

ERODE SENGUNTHAR

ENGINEERING COLLEGE





Approved by AICTE, New Delhi, Permanently Affiliated to Anna University- Chennai, Accredited by National Board of Accreditation (NBA), New Delhi & National Assessment and Accreditation Council (NAAC), Bangalore with 'A' Grade PERUNDURAI -638 057, TAMILNADU, INDIA



NEWS LETTER

(2022- 2023) - VOLUME I

EDITORIAL BOARD

FACULTY COORDINATOR:
Mr K Vallarasu, AP / Civil Engineering

STUDENT COORDINATOR:

P Balagoutham - II Year Civil Engineering S Dinesh - III Year Civil Engineering





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Vision of the Department

To emerge as a leading department for Education, Training and Research in Civil Engineering for realizing socio-economic progress of the country in a sustainable manner.



Mission of the Department

M 1 (Advancement in Civil Engineering):

 To educate students on design, construction, maintenance and advancements in Civil Engineering for providing solutions to the betterment of the society.

M 2 (Best Practices):

* To enrich and enhance the knowledge on best practices in various areas of Civil and Allied Engineering through collaborations with global institutions of excellence, industries and research organizations.

M 3 (Industrial and societal relevance):

• To offer world class undergraduate, postgraduate and research programs of industrial and societal relevance in Civil Engineering.

M4(Global challenges with ethical standards):

 To produce high professional Civil Engineers to address global challenges with ethical standards.





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PROGRAM OUTCOMES & PROGRAM SPECIFIC OUTCOMES

1. Engineering knowledge:

Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

2. Problem analysis:

Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

3. Design/development of solutions:

Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

4. Conduct investigations of complex problems:

Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

5. Modern tool usage:

Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

6. The engineer and society:

Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

7. Environment and sustainability:

Understand the impact of the professional engineering solutionsin societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

O 8. Ethics:

Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice

9. Individual and team work:

Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

10. Communication:

Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

11. Project management and finance:

Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

12. Life-long learning:

Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PSO1: Technical & Contract Know how

Graduates will be able to use modern techniques and conduct investigation in the field of surveying and geotechnical related works.

PSO2: Software knowledge

Graduates will be able to apply software knowledge to design and implement projects in the construction and infrastructure industries.

PSO3: Managerial skills

Graduates will be able to apply technical knowledge to plan and prepare reports and execute projects with quality human approach.

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INSTITUTION INNOVATION COUNCIL

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Teaching Learning Process

Interactive Lessons

Cross Over Teaching

Design -Thinking Process

Project Based Learning

Inquiry Based Learning

Jigsaw

Peer Teaching

Peer Feedback







Personalized Learning

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ACTIVITIES DURING THE YEAR 2022 - 2023 (ODD SEMESTER)



Dr V Manimaran, Associate Professor, Forestry, JKK Munirajah College of Agricultural Science has delivered a Guest lecture & Tree Plantation event on International Youth Day on 12.08.2022



Mr. R Udhaysankar, M.E., Managing Director, BTR Construction, Erode has Inaugurated the Civil Association and delivered a Guest lecture on 18.08.2022



Dr.Janani Selvam, Research Head, Lincoln University, Malaysia has delivered a Guest Lecture on opportunities of Civil Engineering in Abroad on 29.08.2022



Er. Harini, CADD Technologies, Erode has conducted a One Day Basic Training on Software's used in Civil Engineering on 01.09.2022



Dr A Gopalan, Professor, Department of Civil Engineering, Erode Sengunthar Engineering College has conducted a Out of Box Thinking Contest on behalf of Concrete Day on 07.09.2022

Dr. N. Sridhar, Associate Professor and Head, Department of Agricultural Engineering, Hindusthan College of Engineering and Technology, Coimbatore has delivered a Guest Lecture on Green Heros on 12.09.2022



Er V Yoganandh M.E., Structural Consultant, Coimbatore has delivered a Guest Lecture on 20.10.2022 in the National Level Technical Symposium.

