



MANGALAM COLLEGE OF ENGINEERING NEWSLETTER

**SRISHTI
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JAN – JUN 2024**

Editorial Board
Editor – Dr.P Swaminathan
Student Editor – Ms.Aleena V M

ACHIEVEMENTS

-  International Conference with 400+ Participants
-  FDP on Technological Advancements in Civil Engineering
-  Expert Talks by Industry Leaders
-  Strong Industry Collaborations
-  Research Papers Published
-  Successful Student Placements

DEPARTMENT OF CIVIL ENGINEERING

Message from the Head of Department

It is my pleasure to present this edition of Srishti, the newsletter of the Department of Civil Engineering, Mangalam College of Engineering, highlighting the activities and achievements of the department during the period from January to June 2024.

Our department continues to focus on providing quality technical education while encouraging students to actively participate in academic, co-curricular, and professional activities. During this period, various workshops, seminars, technical talks, and student initiatives were organized to enhance the practical knowledge and skills of our students.

The dedication of our faculty members and the enthusiasm of our students have contributed significantly to maintaining a vibrant academic environment in the department. Their continued efforts in academics, research, and professional development strengthen the overall growth of the department.

I sincerely appreciate the editorial team for their effort in compiling and presenting the activities of the department through this newsletter. I hope this edition of Srishti reflects our commitment to excellence and inspires everyone to achieve greater milestones in the future.

Dr. D. Ramesh Kumar
Head of the Department
Department of Civil Engineering
Mangalam College of Engineering

ACADEMIC HIGHLIGHTS

- Successfully organized ICSMEE'24 – International Conference on Sustainable Goals in Materials, Energy and Environment on 2nd & 3rd May 2024 with 400+ participants
- Conducted Faculty Development Program on “Technological Advancements in Civil Engineering”
- Organized multiple expert talks by industry professionals and academicians
- Strengthened practical exposure through industry interactions
- Published research papers in reputed journals
- Achieved successful student placements in leading companies
- Active participation of faculty and students in NPTEL courses
- Faculty members attended various Faculty Development Programs (FDPs)

STUDENT ACHIEVEMENTS

1.Academic Excellence

The Department of Civil Engineering proudly commends its students for their excellent performance in the University Examinations. Several students achieved top results, reflecting their academic excellence, dedication, and commitment to their studies.

This accomplishment highlights not only the hard work of the students but also the consistent guidance and support provided by the faculty. Their success brings pride to the department and inspires others to aim for higher academic achievements.

The department extends its sincere appreciation to the achievers and wishes them continued success in their future academic and professional endeavors.

Batch	Sem	Total no. of students	Total no. of students passed	Pass%
S2 CE (2022-2026)	S2	49	13	26.50
S4 CE (2021-2025)	S4	60	21	35.00
S6 CE (2020-2024)	S6	62	16	52.80
S8 CE (2019-2023)	S8	80	33	41.25

2. Placements & Internships

Sl.NO	Name of Student	Placement Details
1	ASWIN DAS	THE IVORY HOMES
2	AJITH K M	THE IVORY HOMES
3	VISHNU G PILLAI	THE IVORY HOMES
4	SUJITH G	THE IVORY HOMES
5	CHRISTIN JOSE	ASSET HOMES
6	ALBEY P JOSEPH	ASSET HOMES
7	JITHIN VIJAYAN	INTERIA DESIGNS
8	JISHNU S NAIR	KOODARAM BUILDERS AND INTERIORS
9	MEGHA S MURALI	KOODARAM BUILDERS AND INTERIORS
10	ARCHANA BABU	KOODARAM BUILDERS AND INTERIORS
11	ASHIL M VARGHESE	KOODARAM BUILDERS AND INTERIORS
12	CHRISTIN JOSE	ASSET HOMES

