



**STELLA MARY'S COLLEGE OF ENGINEERING**



(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai)  
Aruthenganvilai, Kallukatti Junction Azhikal Post, Kanyakumari District-629202, Tamil Nadu, South India.

**Civil  
News  
Letter**

**Department Of  
Civil Engineering**

**Race**

Rein4z Association of Civil Engineering

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# VISION

**To provide world class technical education with ethics and professionalism and to create civil engineer with high technical competencies who would full fill the challenges and needs of today's scenario with the help of green technology.**



# MISSION

- **To impart quality technical education, imbibing lifelong learning and concern for environment.**
- **To create job opportunities in research, industry and consultancy both nationally and internationally.**
- **To provide technical skills, leadership qualities and team spirit among the students.**
- **To establish center of excellence in emerging areas of research to find solution to the problem faced by the society.**

## From the Chairman's Desk



Learning should be based on doing things and not merely knowing things. Until and unless learning solutions relate to real life and motivate the learner to acquire and apply the knowledge, the whole process will remain superficial. Any Engineering Department worth its name looks to optimize the productivity of global leaders. The Department has set specific objectives and planned activities for achieving excellence in all spheres of technical education. People who feel good about themselves produce good results and people who produce good results feel good about themselves. We also believe in total learning and sharing.

- Dr. NAZERATH CHARLES



## From the CEO's Desk

In spite of being the oldest discipline, it is still evolving and many new developments are taking place, to make their constructions less costly and affordable, environment friendly and more safer. Lot of research activities are going on in the form of low cost housing, green buildings, constructions which can withstand severe weather and natural calamities. I am happy that Department of Civil Engineering at SMCE is keeping up with times by framing and teaching syllabus which includes current trends and also carrying out research activities. The innate desire to bring this newsletter shows their unique identity. I compliment the faculty of Civil Engineering Department for their initiative and wish them all the best in all their future Endeavours.



- Mr. CAROL JUDESON

## From the Director's Desk

Education should be propagated, absorbed and implemented in such a way that it could be felt physically as well as instinctively. Notable reforms in educational sector have shifted the paradigm from 'no ledge' to 'knowledge' that certainly is an impending sign of growth, development, and success of an individual in micro context and nation as a whole in macro conjuncture. It is undoubtedly a meticulous initiative taken by SMCE to make approachable the quality education to every aspirant who wishes to make his/her career a promising and meaningful one.

- Mr.P.RENJITHAM



## From the Principal's Desk



Success is born of Action, which further means, "Success is sweet but its secret is sweat". This simply is the reason to have trust in hard work that showers sprinkles of achievements and success on our I'm extremely happy to witness the same fire of success in the temperament and enthusiasm of our students. I'm extremely proud to be the chief protagonist of such a fabulous educational fraternity which attempts to display the spectacular spectrum of talent residing in the cognitive domain of the students.

-Dr.R.SURESH PREMIL KUMAR



## From the HOD's Desk



Civil Engineering is a professional engineering discipline that deals with the design, construction and maintenance of the physical and naturally built environment, including works such as bridges, roads, canals, dams and buildings. The combination of (Civil engineer + teacher) is our added strength. Our department has a team of qualified and experienced faculty and staff members. Students enjoy the regular industrial visits, Plant visits & Extensive survey project based on their curriculum and scope of the study. That's why SMCE has been the first choice since last couple of years in Civil Branch along with all other branches in the entire region. We always work with the motto "NOTHING CAN BE ACHIVED WITHOUT A TRUE EFFORT"

-Dr. N.VALLAL PERUMAL

## ABOUT THE DEPARTMENT

A warm and affectionate welcome the department of Civil Engineering at Stella Mary's College of Engineering. The Department emerged in the year 2014 and has endowed with quality and excellence to provide all facilities to each individual with an approved intake of 60 students. In broad sense, Civil Engineering is a combination of various fields such as Structural Engineering, Environmental; Engineering, Highway Engineering, Geotechnical Engineering, Concrete Technology etc. Our Department has a team of qualified and experienced faculty members and well equipped laboratory. We are striving hard continuously to improve upon the quality of education and to maintain its position of leadership in engineering and Technology.