Er P Sathiya Narayanan M.E., Managing Director, Hexascons, Salem has delivered a Guest Lecture on nanotechnology in construction & carbon Nano tube on 03.11.2022



Mr S Rajkumar M.E., SRP Construction, Tiruppur has delivered a Guest Lecture on Steel structures on 09.11.2022



Dr S Christian Johnson, Academic Director, Erode Sengunthar Engineering College has delivered a Guest Lecture on Awareness on New Education Policy, Industry- 4









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STUDENTS PARTICIPATION IN WEBINAR / SEMINAR / WORKSHOP

- S Dinesh, R Manivel, G Kathiresan, D Suresh, P Saranya, S Nilesh III Civil Engineering has participated in Webinar on latest advancement in geo-enviro structural confluence at Mahendra Engineering College, Namakkal on 04.06.2022
- P Balagoutham, R Ragul II Civil Engineering has participated in Webinar on Webinar on Special Types of Concrete and Reinforcements in Common Practice at Annapoorna Engineering College, Salem on 27.07.2022
- P Balagoutham, S Srinivasan, M Harish Prasath II Civil Engineering has participated in Webinar on Workshop on Modern Steel Structures in Civil Engineering at PSN College of Engineering & Technology on 27.08.2022
- P Saranya, S Gunaseelan, S Dinesh III Civil Engineering has participated in Webinar on Workshop on Modern Steel Structures in Civil Engineering at PSN College of Engineering & Technology on 27.08.2022
- P Balagoutham II Civil Engineering has participated in Webinar on Ozone Day'2022 at KL University on 16.09.2022
- P Balagoutham II Civil Engineering has participated in Workshop on Quality Investing and Stock Market at AU TVS Centre for Quality Management Students councilon 22.09.2022
- C Sanjay, M Prasanth, M Robin IV Civil Engineering has participated in Seminar on "Concrete Technology" at K S Rangasamy College of Technology on 18.10.2022
- S Gunaseelan, G Kathiresan, D Suresh, S Vasantharajan, P Vijayabharathi III Civil Engineering has participated in Seminar on "Concrete Technology" at K S Rangasamy College of Technology on 18.10.2022
- S M Shriharini, AnukumariII Civil Engineering has participated in Seminar on "Concrete Technology" at K S Rangasamy College of Technology on 18.10.2022
- P Ashokpandiyan, Thiyam Lanchenba Luwang IV Civil Engineering has participated in Seminar on "Structural Health Monitoring" at P.A. College of Engineering and Technology on 19.10.2022
- S Gokul, M Nanthakumar, R Selvam III Civil Engineering has participated in Seminar on "Structural Health Monitoring" at P.A. College of Engineering and Technology on 19.10.2022

