

GOVERNMENT COLLEGE OF TECHNOLOGY COIMBATORE-13



NEWSLETTER 2023-2024

From the Department of
Civil Engineering

EDITORIAL TEAM

FACULTIES

Dr.R.Thenmozhi

Prof & Head

Dr.S.Chithra

Associate Professor

STUDENT

Choudary S V

Aadhithiyan V

Afra A

Brijesh B



From the Professor's desk

I am delighted to share that our department newsletter, “The Builder,” proudly unveils its fifth edition for the academic year 2023–2024, 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	71772111184 Sasmita V	Government College Of Engineering – Salem	Paper presentation	Within State	Third prize
2	71772111202 Vahini B	Government College Of Engineering – Salem	Paper Presentation	Within State	Third prize
3	71772211123 Denisha N	Government College Of Technology-Coimbatore	GK quiz	Within State	Winner
4	71772211201 Srinidhi S	Government College of Technology-Coimbatore	Tennis	Within State	Second
5	71772211212 Vaishnavi R	Government College of Technology-Coimbatore	Tennis	Within State	Second
6	71772211165 Narmada M R	Government College of Technology-Coimbatore	Face painting	Within State	Runner
7	71772111184 Sasmita V	Government College Of Technology-Coimbatore	National Conference On "Material And Technologies For Sustainable Infrastructure	Within State	Participation



Student Activities

S.No.	Name	Institute	Event	Event Level	Prize / Participation
8	71772111201 Uma Neelavathi M	KumaraguruCollefe Of Technology	Yugam23- Staad Pro Workshop	Within State	Participation
9	71772111198 Tamil Selvi M	KumaraguruCollefe Of Technology	Yugam23- Staad Pro Workshop	Within State	Participation
10	71772111200 Tharasre A	KumaraguruCollefe Of Technology	Yugam23- Staad Pro Workshop	Within State	Participation
11	71772111202 Vahini B	KumaraguruCollefe Of Technology	Yugam23- Staad Pro Workshop	Within State	Participation
12	71772111199 Thanu M B	KumaraguruCollefe Of Technology	Yugam23- Staad Pro Workshop	Within State	Participation
13	71772111202 Vahini B	Government College Of Engineering – Salem	Paper Presentation	Within State	Third prize
14	71772111304 Deepikasree N	Government College Of Engineering – Salem	Quiz	Within State	Participation
15	71772111304 DeepikaSree N	Government College Of Engineering – Salem	Paper Presentation	Within State	Participation
16	71772111304 Deepikasree N	Government College Of Technology- Coimbatore	Picapture	Within State	Participation
17	71772111179 RoshiniPriya K	PSG Institue Of Technology And Applied Research	Workshop On Building Information Modelling	Within State	Participation



Student Activities

S.No.	Name	Institute	Event	Event Level	Prize / Participation
18	71772111304 DeepikasreeNatarajan	Government College Of Technology-Coimbatore	Workshop on Pixefx	Within State	Participation
19	71772111169 Premalakshmi B	Government College Of Technology-Coimbatore	Workshop on Pixefx	Within State	Participation
20	71772111194 Suba V	Government College Of Technology-Coimbatore	Workshop on Pixefx	Within State	Participation
21	71772111182 Samyuktha K	Government College Of Technology-Coimbatore	Workshop on Pixefx	Within State	Participation
22	71772111115 Bhuvanesan S P	CEG Chennai	Bridge battle	Within State	Participation
23	71772111115 Bhuvanesan S P	CEG, Anna University, Chennai	Workshop On Building Information Modelling (BIM)	Within State	Participation
24	71772111142 Joe AntoBernold A	CEG, Anna University, Chennai	ArchiBuildo	Within State	Participation
25	71772111142 Joe AntoBernold A	CEG, Anna University, Chennai	Workshop On Building Information Modelling (BIM)	Within State	Participation



Student Activities

S.No.	Name	Institute	Event	Event Level	Prize / Participation
26	71772111142 Joe AntoBernold A	CEG, Anna University, Chennai	Bridge battle	Within State	Participation
27	71772111115 Bhuvanesan S P	CEG, Anna University, Chennai	Archibuildo	Within State	Participation
28	71772111146 Kumari A	CEG, Anna University, Chennai	Bridge battle	Within State	Participation
29	71772111146 Kumari A	CEG, Anna University, Chennai	Workshop On Building Information Modelling(BIM)	Within State	Participation
30	71772111146 Kumari A	CEG Chennai	Archibuildo	Within State	Participation
31	71772211149 Maheshwaran M	Karunya Conference Centre	Annual Training Camp	Within State	Participation
32	71772211179 Preethi A	Centaurus Aerospace Society GCT & Institute Industry Interaction Cell GCT	Basics of unmanned aerial vehicles	Within State	Participation
33	71772211170 Pavisha M	Quiz club of CIT	National level quiz event	Within State	Participation
34	71772211172 Poorvisha R	Tamilnadu Throwball Association For Men And Women (Regd)	Throw ball	Within State	Participation

Research and Development

Journal Publications :

