

DEPARTMENT OF CIVIL ENGINEERING

Konstrukcia
JUL'23 – DEC'23



Myleripalayam village, Othakkal Mandapam, Tamil Nadu 641032

NEWS LETTER



EDITORIAL COMMITTEE

FACULTY MEMBERS:

1. **Dr.G.K.ARUNVIVEK HOD/CE**
2. **Mr.C.PRADEEP KUMAR AP/CE**

STUDENT MEMBERS:

1. **DARSHAN K - 20C111- FINAL YEAR**
2. **MANISANKAR - 20C126 -FINAL YEAR**
3. **MANIVEL S - 717821C130 - THIRD YEAR**
4. **BALAJI A - 717821C108 - THIRD YEAR**

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DEPARTMENT @ GLANCE

The department of Civil Engineering was started in the year 2008. It offers an under graduate course in Civil Engineering with an intake of 60 students every year. Our main goal is to be the centre of excellence for the development and dissemination of knowledge in Structural Engineering, Construction Engineering and Management, Water Resources and Management, Transportation, Environmental Engineering, Urban Engineering, Geotechnical Engineering, Remote sensing, GIS and its applications. The Department has good infrastructure and it is well equipped with state- of- the art laboratory facilities necessary for imparting high quality education and is structured to meet our present day needs of the Civil Engineering field. Students from our department have always proved to be meritorious. The department has well experienced and qualified faculty members who are regularly presenting papers in and national and international conferences and publishing their technical papers in reputed journals. The department is supported by teaching staff of varied experience and specialization. Our Faculties are life members of various professional bodies such as ‘Indian Concrete Institute’ (ICI), The Institution of Engineers (India) (IE), Indian Geotechnical Society (IGS), Indian Society for Technical Education (ISTE), The Institution of Valuers (IOV), International Society for Research and Development (ISRDR), International Association of Engineers (IAENG), Indian Academicians and Researchers Association (IARA) etc.. The department functions with the dual inputs of industry and reputed academic bodies in the state.

VISION OF THE DEPARTMENT

- ❖ To produce technically knowledgeable and socially responsible Civil Engineers by inculcating value based technical education.

MISSION OF THE DEPARTMENT

- ❖ Imparting strong technical knowledge through qualified faculty.
- ❖ Enriching the exposure of the students in emerging technologies, entrepreneurship, and research by industry – institute interaction.
- ❖ Enabling the students to become professionally and socially responsible engineers.

PROGRAMME EDUCATIONAL OBJECTIVES (PEO)

PEO1: Graduates will formulate and solve problems in various domains of Civil Engineering by exhibiting their technical skills.

PEO2: Graduates will communicate effectively and work in multidisciplinary engineering projects following the ethics in their profession.

PEO3: Graduates will become entrepreneurs or successfully pursue higher education for their professional development.

PROGRAMME SPECIFIC OUTCOMES (PSO)

PSO1: Field applications oriented practical knowledge in Civil Engineering such as Planning, Analysis, Designing, Estimation and Execution by applying current concepts of mathematics and physical sciences.

PSO2: An ability to succeed competitive examinations which offers challenging and rewarding career and to become an efficient Design engineer, Structural consultant, Project engineer or Construction manager with the help of management skills and leadership characteristics.

TOP RECRUITERS



INDUSTRY INSTITUTE PARTNERSHIP CELL (IIPC)

- ❖ Signed MoU with Digital Land Surveying, Coimbatore on 18th August 2023.



Fig.1: MoU signed between Karpagam College of Engineering and Digital Land Surveying, Coimbatore on 18th August 2023

- ❖ Department of Civil Engineering organized a One Day National Level Workshop on “Hands-on training on DGPS, Drone Survey and its Applications” on 18th August 2023.



Fig.2: Er.S.S.Pravin explaining the application and usage of drone survey to the participants in the one day national level workshop on “Hands-on training on DGPS, Drone Survey and its Applications” on 18th August 2023.