# Program Outcomes (POs)

- 1. Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.**
- 2. Problem analysis: Identify, formulate, review research literature, and analyse complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.**
- 3. Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.**
- 4. Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.**
- 5. Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.**
- 6. The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.**



- 7. Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts and demonstrate the knowledge of, and need for sustainable development.**
- 8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.**
- 9. Individual and team work: Function effectively as an individual and as a member or leader in diverse teams, and in multidisciplinary settings.**
- 10. Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.**
- 11. Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.**
- 12. Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and lifelong learning in the broadest context of technological change.**

## Program specific Outcomes (PSOs)

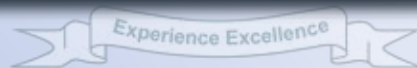
**PSO 1 : Applying concepts and solving problems in the branches of Civil Engineering such as Structural, Environmental, Hydraulics, Construction Management, and Geo technical Engineering.**

**PSO 2 :Assess the environmental impact of various projects and take required measures to curb environmental deterioration**

**PSO 3 :Able to use latest soft wares pertaining to various streams of Civil Engineering.**



## Program Educational Objectives (PEOs)



●**PEO1: Graduates will have a successful career in the field of Civil Engineering by meeting the needs of industries or will become entrepreneurs.**

●**PEO2: Graduates will have a sound foundation in engineering fundamentals which is necessary to analyse engineering problems and the ability to persue higher studies.**

●**PEO3: Graduates will work collaboratively on multi-disciplinary projects by engaging in life-long learning process throughout their professional life.**



# Faculty Profile

## Teaching Faculty

**Name: Dr. N.Vallal Perumal**  
**Designation: Head, Associate Professor**  
**Qualification: M.E, Ph.D**

**Name: Mr. T.Ragin**  
**Designation: Assistant Professor**  
**Qualification: M.Tech**

**Name: Mr.S.Ravi Kumar**  
**Designation: Assistant Professor**  
**Qualification: M.E**

**Name: Mrs.Sworna K.Jancy Bai**  
**Designation: Assistant Professor**  
**Qualification: M.E**

**Name: Mrs. N. Agnes Flora**  
**Designation: Assistant Professor**  
**Qualification: M.E**

**Name: Mr.G.Amritha Gokul**  
**Designation: Assistant Professor**  
**Qualification: M.E**

**Name: Mr.J.Prakash Arul Jose**  
**Designation: Associate Professor**  
**Qualification: M.E**

**Name: Mr.T.Vijayan**  
**Designation: Assistant Professor**  
**Qualification: M.E**



**Name: Mrs. S. Indira**  
**Designation: Assistant Professor**  
**Qualification: M.E**

## Non -Teaching Faculty

**Name: Ms. M.Ashni**  
**Designation: Assistant Professor**  
**Qualification: M.Tech**

**Name: Mr.Satheesh**  
**Designation: Lab Instructor**  
**Qualification: B.E**

**Name: Mrs.R.K.Madhumathi**  
**Designation: Assistant Professor**  
**Qualification: M.E**

**Name: Ms.A.Anusha**  
**Designation: Lab Assistant**  
**Qualification: B.E**

# In House Events organised

## Seminar

**Seminars were conducted in the topics of current trends in order to impart technical and practical knowledge in students. Resource from various industries were invited to share their knowledge with faculty and students.**



# Workshop

**Workshops were conducted in various topics to bridge the gap in the curriculum and to meet the needs of the industries. Resource persons from various institutions and industries were invited to deliver the lectures of current importance.**



# Value Added Course



Experience Excellence

**Value added course/certification course was offered to the students to improve their technical and employability skills. Courses on recent softwares were introduced to equip them to meet the current industrial trends.**



## Pongal Celebration

**Pongal is a harvesting festival or it can be considered as the 'thanksgiving' festival celebrated in the Indian state TamilNadu, was celebrated on 14th January in our college by our faculties and students.**



## PTA



**PTA is actively involved in aiding smooth functioning of the college. The executive committee chaired by the HoD coordinates the activities of the PTA. Its efforts are oriented towards improving facilities in the college. It also aims in improving the personality and learning skills of their wards.**

# Industrial Visit

**Industrial visit is an opportunity for the students to gain the practical knowledge on the functioning of various industries and it also paves a way to interact with the experienced persons working in the industry. The Students will also be exposed to the materials and machines involved in the production and manufacturing units. They also will understand the importance of teamwork while interacting with the employees.**



# Student Participation

<b>S.NO</b>	<b>Name</b>	<b>Event</b>	<b>Venue</b>	<b>Date</b>
1.	Irin Sweeta	Paper Presentation	Cape Institute Of Technology	08-02-2019
2.	Pavithran	Under Water Windmill	Ponjesly College Of Engineering	09-02-2019
3.	B.Nithish Nelson	Paper Presentation	Cape Institute Of Technology	08-02-2019
4.	M.Divine Angel	Participation	Cape Institute Of Technology	06-03-2019
5.	S.Alan	Intelligent Building	Bethlahem Institute Of Engineering	08-02-2019
6.	M.Ahash	Eco Friendly Home	Bethlahem Institute Of Engineering	08-02-2019
7.	S.Sheenu Rajan	Eco Friendly Home	Bethlahem Institute Of Engineering	08-02-2019
8.	I.R.Nizanth	Paper Presentation	Cape Institute Of Technology	08-02-2019
9.	Irin Sweeta	Technical Events	Cape Institute Of Technology	08-02-2019
10.	Sahaya Antony	Paper Presentation	Ponjesly College Of Engineering	09-02-2019
11.	Jyothish Kumar	Paper Presentation	Ponjesly College Of Engineering	09-02-2019