Thenmozhi, R., Kavinilavu, A., Malathi, G., & Mohanambal, K. (2023). Artificial intelligence and machine learning models through robust feature extraction and transfer learning for enhanced image recognition. In International Conference on Communication, Security and Artificial Intelligence (ICCSAI 2023). Thenmozhi, R., & Vijaya Prabha, C. (2023). A study of alkali-activated coatings durability assessment in different environments. Polish Journal of Environmental Studies, 32(4). Paramasivan, S., & Thenmozhi, R. (2023). Strength studies on concrete using e- plastic waste as coarse aggregate. Global Nest Journal, 25(10). Paramasivan, S., & Thenmozhi, R. (2023). Experimental study on geopolymer concrete with partial replacement of Bethamcherla waste stone powder. Global Nest Journal, 25(4). Shoba, B., & Jeyanthi, J. (2023). Separation of oil-water emulsion by cellulose acetate ultrafiltration membrane. Environmental Technology. Ramasamy, B., Jeyanthi, J., & Chinnaiyan, P. (2023). Fe-TiO₂ and Ag-ZnO mediated visible light photocatalysis for atenolol and acetaminophen removal: A comparative study and modeling. Environmental Nanotechnology, Monitoring & Management, 19, 100779. Sadheesh, S., & Jeyanthi, J. (2023). Analysis of seasonal variation and dispersion pattern of ambient air pollutants in an urban environment. Global Nest Journal. Manoharan, S., & Jeyanthi, J. (2023). Effect of antioxidant addition on stability and emission aspects of novel biodiesel generated from the yeast *Yarrowia lipolytica* cultivated on dairy effluent. Journal of Renewable and Sustainable Energy. Preethi, G., & Jeyanthi, J. (2023). Biosorption of heavy metals using *Gracilaria edulis* seaweed: Batch adsorption, kinetics, and thermodynamic studies. Global Nest Journal. Velumani, M., & Jeyanthi, J. (2023). Conversion of novel tannery sludge-derived biochar/TiO₂ nanocomposite for efficient removal of Cr(VI) under UV light: Photocatalytic performance and mechanism insight. Environmental Science and Pollution Research.





- Karthik, V., Mohanasundaram, S., Ramaraju, P., Jeyanthi, J., & Periyasamy, S. (2023). TStuednym oonz hthi,e Rp.r,o dKuacvtinonil,a vcuh,a rAac.,t erMizaaltaitohni, aGn.d, a&p plMicoahtiaona omf bcaolc, onKu. t (fziobe2r3)b.iochar Afodrv eafnfceicntgiv ed reeemp ovleaal ronfi nCgo (ImI)o idoenls ftrhormou sgyhn throebtiuc
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- aggregate. Global Nest Journal, 25(10). HPaernaimthaas iBvanu, mS.a, t&h iT, Ahe.,n &m Joezyhaip, rRiy.a (,2 So.2 P3.) .(2Eox2p3e).r iAm neunmtael rsitcuadl syt ound yg oenop hoyldymroedynamic aconndc rlieqtueewfaitchti opnar atinaal lryespisla ocef
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- Sathyapriya, S., Sharvesh, R., Karthik, V., Periyasamy, S., & Sundramurthy, V. P. (2023). Study on osmotic consolidation and hydraulic conductivity behavior of an Texhpeannmsiovzeh is,o iRl .i,n uKnadvainteilda vwui, thA .s,o dMiuamla thchi,l oGri.d, e &s olMutoiohnan. aImntbearnl,a tKio. na(2l oJ2o3u)r.nal of
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- npeaerrtinalg r.eplacement of Bethamcherla waste stone powder. Global NSoenstiy Jao,u Srn. aMl, .2, 5&(4).Chithra, R. (2023). Performance analysis of cost-effective hybrid Spholoybpar,o Bpy.,l e&n eJ-eyrateneth ie,n Jg. i(n2eoe2r3e)d.
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- Kumar, M., Gokulan, R., Sujatha, S., Shanmuga Priya, S. P., Praveen, S., & Elayaraja, TS. The (2023) Bioremediation of heavy metal contamination in water using *Trichoderma reesei* and *Aspergillus niger*. *Journal of Environmental Studies*, 32(4).
- Anand, G., and M. D. (2023). A deep learning-based transfer learning for enhanced image recognition. In International Conference on Artificial Intelligence and Data Science (AIDS) (2023). Springer, Cham.
- Panrdaamvaars, i v Pa., n &, S. M., e&ia Trahje, n Cm. o (2023) R.. L (2023) p Sertfoen. Ain steudd cyi orcfu ailtk abloi-aarcddt ibvya taecddi dc olaetaicnhgisng and d Environmental Studies, 32(4).
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- Paramasivan, S., & Thenmozhi, R. (2023). Experimental study on geopolymer concrete with partial replacement of Bethamcherla waste stone powder. *Global Neirsmt Jaolu, rPn., a Cl, h2i5n(4n)a.raju, K., & Chithra, S. (2023). Incorporation of co nccroemtep. aMraattievrei alss tTuoddy a y:a Pnrdo cemedoindgelsi.ng. Environmental Na waste from sugar*
- S acetate ultrafiltration membrane. *Environmental Technology*. REalamngaosa, mK.y ,S .B, .S, aJreayvaanntahkiu, mJ., a r&, R C.,h Ainnnnaaidyuarna,i ,P S. .,(2Ro2je3)s.h kFeu-mTaiOr, 2K a.,n &d KAagr-thZinkOeyan, S. m(20ed23ia).t eCdo vmispibalrea tligveh ta pnhaolytsoicsa toafl yisnifsi lftorra taitoenn oalnodl a pnodr aec ecctoagmgiinogp ehfefnec rtesm inov pale:rvious A Monitoring & Management, 19, 100779. VSaijdahy,e Res.h, ,K uSm., ar&, A .J,e yKaunmthair,, AJ.. , A(2soh203k). KuAmnaalyr,s Vis. Do.f, Rsaejaessohnkaulm vaarr, iKat.i,o Knu manadr, V. D., Adimspbeertshi oJnil apnait tSearund oafg aamr, bAi.e,n Kt haiard peor,l lAut. aAn.t,s &in Aabni ruarmbai.n (e2nov2i3r)o. nCmOeVnItD. PGRloOb-aNLET: A Nest Journal. Mpraongonhoastriacn t, oSo.,l &to Jdeyeatenctth iC, OJ.V (2ID02-319). pEaffieiecnt tosf farnotmio xluidnagn Xt a-rdadyi taionnd oCnT s itmabaiglietys using atrnadn sefmeri slesaiorni nagsp aencdts Oo-fd enfoovrem.l ebdiq ednietrsoepl vg.