Sl.NO	Name of Student	Placement Details
13	ALEENA V M	ASSET HOMES
14	ALEENA PRASAD	ASSET HOMES
15	APARNA REVI	SUTHERLAND
16	VASUDEV P KUMAR	PUSHPAGIRI BUILDERS & DEVELOPERS
17	NIJO J ZACHARIAH	PUSHPAGIRI BUILDERS & DEVELOPERS
19	INDRAJITH R NAIR	ZAHARA BUILDERS, PVT LTD
20	AMRITHA BABY	CADD CENTRE TRAINING SERVICE
21	ANUSHA S	SMARD
22	ADITHYA LEKSHMI S	SMARD
23	MEKHA M SIVAN	CADD CENTRE TRAINING SERVICE
24	AJAY PRAKASH	SHIFA NAVAS
25	SREENATH V R	TOP LEVEL BUILDERS & DEVELOPERS
26	MIDHUN MENON	SHIFA NAVAS

Sl.NO	Name of Student	Placement Details
27	ABHISHEK S	SHIFA NAVAS
28	MIDHUN MENON	ABHIS CONSTRUCTION
29	ABHISHEK S	ABHIS CONSTRUCTION
30	MIDHUN MENON	ABHIS CONSTRUCTION
31	ABHISHEK S	ABHIS CONSTRUCTION
32	MIDHUN MENON	ST JOSEPH CONSTRUCTION
33	ABHISHEK S	ST JOSEPH CONSTRUCTION
34	MIDHUN MENON	ST JOSEPH CONSTRUCTION
35	ELIZABETH THOMAS	P&P ASSOCIATES
36	GOPIKA JITENDER	P&P ASSOCIATES
37	ARCHANA BABU	P&P ASSOCIATES
38	DEVIKA USHA S	P&P ASSOCIATES
39	VARSHA N S	LEO ASSOCIATES

3. Chief Minister's Students Excellence Award

The institution proudly congratulates its students for receiving the prestigious Chief Minister's Students Excellence Award, along with a cash prize of ₹1 lakh. This remarkable achievement reflects their outstanding academic performance, dedication, and commitment to excellence. The college takes immense pride in their success and wishes them continued achievements in their future endeavors.

MANGALAM
COLLEGE OF ENGINEERING
ETTUMANOOR

CONGRATULATIONS
TO
**CHIEF MINISTER'S STUDENTS EXCELLENCE
AWARD WINNERS**

Secured a cash reward of 1 Lakh

Cash Prize of
₹ 1 LAKH

			
JISS DOMINIC CE 2018-22	ABOO JACOB CE 2018-22	TEENA TARA TOM CE 2018-22	MAREENA EEE 2018-22

4. APJ Abdul Kalam Scholarship Achievement

The Department of Civil Engineering proudly appreciates its students for securing financial assistance of ₹1 lakh under the APJ Abdul Kalam Scholarship for their student projects. This accomplishment highlights their innovation, technical expertise, and research potential. The department congratulates the achievers and encourages them to continue striving for excellence in their academic and professional journey.

**MANGALAM**
College of Engineering
Kottayam, Kerala



DEPARTMENT OF CIVIL ENGINEERING

CONGRATULATE

the
STUDENTS

For Securing Financial Assistance of Total Rs. 1 Lakh for
Student Projects from

**APJ ABDUL KALAM**
SCHOLARSHIP UNIVERSITY
Supporting the students' research projects

 Elizabeth Thomas SSA	 Aparna Revi SSA	 Ganga Radhakrishnan SSA
 Christin Jose SSA	 Nandhana Venu SSB	 Sreenath V R SSB

5. NPTEL PARTICIPATION

The department proudly congratulates the students who achieved Elite Grade in the NPTEL examinations, showcasing their strong academic capability and commitment to continuous learning. This accomplishment reflects their dedication to gaining advanced knowledge beyond the curriculum. The department appreciates their efforts and encourages them to continue striving for excellence.

