



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.

**Department
Of
Civil Engineering**

RACE

Rein4z Association of Civil Engineering

Civil News Letter

Volume - III Issue - 1 Dec - 2019



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



I am happy to know that the Department of Civil Engineering is bringing a newsletter of the Department. I appreciate the department for such an initiative to provide a platform for communicating the innovative ideas of the students and faculty members. News letter is an excellent platform for the students to publish their success stories, innovative ideas and findings. They can also write about the improvements, required in the curriculum and syllabus of the course and subjects the study.

- Dr. NAZERATH CHARLES



From the CEO's Desk

The students and faculty members can take some interviews with their alumni about their experiences and job opportunities and publish in the news letter for the benefit of the students. Apart from the professional interest, every student and faculty will have literary interest and capabilities like poem writing, comics writing and moral story writing. This will add value and interest for the readers of the news letter. I congratulate the Department and the concerned staff members and students for the efforts taken by them to bring out this news letter. I wish that the news letter brings fruits to the student community and wish a grand success for their efforts.



- 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



It is an honor for me to welcome the keen learning generation of modern India to a prestigious dorm of knowledge. This department has very strong undergraduate program. The department program is focused on providing not only the technical knowledge but also to encourage the student to be more innovative. The department has been able to foster this distinguished approach with the help of the staff has excellent credentials and a promising outlook. The faculty is well groomed and has publications in multiple journal and conferences proceedings. It gives me immense pleasure to lead such a prestigious and complete department in every manner. I, congratulate the Editorial for their brilliant effort in releasing the Newsletter. I wish all of you great academic career ahead.

-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.J.Prakash Arul Jose
Designation: Associate 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: Mrs. S. Indira
Designation: Assistant Professor
Qualification: M.E

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



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

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

Name: Ms.Sahaya Sofia
Designation: Assistant Professor
Qualification: M.E

Name: Mrs.P.Sony
Designation: Assistant Professor
Qualification: M.E

Name: Mr.V.S.Sreekumara Ganapathy
Designation: Assistant Professor
Qualification: M.E

Non -Teaching Faculty

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

Name: Ms.J.John Abisha
Designation: Lab Assistant
Qualification: B.E



In House Events organised

Seminars

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.



Value Added Course



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.

Guest Lectures



Guest Lectures 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.

Industrial Visit's

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.



Placement and Training



Mr.Rajesh from Byjus has given our students an one day session as placement training.Our department students participated and made the session alive by their meeting presence and active participation.

Independence Day

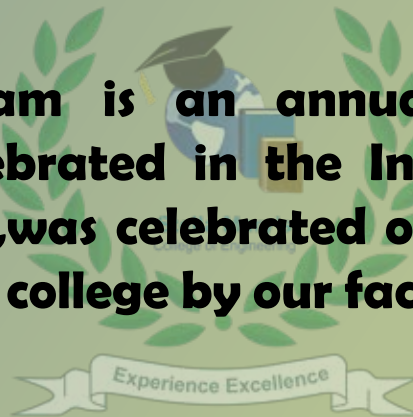
Independence day was celebrated with a special function. Director hosted the national flag on the day and delivered message on the occasion.



Onam Celebration



Onam is an annual harvest festival celebrated in the Indian state of Kerala, was celebrated on 6th september in our college by our faculties and students.



PTA

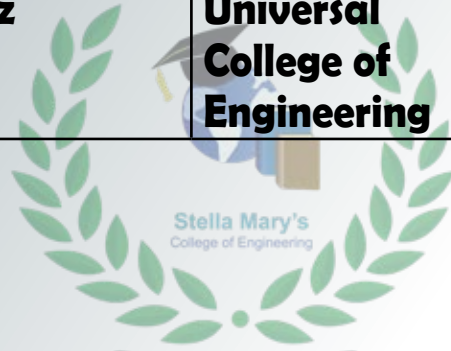
PTA is actively involved in aiding smooth functioning of the college. The executive committee chaired by the HoD coordinates the activities of the PTA. Its efforts are oriented towards improving facilities in the college. It also aims in improving the personality and learning skills of their wards.



Student Participation

S.NO	Name	Event	Venue	Date
1.	Subin	Quiz	Stella Mary's College Of Engineering	20-09-2019
2.	B.K.Pavithran	Quiz	Stella Mary's College Of Engineering	20-09-2019
3.	B.K.Pavithran	Paper Presentation	Stella Mary's College Of Engineering	20-09-2019
4.	Abishya	Model Making	Universal College of Engineering	10-10-2019
5.	Ajay	Model Making	Universal College of Engineering	10-10-2019
6.	Asmin Rajith	Model Making	Universal College of Engineering	10-10-2019
7.	Asmin Rajith	Model Expo	Universal College of Engineering	10-10-2019
8.	V.Bindhu	Paper Presentation	Universal College of Engineering	10-10-2019
9.	S.S.Anu	Paper Presentation	Universal College of Engineering	10-10-2019
10.	Asmin Rajith	Paper Presentation	Universal College of Engineering	10-10-2019
11.	J.Subin	Model Making	Universal College of Engineering	10-10-2019

S.NO	Name	Event	Venue	Date
12.	Ajith	Model Expo	Universal College of Engineering	10-10-2019
13.	Deny Bebisro	Model Expo	Universal College of Engineering	10-10-2019
14.	Abishya	Quiz	Universal College of Engineering	10-10-2019
15.	M.Irin Sweeta	Paper Presentation	Universal College of Engineering	10-10-2019
16.	V.Bindhu	Quiz	Universal College of Engineering	10-10-2019
17.	S.S.Anu	Quiz	Universal College of Engineering	10-10-2019



Sports Activities

Year	Name Of the Award/medal	National /International	Sports/ Cultural	Name of the Student
1.	Badminton	Zonal	Sports	R.Stalin E.Samuel Aaron M.S.Deva

Editorial Board

Chief Editor : Mr.T.Ragin
Assistant Professor



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

Subin.I
7th Semester



Subin.S
7th Semester

Irin Sweeta.M
7th Semester



Ashmin Rajith.R
7th Semester



Stella Mary's College Of Engineering

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