



SRI MANAKULA VINAYAGAR ENGINEERING COLLEGE

(An Autonomous Institution)

(Approved by AICTE, New Delhi & Affiliated to Pondicherry University,
Accredited by NBA-AICTE, New Delhi & ISO 9001:2000 Certified Institution &
Accredited by NAAC with 'A' grade,)

MADAGADIPET, PUDUCHERRY - 605 107.



Department of Civil Engineering



GRAVITY NEWSLETTER
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2021-2022

ABOUT THE INSTITUTION

- Sri Manakula Vinayagar Engineering College was established in the year 1999. The Institution has been approved by AICTE, New Delhi and affiliated to Pondicherry University . It is the first Institution in Pondicherry State which got ISO 9001:2000 certificate established the 'Nila Community Radio Station' with the approval of Government of India. It is the First engineering college in Puducherry which is accredited by NAAC with 'A' grade. It is also accredited by NBA-AICTE, New Delhi, IT giant Tata Consultancy Services (TCS) and got Autonomous status for Ten years (2019-2029)
- The Institution has been set up in sprawling campus of 125 acres.

ABOUT THE DEPARTMENT

- Civil Engineering is the oldest discipline after military engineering which is engrossing the world civilization.
- Civil engineering is the art of directing the great sources of power in nature for the use and convenience of mankind.
- Civil engineering has the multi-dimensional sphere in the public sector from municipal to national government, and in the private sector from individual homeowners to international companies, Such a department which has relevance and importance in all walks of human life came into existence in this institution from the academic year 2012-13.



Courses Offered

- B. Tech

Intake - 60

College Vision & Mission

Vision

To be globally recognized for excellence in quality education, innovation and research for the transformation of lives to serve the society.

Mission

M1: Quality Education: To provide comprehensive academic system that amalgamates the cutting edge technologies with best practices.

M2: Research and Innovation: To foster value-based research and innovation in collaboration with industries and institutions globally for creating intellectuals with new avenues.

M3: Employability and Entrepreneurship: To inculcate the employability and entrepreneurial skills through value and skill based training.

M4: Ethical Values: To instill deep sense of human values by blending societal righteousness with academic professionalism

Department Vision & Mission

Vision

We envision a world where the civil engineering department will be a home to an intellectual community with good quality education embedded with practical knowledge by inculcating research, strong social commitment and ethical values from its students, staffs and alumni.

Mission

M1: Quality Education: To fulfill the requirements of construction industry, Civil Engineering profession and rural community through dissemination of technical services.

M2: Practical Knowledge: To impart quality and real-time education to the students with the knowledge & skills needed for Civil Engineering practice

M3: Work Efficiency: To encourage research, development and consultancy through sustained interaction with industry & research organization.

M4: Societal issues: To develop graduates to compete at the global level to deal with modern issues.

M5: Moral & Ethical: To insist ethical values and professionalism among the students.

GUEST LECTURES/SEMINAR

- A Technical Webinar on “An Introduction to Geotechnical Explorations and Report Writing” by R.Shanmugapriya, Research Scholar, IIT Madras on 05.07.2021
- A Technical Seminar under 'Awas Par Samvaad' Scheme on Theme: Technology and Innovation “Measures of Quality Control & Assurance in housing projects” by Er.S.Ragunathan, Chief Engineer (Rtd), PWD, Puducherry, Er.T.Vaittainadane, Assistant Engineer (Rtd.), PWD, Puducherry, Er.S. Thirougnaname, Assistant Engineer, PWD, Puducherry, Er. M. Kandarselvan, Town Planner, Town & Country Planning Department, Puducherry, Er. S. Sivakandan, Chairman ICI, Puducherry Center Puducherry on 11.09.2021
- A Technical Seminar on “Placement Strategy During Pandemic from CAMPUS to CORPORATE” by Mr.K.A.Prabhakar, CEO, CADD Centre , Puducherry on 23.09.2021
- A Technical Seminar on “AutoCAD in Civil Engineering” by Mrs.S.Uma, CADD Centre , Puducherry on 24.09.2021
- A Technical Seminar on “An Introduction to Green Building Ideas and Techniques” by Er.M.Neamitha, Senior Engineer, Larsen and Toubro Ltd., Chennai on 09.10.2021
- A Technical Guest Lecture on “Construction Practices” by Er.K.Arivajagane, President, PONCEA, Puducherry on 29.10.2021
- A Technical Guest Lecture on “Energy Efficient Building Materials” by Er.K.Magalingame, Past President, PONCEA, Puducherry on 29.10.2021
- 2021 A Technical Seminar on “Sketch up” by R.Udhayasankar, Civil engineering software Trainer, Erode on 16.11.2021



WORKSHOP/HANDS ON TRAINING

- A Hands on Training on “Geodetic Surveying” by Ladder Survey Pvt.Ltd Chennai on 06.11.2021
- A Workshop on “Structural Analysis” by Dr. S.Thirugnanasambandam Ph.D., Professor Department of Civil & Structural Engineering, Annamalai University on 25.09.2021
- A Workshop on “Economics and its importance for Civil Engineers” by Dr.A.Rose Enid Teresa Professor and Head, Dept. of Civil Engineering, Rajalakshmi Engineering College, Chennai on 11.09.2021
- A Workshop on “Modern Materials for Construction” by Er.V.R.Ajitchandran, Consulting Engineer, Chairman ACCE(I), Puducherry Center on 17.08.2021
- A Hands on Training on “Geotechnical Engineering Laboratory” by Dr.S.Pradeepkumar, M.Tech., Ph.D., Assistant Professor, VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad on 10.07.2021