- ❖ Signed MoU with SA Builders, Coimbatore on 25th September 2023.



Fig.3: MoU signed between Karpagam College of Engineering and SA Builders, Coimbatore on 18th August 2023

- ❖ Department of Civil Engineering organized a Guest Lecture on “Modern surveying using Total Station for Construction Projects” on 25th September 2023.



Fig.4:Mr.Loganathan,Proprietor SA builders delivered the lecture on “Modern surveying using Total Station for Construction Projects” on 25th September 2023.

FACULTY CORNER

Faculty Grants / Research Consultancy / Seed money

- ❖ Dr.G.K.Arunvivek, Professor & Head, Department of Civil Engineering received seed money of worth Rs.30000 for his research work “Development of building blocks using industrial by-products from the management of Karpagam College of Engineering.

Faculty Awards / Achievements/ Patents

- ❖ C.Pradeep Kumar, Dr.G.K.Arunvivek, D.Prasannan, E.Sakthivel published a patent titled “Ecothermocrete”, Application Number: 202244002153, on 14th July 2023.
- ❖ D.Prasannan, R.Manojsuburam, N.Sneha, M.Sivasharmina published a patent titled “Adobe Block” Application Number: 202244002153, on 21st July 2023.
- ❖ D.Prasannan, Assistant Professor served as a Guest speaker for the Guest Lecture titled “Modern Construction Techniques” organized by Muthyammal Polytechnic Institution, Namakkal on 31st July 2023.
- ❖ C.Pradeep Kumar, Assistant Professor has been awarded with the mentor certificate in recognition of his role as mentor for the NPTEL online certification course “Design of Reinforced Concrete Structures” during Jul-Dec 2023.
- ❖ E.Sakthivel, Assistant Professor has been awarded with the mentor certificate in recognition of his role as mentor for the NPTEL online certification course “Foundation Engineering” during Jul-Dec 2023.

Faculty Participation – Seminar / Webinar / Workshop / FDP / STTP

- ❖ D.Prasannan, Assistant Professor, has participated in 5 day Faculty Development Program on “product Design Engineering using Fusion 360” conducted by ICT Academy, Karpagam College of Engineering on 25th to 29th September 2023
- ❖ D.Prasannan, Assistant Professor, has secured Elite in the NPTEL course “Municipal Solid Waste Management” during Jul-Oct 2023.
- ❖ D.Prasannan, Assistant Professor, has attended FDP on NPTEL course “Municipal Solid Waste Management” during Jul-Oct 2023.
- ❖ R.Manojsuburam, Assistant Professor, has secured Elite in the NPTEL course “Introduction to Biomimicry” during Jul-Sep 2023.
- ❖ R.Manojsuburam, Assistant Professor, has attended FDP on NPTEL course “Introduction to Biomimicry” during Jul-Sep 2023.

- ❖ E.Sakthivel, Assistant Professor, has secured Elite + Silver and top 2% in the NPTEL course “Foundation Engineering” during Jul-Oct 2023.
- ❖ E.Sakthivel, Assistant Professor, has attended FDP on NPTEL course “Foundation Engineering” during Jul-Oct 2023.
- ❖ P.Jeganmurugan, Assistant Professor, has successfully completed the NPTEL course “Admixtures and Special Concretes” during Jul-Oct 2023.
- ❖ P.Jeganmurugan, Assistant Professor, has successfully completed the NPTEL course “Pavement Materials” during Jul-Oct 2023.
- ❖ P.Jeganmurugan, Assistant Professor, has attended FDP on NPTEL course “Admixtures and Special Concretes” during Jul-Oct 2023.
- ❖ P.Jeganmurugan, Assistant Professor, has attended FDP on NPTEL course “Pavement Materials” during Jul-Oct 2023.
- ❖ C.Pradeep Kumar, Assistant Professor, has secured Elite + Silver in the NPTEL course “Design of Reinforced Concrete Structures” during Jul-Oct 2023.
- ❖ C.Pradeep Kumar, Assistant Professor, has attended FDP on NPTEL course “Design of Reinforced Concrete Structures” during Jul-Oct 2023.
- ❖ N.Sneha, Assistant Professor, has participated in 5 day Faculty Development Program on “product Design Engineering using Fusion 360” conducted by ICT Academy, Karpagam College of Engineering on 25th to 29th September 2023
- ❖ B.T.Ushapriya, Assistant Professor, secured Elite in the NPTEL course “Introduction to Engineering Seismology” during Jul-Oct 2023.
- ❖ B.T.Ushapriya, Assistant Professor, attended FDP on NPTEL course “Introduction to Engineering Seismology” during Jul-Oct 2023.
- ❖ B.T.Ushapriya, Assistant Professor, has attended FDP on “Fusion 360”, organized JCT College of Engineering and Technology on 21st October 2023.
- ❖ A.Srinisha, Assistant Professor, has attended FDP on “Fusion 360”, organized JCT College of Engineering and Technology on 21st October 2023.

