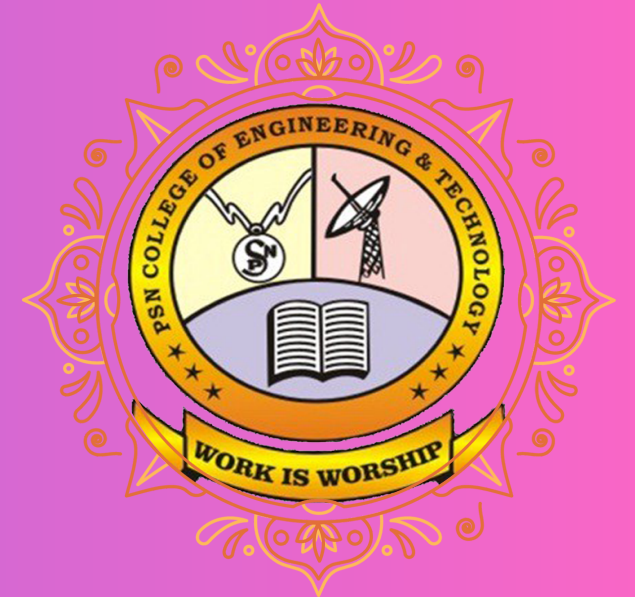


PSN COLLEGE OF ENGINEERING AND TECHNOLOGY

TIRUNELVELI



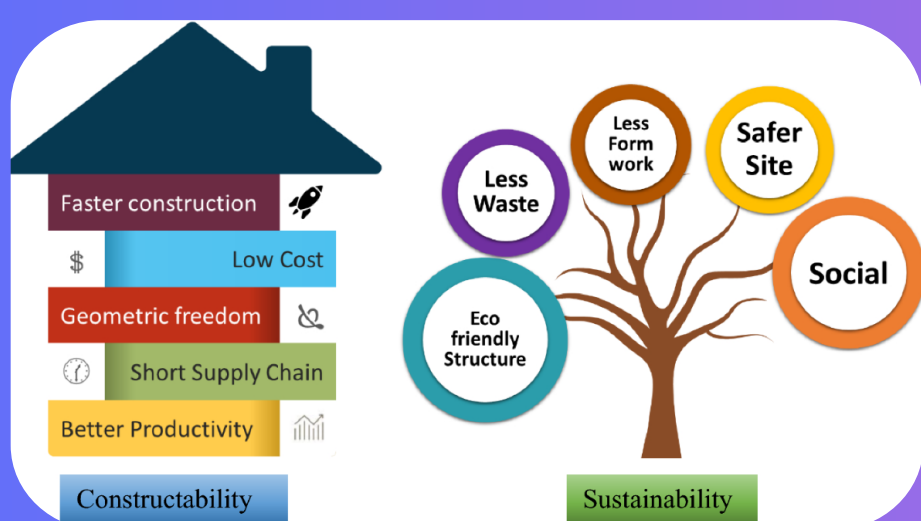
2023-2024
ODD SEM

DEPARTMENT OF CIVIL ENGINEERING

ENVIRONS | VOLUME 1 | ISSUE 1

EXPLORING THE IMPACT OF 3D PRINTING IN CONSTRUCTION

- The construction industry is being transformed by 3D printing technology, offering efficiency, cost-effectiveness, design flexibility, sustainability, innovative materials, and affordable housing solutions. 3D printing reduces construction time and labor costs, allowing for more efficient workflows and resource utilization. It also offers unparalleled design flexibility, allowing architects to create complex structures that were previously impractical. The technology also minimizes waste and reduces the carbon footprint associated with transportation and construction processes. The development of advanced materials, such as biodegradable polymers and recycled materials, is expanding the possibilities for construction. Despite challenges like regulatory hurdles and technological limitations, 3D printing presents opportunities for innovation and collaboration.



SEMINAR



- The Department of Civil Engineering at PSN College of Engineering and Technology hosted a seminar on "Time Management and Self-Awareness" with Dr. P.S.P. Shankar Ganesh as the resource person. The seminar focused on the importance of time management for personal and professional goals and the role of self-awareness in time management. Seven students participated, demonstrating their eagerness to enhance their skills.