<b>S.NO</b>	<b>Name</b>	<b>Event</b>	<b>Venue</b>	<b>Date</b>
12.	K.Saranya Devi	Paper Presentation	Stella Mary's College Of Engineering	15-02-2019
13.	Subin	Paper Presentation	Stella Mary's College Of Engineering	15-02-2019
14.	Thompson Kimsingh	Paper Presentation	Stella Mary's College Of Engineering	15-02-2019
15.	Ajay Kumar	Paper Presentation	Stella Mary's College Of Engineering	15-02-2019
16.	Jyothish Kumar	Paper Presentation	Stella Mary's College Of Engineering	15-02-2019
17.	R.Reshma	Paper Presentation	Stella Mary's College Of Engineering	15-02-2019
18.	H.Abinaya	Paper Presentation	Stella Mary's College Of Engineering	15-02-2019
19.	S.Alan Anto Prakash	Paper Presentation	Stella Mary's College Of Engineering	15-02-2019
20.	Kamal Singh	Paper Presentation	Stella Mary's College Of Engineering	15-02-2019
21.	S.Sheenu Rajan	Paper Presentation	Stella Mary's College Of Engineering	15-02-2019
22.	B.Nithish Edison	Paper Presentation	Stella Mary's College Of Engineering	15-02-2019
23.	I.R.Nizanth	Paper Presentation	Stella Mary's College Of Engineering	15-02-2019



# Stella Mary's College of Engineering

<b>S.NO</b>	<b>Name</b>	<b>Event</b>	<b>Venue</b>	<b>Date</b>
24.	R.N.Nizanth	Paper Presentation	Stella Mary's College Of Engineering	15-02-2019
25.	Rufus.K.reji	Paper Presentation	Stella Mary's College Of Engineering	15-02-2019
26.	M.Anantha Sijan	Paper Presentation	Stella Mary's College Of Engineering	15-02-2019
27.	L.Keerthi	Paper Presentation	Stella Mary's College Of Engineering	15-02-2019
28.	S.J.Reshma	Paper Presentation	Stella Mary's College Of Engineering	15-02-2019
29.	Mini mol	Paper Presentation	Stella Mary's College Of Engineering	15-02-2019
30.	Sahaya Antony	Paper Presentation	Stella Mary's College Of Engineering	15-02-2019
31.	B.K.Pavithran	Paper Presentation	Stella Mary's College Of Engineering	15-02-2019
32.	Jyothish Kumar	Paper Presentation	Stella Mary's College Of Engineering	15-02-2019
33.	R.Reshma	Paper Presentation	Stella Mary's College Of Engineering	15-02-2019
34.	R.Ashmin Rajith	Paper Presentation	Stella Mary's College Of Engineering	15-02-2019
35.	S.S.Anu	Paper Presentation	Stella Mary's College Of Engineering	15-02-2019

<b>S.NO</b>	<b>Name</b>	<b>Event</b>	<b>Venue</b>	<b>Date</b>
<b>36.</b>	<b>M.Irin Sweeta</b>	<b>Paper Presentation</b>	<b>Stella Mary's College Of Engineering</b>	<b>15-02-2019</b>
<b>37.</b>	<b>C.Sheela Angel</b>	<b>Paper Presentation</b>	<b>Stella Mary's College Of Engineering</b>	<b>15-02-2019</b>

## **Sports Activities**



<b>Year</b>	<b>Name Of the Award/medal</b>	<b>National /International</b>	<b>Sports/ Cultural</b>	<b>Name of the Student</b>
<b>1.</b>	<b>Ball Badminton</b>	<b>Zonal</b>	<b>Sports</b>	<b>S.Pooja M.Nandhini K.Marcelin M.C.Snega Priya S.J.Reshma F.Akash karthikeyan .S E.Samuel Aaron R.Stalin P.Prathap</b>

# Editorial Board

**Chief Editor : Mr.T.Ragin  
Assistant Professor**



**Co-Editor : Ms . Sorna .K. Jancy Bai  
Assistant Professor**

**Pradhab.P  
8th Semester**



**Jayarag Nishanth.Y  
8th Semester**

**John Abisha.J  
8th Semester**



**Abisha.A  
8th Semester**



# **Stella Mary's College Of Engineering**

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