

GOVERNMENT COLLEGE OF TECHNOLOGY COIMBATORE-13



NEWSLETTER -2022-2023

From the Department
of civil engineering

EDITORIAL TEAM FACULTIES

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From the Professors' desk

I am delighted to share that our department newsletter, “The Builder,” proudly unveils its fourth edition for the academic year 2022–2023, reflecting the vibrant spirit and collective achievements of the Department of Civil Engineering, Government College of Technology, Coimbatore. Over the past year, the department has organized a dynamic array of seminars, workshops, and technical events aimed at nurturing innovation, professional excellence, and holistic student development. A remarkable highlight of this period is the signing of a Memorandum of Understanding (MoU) with Man Industries, a collaboration that has opened new pathways for industry interaction, internships, and real-world learning. Through this partnership, our students are gaining invaluable hands-on experience, bridging the gap between academic concepts and practical applications. It fills me with immense pride to see our final-year students actively engaging with industry projects, showcasing the true essence of what “The Builder” stands for — creating strong foundations for knowledge, growth, and future success.



I appreciate the entire team for their continuous effort in bringing out this Newsletter with the faculty and students achievements. It gives me immense pleasure in seeing the cumulative presentation of various events by faculty and students.

I wish the Newsletter should carry many more useful information and faculty and students Should make use of this opportunities to express their views and to update their Knowledge.



Vision and Mission of the Institute

Vision:

To emerge as a centre of excellence and eminence by imparting futuristic technical education in keeping with global standards, making our students technologically competent and ethically strong so that they can readily contribute to the rapid advancement of society and mankind.

Mission:

- To achieve Academic excellence through innovative teaching and learning practices.
- To enhance employability and entrepreneurship.
- To improve the research competence to address societal needs.
- To inculcate a culture that supports and reinforces ethical professional behavior for a harmonious prosperous society.

Vision and Mission of the Department

Vision:

To provide quality education in Civil Engineering to the societal growth in sustainable manner on par with global standards.

Mission:

- To establish the process of teaching and learning to meet the global standards for sustainable built environment.
- To make Civil Engineering department a renowned high-tech consultancy centre.
- To carry out socially relevant and forward looking research for societal needs.
- Integrated with opportunities for teamwork, leadership, values, ethics and social activities.





Student Activities

S.No.	Name	Institute	Event	Event Level	Prize / Participation
1	2011307 Shalini S	Rotary club of Coimbatore Texcity	Relay	Within State	First Prize
2	2011307 Shalini S	Rotary club of Coimbatore East	5 KM Marathon	Within State	First Prize
3	2011205 Vigeneshwaran G	PSG College of Technology	Samyuj-Bridge Building	Within State	First Prize
4	71772111165 Padma Priya R	KGISL Institute of technology	Volley Ball Tournament	Within State	First Prize
5	717721111L18 Perarasu	Rotary club of Coimbatore East	10 KM Marathon	Within State	Second Prize
6	71772111167 PeriyaPandi	Throw ball Federation of India	Throw ball	Outside state	Winners
7	71772111165 Padma Priya R	Kumaraguru college of technology	Volley Ball Tournment	Within State	Fourth Prize
8	2011145 John Bright E	CEGAnnaunive rsity,Chennai	Bridge Battle	Within State	First Prize
9	2011145 John Bright E	CEGAnnaunive rsity,Chennai	Geo Wiz	Within State	Second Prize
10	2011145 John Bright E	CEGAnnaunive rsity,Chennai	Breaker of Codes	Within State	Third Prize
11	2011130 Diksa S	CEGAnnaunive rsity,Chennai	Walk In	Within State	First Prize
12	2011130 Diksa S	CEGAnnaunive rsity,Chennai	Aptitude	Within State	Second Prize
13	2011116 Chandru S	CEGAnnaunive rsity,Chennai	Primametry	Within State	First Prize
14	71772111167 PeriyaPandi	NCC Directorate Uttar Pradesh	UP-EBSB-1 Camp	outside state	Participation