Faculty Publications – Books / Conferences / Journals

- ❖ D.Prasannan, Assistant Professor, has published a paper titled “Implementation of Soft Computing Techniques in Fine-Tuning of TRM- Concrete Bond Strength Models”, IEEE Xplore, pp 1897-1902, 2023.
- ❖ E.Sakthivel, Assistant Professor, has published a paper titled “Treatment of tannery effluent with activated carbon derived from tannery sludge and wood wastes by co-pyrolysis method”, AIP Conference Proceedings 2861, 070002 (2023).
- ❖ P.Jeganmurugan, Assistant Professor, has published a chapter in the book titled “Emerging Trends in Engineering, Management, Arts and Science”, ISBN No. 978-93-91697-09-9.
- ❖ C.Pradeep Kumar, Assistant Professor, has published a paper titled “Study on the Influence of Corrosion and Cracking in the Phosphate-Based Geopolymer Concrete Incorporated with Copper Slag” Iranian Journal of Science and Technology - Transactions of Civil Engineering, Vol.no 47(6), pp. 3333–3343, 2023.

- ❖ C.Pradeep Kumar, Assistant Professor, has presented a paper titled “Study on Flexural Behaviour of Reinforced Concrete with Polypropylene and Crimped Steel Fibers” in National Conference on Sustainable Materials and Smart Practices (NCSMSP 2023) organized by Department of Civil Engineering, Bannari Amman Institute of Technology, Erode during 19th and 20th October 2023.

STUDENTS CORNER

Students Awards / Achievements/ Patents

- ❖ Saravanan.G of third year civil engineering secured third place in the inter college short film competition held at Coimbatore book festival 2023, Codissia on 29th July 2023.
- ❖ Deepikha.V of third year civil engineering has won third place in QUIZZARD event held as a part of SNS COLORS organized by SNS college of Technology on 11th September 2023.
- ❖ Karthikeyan R of third year civil engineering has won first prize in the CAD contest event in the National Level Technical Symposium Kallikrates’23 organized by Department Of Civil Engineering, KPR Institute of Engineering and Technology, Coimbatore on 13th October 2023.