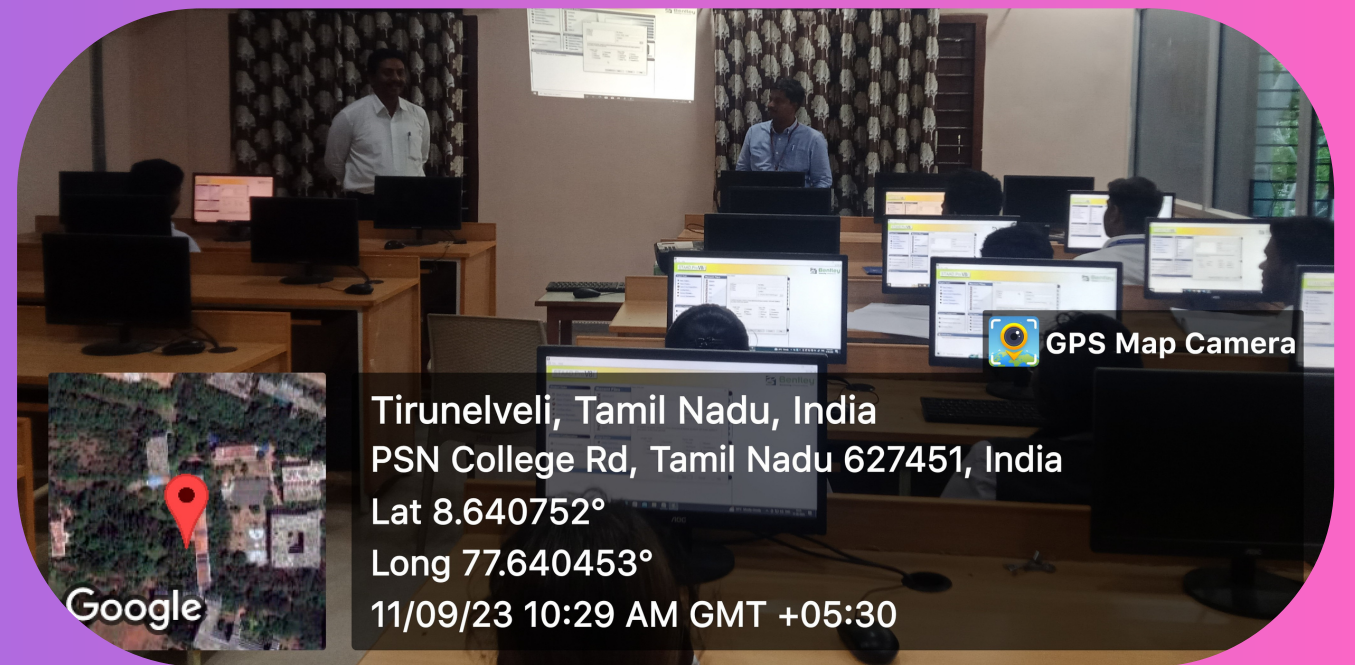


EXTENSION ACTIVITIES



- On October 10, 2023, students in Soorangudi organized a door-to-door campaign to raise awareness about dengue fever. With 11 students and 2 faculty members, they educated the local community about prevention and mitigation. This grassroots effort showcases their commitment to public health and community service, and their efforts demonstrate the positive impact of collective action and community involvement.

VALUE ADDED COURSES



- The Department of Civil Engineering organized a 5-day course on RCC Building Analysis using STAAD PRO V8i, which was attended by 14 students. The course, led by Dr. P. Maria Antony Sebastin Vimalan, provided students with practical skills and knowledge for effective structural analysis and design. The course was aimed at enhancing students proficiency in this crucial area of civil engineering. The Department expresses gratitude to Dr. Vimalan and all participants for their active involvement in the program.

VALUE ADDED COURSES



- The Department of Civil Engineering conducted a 5-day course on Drawing Preparation for OBPS (Online-Building Permission System) to enhance the skills of 23 students. The course, led by expert faculty members, provided practical knowledge and hands-on experience in drawing preparation using OBPS. The course aimed to equip students with essential skills required in civil engineering, enhancing their employability and readiness for the industry. The Department appreciates the enthusiastic participation and dedication of the students.