Name	Course	Grade
Afida Anwar	Advanced Topics in Science and Technology of Concrete	Elite
Arathi P S	Water Supply Engineering	Elite
Ardra Ajith		Elite
Anjima V M		Elite
Anamika S		Elite
Christin Jose		Elite
Elizabeth Thomas	Advanced Topics in Science and Technology of Concrete	Elite
Devika Balakrishnan		Elite

FACULTY CONTRIBUTIONS

1. Research Publications

Title of paper	Name of the author/s	Name of journal	Year of publication	ISSN number
Flexural Toughness and Synergy Assessment of Pozzolonic & Non-Pozzolonic Concrete Containing Steel Fibres With Varying Geometry	B Sankar, D Ramesh Kumar, P Swaminathan, K Arunkumar	Iranian Journal of Science & Technology, Transactions of Civil Engineering	2025	2268-6160
Experimental Investigations On Mechanical Performance, Synergy Assessment, and Microstructure of Pozzolonic & Non-Pozzolonic Hybrid Steel Fibre Reinforced Concrete	B Sankar, D Rameshkumar, P Swaminathan, K Arunkumar	Structural Concrete	2025	1464-4177
Influence of Ultrafine Slag & Sulfate Activation on the Strength, Durability & Microstructural Performance of High-volume Fly Ash Concrete Containing Recycled Plastic Waste Aggregate	B Sankar	Structural Concrete	2025	1464-4181

2. Faculty Development Programs (FDPs)

FDP conducted

The Department of Civil Engineering successfully organized a five-day Faculty Development Programme (FDP) on “Technological Advancements in Civil Engineering” from 19th to 23rd June 2024. The programme witnessed enthusiastic participation from 78 participants, including faculty members, researchers, and industry professionals.

The sessions focused on modern engineering techniques, sustainable construction practices, infrastructure monitoring methods, and environmental management approaches. Interactive discussions and knowledge-sharing activities enabled participants to gain a deeper understanding of current challenges and technological solutions in Civil Engineering.

The FDP concluded successfully with positive feedback from participants, who appreciated the relevance and quality of the sessions. The programme served as an excellent platform for academic enrichment, professional development, and the exchange of innovative ideas in the field of Civil Engineering.

S.No	Resorce Person	Topic
1	Dr. Vivek R Das, Associate professor, Department of Civil Engineering, MSRIT, Bangalore.	Traffic Performance at signalized Intersection
2	Dr. Prawin J, Senior Scientist, CSIR, SERC Chennai.	Vibration Based Structural Health Monitoring of bridges
3	Dr.Reshma E K, Assistant Professor, DSCE, Bangalore	Sustainable Cement Concrete Pavements Using Construction and Demolition Waste
4	Dr.Vaisakh G, Assistant Engineer, PWD, Kerala,	Self – Curing Concrete
5	Sri Aneesh P C, HoD, Civil Engineering, Adishankara Institute of Engineering & Technology, Kerala.	Sustainable Solutions to Environmental Problems.

FDP attended

Name of the faculty	Designation	Name of the program	Name of the organizer	Period
Dr.D Ramesh Kumar	Professor	Structural Analysis - Basics, Methods and Applications	Musaliar College of Engineering & Tech.	16.01.2024 to 20.01.2024
Dr.R Radhakrishnan	Professor	AI & ML Empowerment (ATAL)	SCMS School of Engineering & Technology	15/01/2024 to 20/01/2024
		AI & ML in Civil Engineering	SNIT Adoor	19/02/2024-23/02/2024
Dr.P.SWAMINATHAN	Associate Professor	Structural Analysis - Basics, Methods and Applications (SA-BMA)	Musaliar College of Engineering & Tech.	16.01.2024 to 20.01.2024
Dr.K.Arunkumar	Associate Professor	Development and Applications of Special Concretes	NPTEL	Jan 2024-May 2024
Ms. Reni Kuruvilla	Assistant Professor	Structural Analysis - Basic methods and applications	Musaliar College of Engineering and Technology (MCET)	Jan 16-Jan 20: 2024