Students Participation – Seminar / Workshop / Symposium / NPTEL / AICTE / MOOC’s

- ❖ Darshan.K of final year civil engineering has secured Elite in the NPTEL course “Foundation Engineering” during Jul-Oct 2023.
- ❖ Manishankar.M of final year civil engineering has successfully completed the NPTEL course “Foundation Engineering” during Jul-Oct 2023.
- ❖ Vimalsanjay.B of final year civil engineering has successfully completed the NPTEL course “Foundation Engineering” during Jul-Oct 2023.
- ❖ Abinayashree.P of third year civil engineering has secured Elite in the NPTEL course “Design of Reinforced Concrete Structures” during Jul-Oct 2023.
- ❖ Bhadra Sanjay of third year civil engineering has successfully cleared the NPTEL course “Design of Reinforced Concrete Structures” during Jul-Oct 2023.
- ❖ Kishore.R of third year civil engineering has secured Elite in the NPTEL course “Design of Reinforced Concrete Structures” during Jul-Oct 2023.
- ❖ Dheenathayalan.B of third year civil engineering has participated in the workshop on “Importance of Leadership Quality, Decision Making & Problem Solving Skills for a civil engineer” organized by Profenaa Technologies, Coimbatore on 26th August 2023.
- ❖ Sridhar.S of third year civil engineering has participated in the workshop on “Importance of Leadership Quality, Decision Making & Problem Solving Skills for a civil engineer” organized by Profenaa Technologies, Coimbatore on 26th August 2023.
- ❖ Balaji.A of third year civil engineering has participated in the workshop on “Importance of Leadership Quality, Decision Making & Problem Solving Skills for a civil engineer” organized by Profenaa Technologies, Coimbatore on 26th August 2023.

- ❖ Gnanaseelan.S of third year civil engineering has participated in the workshop on “Importance of Leadership Quality, Decision Making & Problem Solving Skills for a civil engineer” organized by Profenaa Technologies, Coimbatore on 26th August 2023.
- ❖ Manivel.S of third year civil engineering has participated in the workshop on “Importance of Leadership Quality, Decision Making & Problem Solving Skills for a civil engineer” organized by Profenaa Technologies, Coimbatore on 26th August 2023.
- ❖ Naveen.L of third year civil engineering has participated in the workshop on “Importance of Leadership Quality, Decision Making & Problem Solving Skills for a civil engineer” organized by Profenaa Technologies, Coimbatore on 26th August 2023.
- ❖ Nelson.C of third year civil engineering has participated in the workshop on “Importance of Leadership Quality, Decision Making & Problem Solving Skills for a civil engineer” organized by Profenaa Technologies, Coimbatore on 26th August 2023.
- ❖ Thasniya Parvez.S of third year civil engineering has participated in the workshop on “Importance of Leadership Quality, Decision Making & Problem Solving Skills for a civil engineer” organized by Profenaa Technologies, Coimbatore on 26th August 2023.
- ❖ Gokulan.C of third year civil engineering has participated in the workshop on “Importance of Leadership Quality, Decision Making & Problem Solving Skills for a civil engineer” organized by Profenaa Technologies, Coimbatore on 26th August 2023.
- ❖ Rijuvarnika.R of third year civil engineering has participated in the workshop on NDT during “YANTRIKA’23 – A National Level Technical Symposium” organized by KPR Institute of Engineering and Technology, Coimbatore on 11th and 12th October 2023.
- ❖ Barath.P of third year civil engineering has participated in the workshop on NDT during “YANTRIKA’23 – A National Level Technical Symposium” organized by KPR Institute of Engineering and Technology, Coimbatore on 11th and 12th October 2023.
- ❖ Deepikha V of third year civil engineering has participated in the workshop on NDT during “YANTRIKA’23 – A National Level Technical Symposium” organized by KPR Institute of Engineering and Technology, Coimbatore on 11th and 12th October 2023.
- ❖ Rijuvarnika.R of third year civil engineering has participated in the workshop on “3D surveying LIDAR” held as a part of SNS COLORS organized by SNS college of Technology, Coimbatore on 11th September 2023.
- ❖ Deepikha V of third year civil engineering has participated in the workshop on “3D surveying LIDAR” held as a part of SNS COLORS organized by SNS college of Technology, Coimbatore on 11th September 2023.
- ❖ Rijuvarnika.R of third year civil engineering has participated in the Research Rise event held as a part of SNS COLORS organized by SNS college of Technology, Coimbatore on 11th September 2023.
- ❖ Abinayashree.P of third year civil engineering has participated in the Technical quiz & Code Cracking event in the National Level Technical Symposium Kallikrates’23 organized by Department Of Civil Engineering, KPR Institute of Engineering and Technology, Coimbatore on 13th October 2023.
- ❖ Bhadra Sanjay of third year civil engineering has participated in the Technical quiz & Code Cracking event in the National Level Technical Symposium Kallikrates’23 organized by

Department Of Civil Engineering, KPR Institute of Engineering and Technology, Coimbatore on 13th October 2023.