MOU Partners

Civil Engineering department has signed MoU with the following organisations for the betterment of academic and professional activities:

1. M/s. INFINUSTECH, Structural Engineering Consultancy Firm for the period
14.09.2020 - 13.09.2023
2. M/s. S G Structural Engineers, Civil and Structural Engineering Firm for the period
14.09.2020 - 13.09.2023
3. Irrigation Management Training Institute (IMTI) for the period 17.12.2020 - 16.12.2025

NPTEL Courses - Faculties



1. Dr. M. Rama – Outcome Based Pedagogic Principles for Effective Teaching (Feb – Mar, 4 Weeks)
2. Dr. M. Rama – Teaching and Learning in Engineering (Jan – Feb, 4 Weeks)
3. Dr. M. Rama – Effective Engineering Teaching in Practice (Jan – Feb, 4 Weeks)
4. Dr. M. Rama – Introduction to Intellectual Property for Engineers and Technologists (Feb – Apr, 8 Weeks)

Programmes Organised

- Dr. R. Thenmozhi – Condition Monitoring and Reliability Assessment in Civil Engineering (28.12.2023 – 29.12.2023, 2 Days)
- Dr. M. Rama – Innovation in Construction and Green Materials (07.08.2023 – 11.08.2023, 5 Days)
- Condition Monitoring and Reliability Assessment in Civil Engineering (28.12.2023 – 29.12.2023, 2 Days)



Programmes Organised

- Dr. V. Sathees Kumar – FDP on L&T EduTech – Naan Mudhalvan Phase-3 Faculty Development Program for Integrated Building Services (24.07.2023 – 28.07.2023, 4 Days)
- Dr. S. Chithra – Disaster Management (2023)
- Dr. R. Chithra – Disaster Management (2023)
- Dr. K. Rekha – AICTE Recognized FDP on Innovation in Construction and Green Building Materials (07.08.2023 – 11.08.2023, 5 Days)
- Dr. M. C. Ravathi – Innovation in Construction and Green Building Materials (07.08.2023 – 11.08.2023, 5 Days)
- Prof. S. Makesh Kumar – AICTE Recognized FDP on Innovation in Construction and Green Building Materials (07.08.2023 – 11.08.2023, 5 Days)
- Dr. R. Bhuvaneswari – Disaster Management (2023)
- Prof. C. Bharathi – Naan Mudhalvan Training: Piping Design, Modelling and Detailing (29.07.2023 – 03.08.2024, 6 Days)
- Dr. P. Nirmal – Integrated Building Services (24.07.2023 – 28.07.2023, 5 Days)
- Dr. J. Jeyanthi – Disaster Management
- Dr. S. P. Jeyapriya – Recent Advances in Forensic Analysis of Substructures and Superstructures (23.02.2024 – 29.02.2024, 7 Days)
- Recent Trends in Transportation & Geotechnical Engineering (04.03.2024 – 08.03.2024, 5 Days)
- Sustainable Advancement in Structural and Transportation Engineering (11.03.2024 – 15.03.2024, 5 Days)
- AICTE Recognized FDP on Affordable Housing Techniques and Practices (12.02.2024 – 16.02.2024, 5 Days)

Programmes Organised

- Prof. P. Andavar – Employability Skills (11.03.2024 – 16.03.2024, 6 Days)
- Oracle (05.08.2024 – 10.08.2024, 6 Days)
- Piping, Design Modelling and Detailing (29.07.2024 – 03.08.2024, 6 Days)
- Prof. K. Rajesh Kumar – Recent Advances in Waste Management (04.03.2024 – 08.03.2024, 5 Days)

Placements

CORE



IT SECTOR