FIELD VISITS



- On June 17, 2023, 37 students from the Department of Civil Engineering visited Puliyamarathadi Natural Farm to learn about organic farming practices. They attended a talk by Dr. S. Viswanathan, Associate Professor of Microbiology at Sri Paramakalyani College, Alwarkurichi, Tenkasi, and participated in a Tamil Poem and Quiz Competition. The visit aimed to broaden students' perspectives and instill appreciation for organic farming practices. The Department thanks the students for their participation and success in the competitions.

INDUSTRIAL VISITS



- Our final and third-year students visited the Pavoorchathram Bridge construction site on July 17, 2023, to gain insights into real-world engineering practices and project execution. Guided by Mr. V. Manibharathi, Head of Department for Civil Engineering, and Assistant Professors V. Ramesh and D. Rebekhal, they witnessed the complexities of bridge construction across railway tracks. Senior Engineer Mr. A. Raja provided detailed explanations of the project's plan and execution, enhancing students' theoretical knowledge and practical skills.

COURSES ATTENDED BY FACULTY

NAME OF THE FACULTY MEMBER(S)	TITLE OF THE PROGRAMME	DURATION (FROM – TO)
Mr.B.Muthuramu	Cloud Infrastructure (AWS)	21.08.2023 - 25.08.2023
Dr.P.Subramanian Mr.B.Muthuramu Mr.V.Ramesh Mrs.M.Abinaya	Future Scope for Additive Manufacturing in Industrial and Bio- Medical Applications	17.07.2023 - 21.07.2023
Mrs. D.Rebekhal	NPTEL Course (Civil Engineering) - GPS Surveying	July-Aug 2023
Mr.B.Muthuramu Mr.V.Ramesh Mrs.M.Abinaya	Realizing the Benefits of Academic Research	10.07.2023 - 15.07.2023
Mr.V.Manibaharathi Mr.M.Suresh Mrs.S.Anusuya Rani Mrs. R. Mani Nivedhitha	A Future Water Conservation	10.06.2023 - 15.06.2023



PARTICIPATION IN EVENTS (STUDENTS)

- B. Kalpana Devi & M. Ramalakshmanan, III Civil Participated in “Poetry & Essay Writing” organised by Department of Civil Engineering & Puliyamarathadi Organic farm - kalidaikurichi on 17 June., 2023.
- Lakshmi P, IV Civil Participated & First Prize in “Poetry” organised by Department of Civil Engineering & Puliyamarathadi Organic farm - kalidaikurichi on 17 June., 2023.
- Naren kumar M, III Civil Participated & Second Prize in “Modelling” organised by Environment Club (PSNCET) on 05 June., 2023.
- Ramalakshamanan M, III Civil Participated & First Prize in “Elocution” organised by PSNCET on 23 July., 2023.
- Ramalakshamanan M, III Civil Participated & First Prize in “Elocution” organised by PSNCET on 23 July., 2023.
- Aasifmohaideen N, Anand S, Dheenathayalan M, Saraswathy V , IV Civil & Kavin M, Kalpanadevi B, III Civil Participated in “Drawing Competition – Food for a healthy world” organised by Food & Hygiene Club (PSNCET) on 30 Aug., 2023.
- Rajkumar C & Aasifmohaideen N, IV Civil Participated in “Model Making Competition” organised by Green campus club (PSNCET) on 15 Sep., 2023.

PARTICIPATION IN EVENTS (STAFF)

- Mr.B.Muthuramu, AP/Civil & Mr.V.Ramesh, AP/Civil attended an online quiz on "Knowledge Quiz Series on Electric vehicles - II" organized by Karpagam College of Engineering, Coimbatore on 11.06.2023.
- Mr.B.Muthuramu, AP/Civil & Mr.V.Ramesh, AP/Civil attended an online quiz on "Knowledge Quiz Series on Electric vehicles - III" organized by Karpagam College of Engineering, Coimbatore on 25.06.2023.
- Mr.B.Muthuramu, AP/Civil, Mr.V.Ramesh, AP/Civil & Ms.S.Mahalakshmi, AP/Civil attended a Webinar on "Design Thinking for Innovations" organized by Institution of Engineers (India), Tiruchirappalli Local Centre on 27.06.2023.
- Mr.B.Muthuramu, AP/Civil & Mr.V.Ramesh, AP/Civil attended a Webinar on "Behavior Based Safety" organized by Institution of Engineers (India), Tiruchirappalli Local Centre on 04.07.2023.
- Mr.B.Muthuramu, AP/Civil & Mr.V.Ramesh, AP/Civil attended an online quiz on "Knowledge Quiz Series on Electric vehicles - IV" organized by Karpagam College of Engineering, Coimbatore on 09.07.2023.
- Mr.B.Muthuramu, AP/Civil & Mr.V.Ramesh, AP/Civil attended an online quiz on "Knowledge Quiz Series on Electric vehicles - V" organized by Karpagam College of Engineering, Coimbatore on 23.07.2023.