- ❖ Divya Dharshini V of third year civil engineering has participated in the Technical quiz & Code Cracking event in the National Level Technical Symposium Kallikrates'23 organized by Department Of Civil Engineering, KPR Institute of Engineering and Technology, Coimbatore on 13th October 2023.
- ❖ Karthikeyan R of third year civil engineering has participated in the Technical quiz & Code Cracking event in the National Level Technical Symposium Kallikrates'23 organized by Department Of Civil Engineering, KPR Institute of Engineering and Technology, Coimbatore on 13th October 2023.
- ❖ Krishna Kumar.P of third year civil engineering has participated in the Technical quiz & Code Cracking event in the National Level Technical Symposium Kallikrates'23 organized by Department Of Civil Engineering, KPR Institute of Engineering and Technology, Coimbatore on 13th October 2023.
- ❖ Karthick.P of third year civil engineering has participated in the Technical quiz & Code Cracking event in the National Level Technical Symposium Kallikrates'23 organized by Department Of Civil Engineering, KPR Institute of Engineering and Technology, Coimbatore on 13th October 2023.

EVENTS ORGANIZED

- ❖ Department of Civil Engineering organized a Visvesvaraya Memorial Lecture on “Advanced field testing techniques in Geotechnical Engineering” on 15th September 2023.



Fig.5: Mr.Rathinavel M is delivering the lecture on the topic “Advanced field testing techniques in Geotechnical Engineering” on 15th September 2023.

- ❖ Department of Civil Engineering organized a Webinar on “Introduction to Cloud Based RC Building Earthquake Resistant Structural Design Software” on 21st September 2023.
- ❖ Department of Civil Engineering organized a One Day National Level Workshop on “Design of Structural Elements using Tekla Structures” on 12th October 2023.



Fig.6: Glimpses of one day national level workshop organised by the department of civil engineering on the topic “Design of Structural Elements using Tekla Structures” on 12th October 2023.

- ❖ Department of Civil Engineering organized a Guest Lecture on “Building Information Modelling” on 19th October 2023.

Industrial Visit / Implant Training

- ❖ Department of civil engineering organized an industrial visit for the students of third year to Chilihole reservoir, Coorg and Harangi dam, Coorg on 11th & 12th August 2023.



Fig.7: Third year civil engineering student visited the Chilihole reservoir and Harangi dam, located at coorg, Karnataka on 11th & 12th August 2023.

- ❖ Department of Civil Engineering organized a local visit to Malabar Cements Limited, Walayar on 27th September 2023.



Fig.8: Third year Civil Engineering Students visited Malabar Cements Limited, Walayar on 27th September 2023

- ❖ Department of Civil Engineering organized a local visit to JAS Associates, Coimbatore on 18th October 2023.



Fig.9: Third year civil engineering students visited an ongoing construction site located at peelamedu, Coimbatore which is constructed by JAS associates.

Placement

- ❖ 45 students from the final year civil engineering has been placed in various companies in and around Coimbatore city with the salary packages varying form 1.2 LPA to 2 LPA

Extra-Curricular Activities – Sports / Cultural

- ❖ Revanth T and Siva S of third year civil engineering has took part in the college hockey team won bronze medal in the Anna University Zonal 10 Hockey tournament conducted at Hindustan College of Engineering on 31st October 2023.



Fig.10: College hockey team with the trophy in the Anna University Zonal 10 Hockey tournament conducted at Hindustan College of Engineering on 31st October 2023. Second from top right is Revanth T of 3rd year civil engineering and third from bottom left is Siva S of 3rd year civil engineering.