Student Activities

S.No.	Name	Institute	Event	Event Level	Prize / Participation
15	2011205 Vigneshwaran G	Kumaraguru college of technology	On Field Mastery	Within State	Participation
16	2011307 Shalini S	Rotary club of Coimbatore East	5 KM Marathon	Within State	Participation
17	2011172 Poosanthini T	R.M.K Engineering College	National Level Online Quiz Program	Within State	Participation
18	2011116 Chandru S	CEGAnnauniversity, Chennai	AUTOCAD	Within State	Participation
19	2011116 Chandru S	CEGAnnauniversity, Chennai	Walk in	Within State	Participation
20	2011116 Chandru S	CEGAnnauniversity, Chennai	Geowiz	Within State	Participation
21	2011116 Chandru S	CEGAnnauniversity, Chennai	Primametry	Within State	Participation
22	2011116 Chandru S	CEGAnnauniversity, Chennai	Breaker of codes	Within State	Participation
23	2011116 Chandru S	CEGAnnauniversity, Chennai	Bridge battle	Within State	Participation
24	2011116 Chandru S	CEGAnnauniversity, Chennai	Acropolis	Within State	Participation
25	2011116 Chandru S	CEGAnnauniversity, Chennai	Aptitude	Within State	Participation
26	2011116 Chandru S	CEGAnnauniversity, Chennai	Netzero	Within State	Participation
27	2011116 Chandru S	CEGAnnauniversity, Chennai	Series Quiz	Within State	Participation
28	2011116 Chandru S	CEGAnnauniversity, Chennai	Cricket Quiz	Within State	Participation



Student Activities

S.No.	Name	Institute	Event	Event Level	Prize / Participation
29	2011133 Gugapriya A	CEGAnnauniversity, Chennai	Reveal the Civil	Within State	Participation
30	2011133 Gugapriya A	CEGAnnauniversity, Chennai	AUTOCAD	Within State	Participation
31	2011133 Gugapriya A	CEGAnnauniversity, Chennai	Walk in	Within State	Participation
32	2011133 Gugapriya A	CEGAnnauniversity, Chennai	Geowiz	Within State	Participation
33	2011133 Gugapriya A	CEGAnnauniversity, Chennai	Archibuildo	Within State	Participation
34	2011133 Gugapriya A	CEGAnnauniversity, Chennai	Aptitude	Within State	Participation
35	2011133 Gugapriya A	CEGAnnauniversity, Chennai	Acropolis	Within State	Participation
36	2011133 Gugapriya A	CEGAnnauniversity, Chennai	Series Quiz	Within State	Participation
37	2011133 Gugapriya A	CEGAnnauniversity, Chennai	Workshop	Within State	Participation
38	2011130 Diksa S	CEGAnnauniversity, Chennai	Geo Wiz	Within State	Participation
39	2011130 Diksa S	CEGAnnauniversity, Chennai	Acropolis	Within State	Participation
40	2011130 Diksa S	CEGAnnauniversity, Chennai	Aptitude	Within State	Participation
41	2011130 Diksa S	CEGAnnauniversity, Chennai	AUTOCAD	Within State	Participation
42	2011130 Diksa S	CEGAnnauniversity, Chennai	Breaker of codes	Within State	Participation



Student Activities

S.No.	Name	Institute	Event	Event Level	Prize / Participation
43	2011130 Diksa S	CEGAnnauniversity, Chennai	Walk In	Within State	Participation
44	2011130 Diksa S	CEGAnnauniversity, Chennai	ArchiBuildo	Within State	Participation
45	2011141 ILAKKIYA I	CEGAnnauniversity, Chennai	Workshop	Within State	Participation
46	2011141 ILAKKIYA I	CEGAnnauniversity, Chennai	Reveal the Civil	Within State	Participation
47	2011141 ILAKKIYA I	CEGAnnauniversity, Chennai	Geo Wiz	Within State	Participation
48	2011141 ILAKKIYA I	CEGAnnauniversity, Chennai	Acropolis	Within State	Participation
49	2011141 ILAKKIYA I	CEGAnnauniversity, Chennai	Aptitude	Within State	Participation
50	2011141 ILAKKIYA I	CEGAnnauniversity, Chennai	Series Quiz	Within State	Participation
51	2011145 John Bright E	CEGAnnauniversity, Chennai	Breaker of codes	Within State	Participation
52	2011145 John Bright E	CEGAnnauniversity, Chennai	Series Quiz	Within State	Participation
53	2011145 John Bright E	CEGAnnauniversity, Chennai	Aptitude	Within State	Participation
54	2011145 John Bright E	CEGAnnauniversity, Chennai	Geo Wiz	Within State	Participation
55	2011145 John Bright E	CEGAnnauniversity, Chennai	Acropolis	Within State	Participation
56	2011145 John Bright E	CEGAnnauniversity, Chennai	Cricket Quiz	Within State	Participation



