS WALKTHON” was organized by **Kauvery Hospital** on 24<sup>th</sup> **September** in association with **ExNoRa International**, in this event our **students Harish kumar R, Gukan S, Aravindan K, Jason Philip A and Gibson Kishore of second year and Dilip Poovarasan S and Yuvaraj P of third year** played a small role in creating awareness about PCOS to the society .

### **Research & Development Accomplishments**

**Ms. Karthika V**, Presented and published paper titled “**Study on Coconut Shell Aggregate Behavior and the Use of Super Absorbent Polymer as an Internal Curing Agent**” in International Conference on Advances and Innovations in Recycling Engineering, Advances in waste Management, 2023, 301 LNCE, pp. 201–210

**Ms. Karthika. V**, published paper “**Exploring The Performance Of Voided Concrete Slabs Utilizing Geopolymer Technology**” in the Journal of the Balkan Tribological Association. 2023, 29(3), pp. 390–399.

**Mr. G. Vinoth Kanna**, published paper “**Enhancing Rice Yields In Red Soil Through Azotobacter Cultivation**” in the Journal of Oxidation Communications, 2023, 46(2), pp. 489–498.

**Mr. G. Vinoth Kanna**, published paper “**Spatial Temporal Variations Of Water Hyacinth In A Delayed Fisheries System**” in the Eur. Chem. Bull. 2023, 12(Special Issue 4), 4329-4345

### **Patents**

- Patent is filed on the topic “**Concrete Mixer Machine**” by **Mrs. Deepana. G**, Assistant Professor, Department of Civil Engineering. This novelty of machine is based on shape and configuration.
- Patent is filed on the topic “**Effects of Partial replacement of cement with Hypo sludge in Concrete**” by **Mr. Vinoth Kanna. G**, Assistant Professor, Department of Civil Engineering.

### **.Research Proposals, Consultancies**

Details in bulleted points with photos

- **Dr.M.Thanikachalam** has Submitted a Proposal on “**Investigation And Prediction Of Urban Sprawl And Land Use Changes Using Geospatial Techniques For Chennai**”

**City Tamilnadu ”** to Tamilnadu State Council For Science And Technology with a fund request of 4,85,000/- on 2.8.2023.

- **Dr.M.Thanikachalam** has Submitted a Proposal on “**Deduction and discrimination of mangrove ecosystem ”** to Department of science & Technology with a fund request of 43,86,500- on 7.8.2023
- **Dr.M.Thanikachalam** has Submitted a fund request on “**Recent Advances in Land Surveying and Mapping”** to All India Council for Technical Education with a fund request of Rs.1,00,000/-

#### Pursuing Ph.D

1.**Ms. Karthika V**, Pursuing Ph.D from Anna University on the topic “**Photocatalytic degradation of pharmaceutical compounds in aqueous environment”** and has completed confirmation on 30.03.2023.She has developed a photocatalytic reactor for performing her experiments, which has also been filled for Patent.

2. **Mr.G.Vinoth Kanna** is pursuing Ph.D from SRM University has completed Course work. His research topic is “**Health monitoring of heritage buildings”**

3.**Mr.S.Saravanakumar** is pursuing Ph.D from SRM University on the topic “**Assesement of pollutants in water sediments of pallikaranai marsh land**