PARTICIPATION IN EVENTS (STAFF)

- Mr.B.Muthuramu, AP/Civil & Mr.V.Ramesh, AP/Civil attended an Guest Lecture on "Introduction to Intellectual Property Rights and Patent Filing Procedure" organized by CK College of Engineering and Technology on 28.07.2023.
- Mr.K.Sri Ram Gopal, AP/Civil & Dr.M.Anandh Babu, ASP/Civil attended an Guest Lecture on "Recent Advances in Sustainable Materials (GC-RASM 2023)" organized by PGP College of Engineering & Technology on 27.07.2023 & 28.07.2023.
- Mr.K.Sri Ram Gopal, AP/Civil & Dr.M.Anandh Babu, ASP/Civil attended an Guest Lecture on "Recent Advances in Sustainable Materials (GC-RASM 2023)" organized by PGP College of Engineering & Technology on 27.07.2023 & 28.07.2023.
- Mr.B.Muthuramu, AP/Civil & Mr.V.Ramesh, AP/Civil attended an online quiz on "Knowledge Quiz Series on Electric vehicles - VI" organized by Karpagam College of Engineering, Coimbatore on 06.08.2023.
- Mr.B.Muthuramu, AP/Civil & Mr.V.Ramesh, AP/Civil attended a Webinar on "Knowledge Quiz Series on Electric vehicles - VII" organized by Karpagam College of Engineering, Coimbatore on 20.08.2023.
- Mr.B.Muthuramu, AP/Civil & Mr.V.Ramesh, AP/Civil attended an online quiz on "Step wells of India - the ancient historical architecture structure for water conservation" organized by Institution of Engineers (India), Tiruchirappalli Local Centre on 16.08.2023.
- Mr.B.Muthuramu, AP/Civil attended a Seminar on "3D Metal Printing, Technology" organized by PSN College of Engineering and Technology (Autonomous) – Tirunelveli on 24.08.2023.
- Mr.B.Muthuramu, AP/Civil & Mr.V.Ramesh, AP/Civil attended a Webinar on "Knowledge Quiz Series on Electric vehicles - IX" organized by Karpagam College of Engineering, Coimbatore on 19.09.2023.
- Mr.B.Muthuramu, AP/Civil & Mr.V.Ramesh, AP/Civil attended a Webinar on "Opportunities for Engineers in modern India" organized by Institution of Engineers (India), Tiruchirappalli Local Centre on 26.09.2023.
- Mr.B.Muthuramu, AP/Civil & Mr.V.Ramesh, AP/Civil attended a Webinar on "Knowledge Quiz Series on Electric vehicles - XIII" organized by Karpagam College of Engineering, Coimbatore on 27.11.2023.
- Mr.B.Muthuramu, AP/Civil & Mr.V.Ramesh, AP/Civil attended a two day Workshop on "Research Writing And Publication Strategies" organized by MBien Analytica and Systems in association with Adonic Informatics from 25.11.2023 to 27.11.2023.



PSSS PROJECT PROPOSAL SUBMITTED

- Mr .K. Sri Ram Gopal, AP/Civil submitted a project proposal titled on "Utilization Of Tire Rubber Waste as a Replacement of Coarse Aggregate in Zero Cement Concrete" on 28.08.2023.
- Dr. M. Anandh Babu, ASP/Civil submitted a project proposal titled on "Granite Waste Powder as replacement of Pozzolanic Material in Geopolymer Concrete" on 28.08.2023.

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VISION

- To Produce competent, disciplined quality Engineers and administrators in accordance with global standards in Civil Engineering with capability of accepting new challenges.

MISSION

- To develop and train the students in order to meet dynamic needs and demands of the society.
- To promote research and continuing education.
- To enhance professional and entrepreneurial skills with ethical values through industry - institute interaction.