Student Activities

S.No.	Name	Institute	Event	Event Level	Prize / Participation
57	2011145 John Bright E	CEGAnnauniversity, Chennai	Map Quiz	Within State	Participation
58	2011145 John Bright E	CEGAnnauniversity, Chennai	Walk in	Within State	Participation
59	2011145John Bright E	CEGAnnauniversity, Chennai	Auto CAD	Within State	Participation
60	2011147 KavinNarendar V	CEGAnnauniversity, Chennai	Auto CAD	Within State	Participation
61	2011147 KavinNarendar V	CEGAnnauniversity, Chennai	Reveal the Civil	Within State	Participation
62	2011147 KavinNarendar V	CEGAnnauniversity, Chennai	Aptitude	Within State	Participation
63	2011147 KavinNarendar V	CEGAnnauniversity, Chennai	Acropolis	Within State	Participation
64	2011147 KavinNarendar V	CEGAnnauniversity, Chennai	Bridge battle	Within State	Participation
65	2011147 KavinNarendar V	CEGAnnauniversity, Chennai	Geo Wiz	Within State	Participation
66	2011147 KavinNarendar V	CEGAnnauniversity, Chennai	Series Quiz	Within State	Participation
67	2011143Jaishre e R L	CEGAnnauniversity, Chennai	Workshop	Within State	Participation
68	2011143Jaishre e R L	CEGAnnauniversity, Chennai	Series Quiz	Within State	Participation
69	2011143 Jaishree R L	CEGAnnauniversity, Chennai	Kollywood Quiz	Within State	Participation
70	2011143 Jaishree R L	CEGAnnauniversity, Chennai	Geo Wiz	Within State	Participation



Student Activities

S.No.	Name	Institute	Event	Event Level	Prize / Participation
71	2011143 Jaishree R L	CEGAnnauniversity, Chennai	Acropolis	Within State	Participation
72	2011143 Jaishree R L	CEGAnnauniversity, Chennai	Aptitude	Within State	Participation
73	2011129 Dhivyabharathi S	CEGAnnauniversity, Chennai	Aptitude	Within State	Participation
74	2011129 Dhivyabharathi S	CEGAnnauniversity, Chennai	Auto CAD	Within State	Participation
75	2011129 Dhivyabharathi S	CEGAnnauniversity, Chennai	Walk in	Within State	Participation
76	2011129 Dhivyabharathi S	CEGAnnauniversity, Chennai	Geo Wiz	Within State	Participation
77	2011129 Dhivyabharathi S	CEGAnnauniversity, Chennai	Aptitude	Within State	Participation
78	2011129 Dhivyabharathi S	CEGAnnauniversity, Chennai	Acropolis	Within State	Participation
79	2011129 Dhivyabharathi S	CEGAnnauniversity, Chennai	Breaker of codes	Within State	Participation
80	2011129 Dhivyabharathi S	CEGAnnauniversity, Chennai	ArchiBuildo	Within State	Participation
81	2011102 Aatharshena S V	CEGAnnauniversity, Chennai	Workshop	Within State	Participation
82	2011102 Aatharshena S V	CEGAnnauniversity, Chennai	Geo Wiz	Within State	Participation
83	2011102 Aatharshena S V	CEGAnnauniversity, Chennai	Aptitude	Within State	Participation
84	2011102 Aatharshena S V	CEGAnnauniversity, Chennai	Acropolis	Within State	Participation