Name of the faculty	Designation	Name of the program	Name of the organizer	Period
Ms. Salini Theres N Kurian	Assistant Professor	Structural Analysis – Basics, Methods and Applications	Musaliar College of Engineering and Technology	Jan 16- Jan 20: 2024
		Emerging trends in sustainable and resilient infrastructure	Toc H Institute of science and technology	Jan 22 - Jan 27 : 2024
		NPTEL- Advanced topics in Science and Technology of Concrete	NPTEL - AICTE	Feb- March 2024
Ms. Geethu Lal	Assistant Professor	Structural Analysis - Basic methods and applications	Musaliar College of Engineering and Technology	Jan 16- Jan 20: 2024
Ms. Nimisha Annie Abraham	Assistant Professor	Structural Analysis - Basic methods and applications	Musaliar College of Engineering and Technology	Jan 16- Jan 20: 2024
Ms.Silpa Caroline James	Assistant Professor	Remote Sensing and GIS	The North Cap University,Gurugram	Jan 15-19
		Integrating Technology and Tradition in Civil Engineering	Babasaheb Naik College of Engineering,Pusad	Jan 29-Feb4

3. Expert Talks

SN o.	Event	Date	Resource Persons	No. of participants
1	Expert talk on "Fundamentals of Rigid Body Mechanics"	19.02.2024	DR. Mini Koshi, Assoc. Prof, Dept of Civil Engg., RIT Kottayam.	46
2	Expert Talk on "Environmental Management Plan (EMP) and EIA Audit"	11.04.2024	Dr.S.Manikandan.,M.E. Ph.D, Asst. Prof & Head, Civil Engg, Sri Muthukumaran Institute of Technology, Chennai.	80
3	Webinar on Value of "Moral leadership in Ethical Challenges"	16.04.2024	Dr.Keshav Mohan, Director School of Management, SNIT, Adoor. Director Institute of Land & Disaster Mangement, Kerala(Former).	70
4	Expert talk on "Secondary Treatment of Sewage and its Methods"	17.04.2024	Dr.S.Manikandan.,M.E. Ph.D, Asst. Prof & Head, Dept. of Civil Engg, Sri Muthukumaran Institute of Technology, Chennai.	70
5	"Current practices of sustainable biogas production and utilisation- Indian and global scenario"	22.04.2024	Mr. Sivakumar (Research scholar and co-founder of a Bio-gas startup)	71

4. Funds Secured for Student Projects

The institution proudly acknowledges the dedicated efforts of faculty members in securing financial support for various student projects. Through continuous guidance, proposal preparation, and collaboration with funding agencies and industry partners, the faculty played a significant role in encouraging innovation and research among students.

The funded projects provided students with valuable opportunities to transform their ideas into practical solutions, enhancing their technical knowledge, research capabilities, and problem-solving skills. These initiatives also promoted experiential learning and encouraged students to actively participate in project-based and interdisciplinary activities.

The support received for student projects reflects the institution's commitment towards fostering a strong research culture, innovation, and academic excellence. The contributions of the faculty members have greatly motivated students to pursue creative ideas and develop sustainable and impactful engineering solutions.

MANGALAM
College of Engineering
Kottayam, Kerala

MRCC
MANGALAM RESEARCH AND CONSULTANCY CENTRE

CONGRATULATIONS
to
PRINCIPAL INVESTIGATORS
For Securing Financial Assistance to Student Projects
from

APJ ABDUL KALAM
TECHNOLOGICAL UNIVERSITY

 Dr. D Ramesh Kumar Professor & Head, Civil Rs.34,000	 Dr. P Swaminathan Associate Professor/Civil Rs.31,450	 Dr. K Arun Kumar Associate Professor/Civil Rs.34,240
 Dr. K. Pratheesh Professor & Head, Mechanical Rs.27,390	 Dr. C.SAHAYA KINGSLEY Professor/CSE Rs.26,000	 Dr. S. Padmalal Professor/CSE Rs.25,000

ICSMEE'24 – International Conference on Sustainable Goals in Materials, Energy and Environment

The Department successfully organized the International Conference on Sustainable Goals in Materials, Energy and Environment (ICSMEE'24) on 02nd and 03rd May 2024. The two-day international conference brought together academicians, researchers, industry experts, and students to discuss innovative research and sustainable solutions in the fields of materials, energy, and environmental engineering. The event witnessed an overwhelming participation of more than 400 delegates from various institutions and organizations.