STUDENT ACHIEVEMENTS/PARTICIPATION

- **Evanick Ryan A** Participated a Technical-Webinar conducted by Sri Sairam Engineering College on 24.08.2021
- **Premkumar V** Won Gold medal in Boxing conducted by Pondicherry Amateur Boxing Association on 04.09.2021
- **Premkumar.V** Won 1st prize in Boxing conducted by Pondicherry amateur Boxing Association on 05.09.2021
- **Premkumar.V** Participated in Boxing conducted by Boxing Federation of India Participation on 15.09.2021
- **Naveen Kumar A R** Participated a Technical - Tec quiz conducted by KL UNIVERSITY on 15.09.2021
- **Davakumar D** Participated a Technical - Symposium conducted by Kongunandu College of Engineering on 25.09.2021
- **Shanmugapriya C** Won 1st Prize in Technical - Paper Presentation conducted by Jai Sriram Engineering College on 1.10.2021
- **Logesh G** Won 1st Prize in Technical - Paper Presentation conducted by Jai Sriram Engineering College on 1.10.2021
- **Premkumar.V** Participated in Boxing conducted by LPU, Punjab, on 26.12.2021
- **Shobaa B** Participated a Technical – Quiz conducted by Vaagdevi College of Engineering on 28.07.2021
- **Shasidhar P** Participated a Technical - CAD Modeling conducted by Jai Sriram Engineering College on 1.10.2021



STAFF PUBLICATION

- **Dr. S. Jayakumar** “Structural damages detection using ultrasonic sensor with automatic flaw messenger” Journal of Xidian University, Vol. 15, Issue 5, 2020, ISSN: 1001-2400
- **Kalyani A** “The Automated Flood Detection and Warning System by using Sensors” International Journal of Innovative Research in Technology, June 2021, Volume 8, Issue 1, ISSN: 2349-6002
- **Yamuna G** “A Comparative Assessment on Pavement Conditions of Rural and Urban Roads” International Journal of Research Publication and Reviews, Vol (2) Issue (7) (2021) Page 243-246, ISSN 2582-7421
- **Dr.S.Sundararaman** “An Experimental Study on Self-curing concrete Incorporated with Bagasse Ash and Polyethylene Glycol 600” International Journal of Innovative Research in Technology, June 2021, Volume 8, Issue 1, ISSN: 2349-6002
- **Sivaprasath S** “Systematic udometer with automated messages” International Research Journal of Modernization in Engineering Technology and Science, Volume:03,Issue:26,June-2021, e-ISSN: 2582-5208
- **Yamuna G** “An assessment of existing road stretch towards sustainable transportation” International Research Journal of Modernization in Engineering Technology and Science, Volume:03,Issue:26,June-2021, e-ISSN: 2582-5208
- **Azhagarsamy S** “Risk Assessment in Construction of Highway Project” International Journal of Innovative Research in Technology, June 2021, Volume 8, Issue 1, ISSN: 2349-6002.
- **Sivaprasath S** “Determination of ground water quality in puducherry region by using water quality index” International Journal of Scientific Research in Engineering and Management, Volume: 05 Issue: 30,June - 2021
- **Sathiyasree D** “Crack Sensing and Filling Using Automatic Robot” International journal of innovative research in technology, June 2021, IJIRT ,Volume 8 Issue 1,ISSN: 2349-6002
- **Prasath K.S.** “Analysis of Pothole detection by image processing method” International Journal for Research in Applied Science &Engineering Technology, Volume 9, Issue VIII, August 2021, ISSN: 2321-9653.

PLACEMENT'S

S.No	Name of the Organization	2021-2022 (ODD)
1	Tata Consultancy Services	3
2	Cognizant Technology Solutions	5
3	Wipro Limited	3
4	Mu Sigma	1
5	MST Rebar Services	-
6	Econstruction Design & Build Pvt.Ltd	-
7	VLand Engineering & Construction Pvt.Ltd	-
Total No.of Offers		12(bill Dec)

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

PEO1: Fundamental Knowledge

To gain a thorough fundamental knowledge, problem solving skills, engineering experimental abilities, and design capabilities for a civil engineering career.

PEO2: Knowledge and Skills

To establish the knowledge and skills necessary for identifying and assessing design alternatives and the related social, economic, environmental, and public safety impacts.

PEO 3: Societal Implications

To develop the ability to deal effectively with ethical and professional issues, taking into account the broader societal implications of civil engineering

PEO 4: Competent Professionals

To create competent professionals who are trained in the design and development of Civil Engineering systems to engulf research and development activities

PROGRAM SPECIFIC OUTCOMES (PSOs)

PSO 1: Practical Knowledge

Inculcating practical knowledge in planning, analysis, design and construction management without much exploiting natural resources.

PSO 2: Critical Thinking

Imparting effective communicational skills, leadership attributes towards the team work and developing critical thinking abilities to find solutions for civil engineering problems of multi-disciplinary nature.

PSO 3: Challenging Employment

Ability to take up any challenging employment, entrepreneurship, research and development for sustainable civil society as a civil engineering graduate.



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