Student Activities

S.No.	Name	Institute	Event	Event Level	Prize / Participation
71	2011143 Jaishree R L	CEGAnnauniversity, Chennai	Acropolis	Within State	Participation
72	2011143 Jaishree R L	CEGAnnauniversity, Chennai	Aptitude	Within State	Participation
73	2011129 Dhivyabharathi S	CEGAnnauniversity, Chennai	Aptitude	Within State	Participation
74	2011129 Dhivyabharathi S	CEGAnnauniversity, Chennai	Auto CAD	Within State	Participation
75	2011129 Dhivyabharathi S	CEGAnnauniversity, Chennai	Walk in	Within State	Participation
76	2011129 Dhivyabharathi S	CEGAnnauniversity, Chennai	Geo Wiz	Within State	Participation
77	2011129 Dhivyabharathi S	CEGAnnauniversity, Chennai	Aptitude	Within State	Participation
78	2011129 Dhivyabharathi S	CEGAnnauniversity, Chennai	Acropolis	Within State	Participation
79	2011129 Dhivyabharathi S	CEGAnnauniversity, Chennai	Breaker of codes	Within State	Participation
80	2011129 Dhivyabharathi S	CEGAnnauniversity, Chennai	ArchiBuildo	Within State	Participation
81	2011102 Aatharshena S V	CEGAnnauniversity, Chennai	Workshop	Within State	Participation
82	2011102 Aatharshena S V	CEGAnnauniversity, Chennai	Geo Wiz	Within State	Participation
83	2011102 Aatharshena S V	CEGAnnauniversity, Chennai	Aptitude	Within State	Participation
84	2011102 Aatharshena S V	CEGAnnauniversity, Chennai	Acropolis	Within State	Participation



Student Activities

S.No.	Name	Institute	Event	Event Level	Prize / Participation
85	2011102 Aatharshena S V	CEGAnnauniversity, Chennai	Series Quiz	Within State	Participation
86	2011102 Aatharshena S V	CEGAnnauniversity, Chennai	Kollywood Quiz	Within State	Participation
87	71772111182 Samyuktha K	Government College Of Technology- Coimbatore	Incean group discussion	Within State	Winner
88	71772111162 Nanditha C B	Government College Of Technology- Coimbatore	Incean treasure hunt	Within State	First Runner Up
89	71772211201 Srinidhi S	Government College of Technology- Coimbatore	Workshop	Within State	Participation
90	71772211212 Vaishnavi R	Government College of Technology- Coimbatore	Workshop	Within State	Participation



**Overall Championship Trophy in Civilisation'23 of
CEG, Anna University, Chennai**



- Nafisa Begam, M.N., Muthukumaran, K., Thamarai, P., Joshua, J.P."Adsorption isotherm and kinetic studies for the decolorization of sunset yellow FCF dye using economically feasible low-cost adsorbent"Global Nest Journal 2022.
- Kiruba, D.A., Muthukumaran, K., Thamarai, P."Removal of ni(ii) ions from aqueous solutions using manganese oxide nanoparticles from buffelgrass, *Cenchrus ciliaris* L., as green adsorbent. Kinetics and thermodynamics studies"Environment Protection Engineering 2022.
- Malarvizhi, T., Muthukumaran, K., Thamarai, P."Removal of methylene blue from aqueous solution using a mixture of dried rice husk, sugarcane bagasse and wheat bran powder as a low-cost biosorbent"Desalination and Water Treatment 2022.
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- Thirunavukkarasu A.; Nithya R.; Jeyanthi J."Transdermal drug delivery systems for the effective management of type 2 diabetes mellitus: A review"Diabetes Research and Clinical practice 2022.
- Velumani M.; Jeyadharman. J. Jeyanthi J".Recycling of Tannery (chrome) sludge into sludge biochar (SB) /TiO₂ nanocomposite via chemical activation through hydrothermal pre-treatment"Journal of Material Cycles and Waste Management 2022.
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- of granite powder in the waste-based masonry units with copper slag and crumb rubber as partial substitute of fine aggregate International Journal of Masonry Research and Innovation Praburanganathan, S., Chithra, S., Divyah, N., Sudharsan, N., Simha, Y., & Vigneshwaran, S. (2022). Value-added waste
- substitution using slag and rubber aggregates in the sustainable and eco-friendly compressed brick production Revista de la Construcción: Journal of Construction Oorkalan A.; Chithra S. (2022) Investigation on the Properties of Sustainable Steel Fiber Reinforced Reactive Powder Concrete by Utilization of
- Coir Pith Aggregates and Pyrogenic Silica Silicon Jagadheeswari, R., Oorkalan, A., Chithra, S., & Srinivasan, N. P. (2022). Experimental and examination of Recron 35 fibre on reinforced concrete Materials Today: Proceedings
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- and LWAC Structural Concrete Yazhini E.; Chithra R. (2022) Performance study of fibre reinforced functionally graded concrete pipes Construction and
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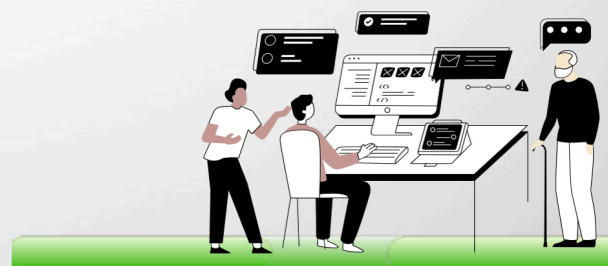