The conference served as a dynamic platform for knowledge sharing, research collaboration, and discussions on emerging technologies that contribute towards achieving global sustainability goals. Technical sessions, paper presentations, and expert talks highlighted recent advancements and challenges in sustainable development.

The conference was enriched by the presence of distinguished keynote speakers and guests, including:

- Dr. Darren Chian Siau Chen, Professor, Department of Civil and Environmental Engineering, National University of Singapore and Vice-President, Geotechnical Society
- Dr. S. Maheswaran, Senior Principal Scientist, Advanced Materials Laboratory, CSIR-SERC, Chennai
- Dr. Kuldeep Kumar Saxena, Professor and COD, Lovely Professional University, Punjab
- Dr. K. Balan, National Executive Committee Member, IGS and Retired Professor, CET, Trivandrum
- Dr. Jayamohan J, Principal, LPS College of Engineering for Women, Kerala

The keynote sessions provided valuable insights into sustainable materials, advanced construction technologies, environmental management, and energy-efficient solutions. Participants actively engaged in technical discussions and exchanged ideas on innovative research directions and practical applications.

ICSMEE'24 concluded successfully with enthusiastic feedback from participants and guests. The conference proved to be an excellent academic and professional platform that promoted interdisciplinary research, innovation, and sustainable engineering practices.



FUTURE PLANS

- Organize international conferences, seminars, and workshops on emerging technologies, sustainable development, artificial intelligence, smart infrastructure, renewable energy, and environmental engineering.
- Strengthen industry–institute collaboration through MoUs, internships, industrial visits, live projects, and expert interactions to enhance practical exposure and employability.
- Establish advanced research laboratories and innovation centers to promote interdisciplinary research, consultancy, and product development.
- Encourage faculty and students to publish high-quality research papers, patents, and funded research projects in reputed national and international platforms.
- Conduct more Faculty Development Programs (FDPs), skill development programs, and certification courses in collaboration with industries and professional bodies.
- Promote startup culture, entrepreneurship, and innovation through incubation support, hackathons, and project exhibitions.
- Enhance placement opportunities by providing intensive training in technical skills, aptitude, communication, and emerging software tools.
- Increase participation in NPTEL, SWAYAM, and other online certification programs to strengthen lifelong learning and professional competency.
- Introduce sustainable and community-oriented projects addressing local and global environmental challenges.
- Encourage student participation in technical competitions, professional societies, social outreach activities, and multidisciplinary research initiatives.
- Develop international academic collaborations and student exchange opportunities with reputed institutions and organizations.
- Adopt modern teaching methodologies integrating digital learning, simulation tools, smart classrooms, and outcome-based education practices.

EDITORIAL NOTE

It gives us immense pleasure to present this edition of our departmental newsletter, highlighting the remarkable achievements, academic initiatives, and milestones accomplished during the academic year. The department has consistently strived to foster excellence in education, research, innovation, and industry engagement while nurturing socially responsible professionals.

This year witnessed several significant accomplishments, including the successful organization of the International Conference ICSMEE'24 – International Conference on Sustainable Goals in Materials, Energy and Environment with the active participation of more than 400 delegates from academia and industry. Various Faculty Development Programs, expert talks, industrial interactions, and research activities enriched the academic environment and strengthened practical learning experiences for both faculty and students.

We are proud of the commendable efforts of our faculty members in publishing research papers in reputed journals, participating in professional development programs, and guiding students toward academic and career excellence. The active involvement of students and faculty in NPTEL courses and skill enhancement initiatives reflects the department's commitment to continuous learning and technological advancement.

The successful placement of our students in leading organizations stands as a testimony to the quality of education, training, and mentorship provided by the department. We remain dedicated to creating opportunities that empower students with knowledge, skills, and values required to excel in their professional journeys.

This newsletter is a collective reflection of the hard work, dedication, and achievements of our students, faculty members, staff, alumni, and industry collaborators. We sincerely thank everyone who contributed to the growth and success of the department.

We look forward to achieving greater milestones in the coming years through innovation, collaboration, research, and sustainable development.

Editorial Team