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Programmes Organised

- Geotechnical Engineering Practices (10.10.2022 – 14.10.2022)
- Sustainable Geoenvironmental Practices – Hazard Mitigation and Environmental Protection (27.03.2023 – 31.03.2023)
- Structural Health Monitoring of Civil Infrastructure – SHMCI 23 (30.03.2023 – 31.03.2023)
- Advanced Concrete Technology (Jul 2022 – Oct 2022) Effective Engineering in Teaching Practices (Jan 2023 – Feb 2023) Teaching and Learning in Engineering (Jan 2023 – Feb 2023) Outcome Based Pedagogic Principles of Effective Teaching (Feb 2023 – Mar 2023) Introduction to Intellectual Property to Engineers and Technologies (Feb 2023 – Apr 2023) Five-Day Workshop on “Sustainable Geoenvironmental Practices: Hazard Mitigation and Environmental Protection,” IIT Indore in association with IGS Indore Chapter (27.03.2023 – 31.03.2023)
- Applications of Technology in Environmental Sustainability (17.04.2023 – 21.04.2023) FDP on “Recent Advances in Structural Engineering,” Hindustan Institute of Technology & Science (20.06.2022 – 24.06.2022) Transportation Infrastructure – Airport, Metros, and Seaports (19.09.2022 – 22.09.2022) National Seminar on Emerging Trends in Smart and Sustainable Infrastructure (30.09.2022 – 01.10.2022) Two-Day Training Programme on “Design and Construction of Pre- Engineered Buildings,” organized by INSDAG (06.01.2023 – 07.01.2023) Innovation Mentor Capacity Building Program (12.09.2022 – 16.09.2022) Sustainable Building Design (13.02.2023 – 17.02.2023)
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Programmes Organised

- Naan Mudhalvan Training of Trainers Program for "High Rise Building Design" by L&T Edu Tech (19.09.2022 – 22.09.2022)
- Advanced Course on "Fatigue and Fracture Behaviour of Metallic Components," CSIR-SERC, Chennai (08.02.2023 – 10.02.2023)
- FDP on "Advanced Research Methodology & Data Analytics Tools" (13.03.2023 – 17.03.2023)
- Design and Construction of Steel Buildings (19.09.2022 – 22.09.2022)
- Role of Smart Materials and Sensing Technologies in the Construction Sector (19.12.2022 – 23.12.2022)

NPTEL Courses -Faculties

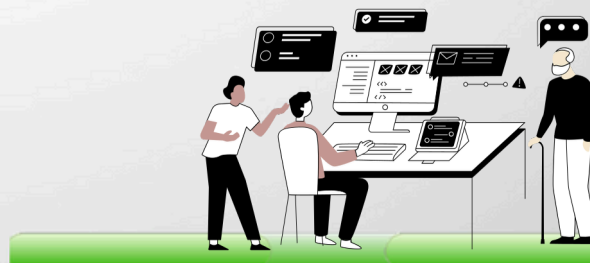
- Dr. M. Rama – Strategies for Sustainable Design (Jan – Apr, 12 Weeks)
- Dr. M. Rama – Modern Construction Materials (Jan – Apr, 12 Weeks)
- Dr. M. Rama – Concrete Technology (Jan – Apr, 12 Weeks)
- Dr. M. Rama – Advanced Concrete Technology (Jul – Oct, 12 Weeks)
- Prof. P. Andavar – Eight Module Course (Aug 2021 – Feb 2022, 6 Months)
- Prof. K. Rajeshkumar – Eight Module Course (Aug 2021 – Feb 2022, 6 Months)
- Prof. K. Rajeshkumar – Air Pollution and Control (Jan – Apr, 12 Weeks)

SWAYAM COURSE DETAILS



- Pavithran P (1911168) completed sawayam course detail
Sustainable Design, Dec 2022

Strategies for



Placements

CORE



IT SECTOR



BIOPHARMACEUTICAL COMPANY