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- M Dhanush II Civil Engineering has participated in Seminar on "Structural Health Monitoring" at P.A. College of Engineering and Technology on 19.10.2022
- R Sivasundar, T Palanikumar, P Gokul Sarathi II Civil Engineering has participated in Workshop on essentials of drone surveying at Kongunadu College of Engineering and Technology, Trichy on 31.10.2022
- S Gokul III Civil Engineering has participated workshop on essentials of drone surveying at Kongunadu College of Engineering and Technology, Trichy on 31.10.2022
- M Chandravarnan IV Civil Engineering has participated in Seminar on "Problem Identification & Solving using GIS through field visit" at Jerusalem College of Engineering on 02.11.2022
- Ankit Kumar III Civil Engineering has participated in Seminar on "Problem Identification & Solving using GIS through field visit" at Jerusalem College of Engineering on 02.11.2022
- T Palani Kumar, R Sivasundar, A Veeramani II Civil Engineering has participated in Seminar on "Problem Identification & Solving using GIS through field visit" at Jerusalem College of Engineering on 02.11.2022
- S Srinivasan, R Ragul II Civil Engineering has participated in Workshop on "LIDAR Technology for civil engineering applications" at Vellore Institute of Technology on 04.11.2022
- S Sabarish, V Sibiraj, M Nanthakumar III Civil Engineering has participated in Workshop on "LIDAR Technology for civil engineering applications" at Vellore Institute of Technology on 04.11.2022
- S Mohamed Rashith IV Civil Engineering has participated in Workshop on "LIDAR Technology for civil engineering applications" at Vellore Institute of Technology on 04.11.2022
- P Balagoutham, P Manibharathi II Civil Engineering has participated in Seminar on "Entrepreneurship Skills for Engineers" at S.A Engineering College on 24.11.2022
- S Vasantharajan, R Selvam, S Dinesh III Civil Engineering has participated in Seminar on "Entrepreneurship Skills for Engineers" at S.A Engineering College on 24.11.2022
- B Ganeshkumar, G Kishor IV Civil Engineering has participated in Seminar on "Entrepreneurship Skills for Engineers" at Roever Engineering College on 24.11.2022
- S Gunaseelan, R Manivel III Civil Engineering has participated in Seminar on "Entrepreneurship Skills for Engineers" at Roever Engineering College on 24.11.2022
- Anish Kumar, MD Samim, Chhotu Kumar II Civil Engineering has participated in Seminar on "Entrepreneurship Skills for Engineers" at Roever Engineering College on 24.11.2022

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STUDENTS PARTICIPATION IN TECHNICAL EVENTS

- S Nilesh, P Saranya, R Subramani, S Dinesh III Civil Engineering has participated n Quiz on IS456 -2000 at KPR Institute of Engineering and Technology, Coimbatore on 27.08.2022
- S Nilesh, S Dinesh III Civil Engineering has participated n Quiz at Erode Sengunthar Engineering College on 15.09.2022
- Ankit Kumar, Danish Kumar III Civil Engineering has participated in Quiz at St. Joshep College of Engineering on 22.09.2022
- R Surendhar Kumar II Civil Engineering has participated in CAD at St. Joshep College of Engineering on 22.09.2022
- R Selvam, S Vasanthrajan III Civil Engineering has participated in Smart Survey Contest at SRM Institute of Science and Technology on 22.09.2022
- V Mythili, S M Shri Harini, T Palani Kumar II Civil Engineering has participated in Technical Quiz at SRM Institute of Science and Technology on 22.09.2022
- D Mithun III Civil Engineering has participated in CADD at SRM Institute of Science and Technology on 22.09.2022
- D Mithun, P Thirupathi, R Manivel III Civil Engineering has participated in Bridge Modelling at SRM Institute of Science and Technology on 22.09.2022



- V Sibiraj III Civil Engineering has participated in Quiz at Anjali Ammal Mahalingam Engineering College on 08.10.2022
- M Dhanush II Civil Engineering has participated in Quiz at Anjali Ammal Mahalingam Engineering College on 08.10.2022
- S Dinesh, S Gunaseelan III Civil Engineering has participated in Smart Surveyor at Sasuri College of Engineering on 05.11.2022
- S Rajabharath II Civil Engineering has participated in Smart Surveyor at Sasuri College of Engineerigon 05.11.2022
- M Prasanth, S Gnanachandiran IV Civil Engineering has participated in Technical Quiz at Sasuri College of Engineering on 05.11.2022

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STUDENTS PARTICIPATION IN TECHNICAL EVENTS

- V Sibiraj, R Subramani III Civil Engineeringhas participated in CADD- IT at Sasuri College of Engineering on 05.11.2022
- P Balagoutham, V Mythili II Civil Engineering has participated in Online Quiz on Constitution of India at Government of India, Ministry of Parliamentary Affairs on 27.11.2022
- D Suresh III Civil Engineering has participated in Online Quiz on Constitution of India at Government of India, Ministry of Parliamentary Affairs on 27.11.2022



STUDENTS PRESENTATION DETAILS

- R Ragul of II year Civil Engineering has presented a paper entitled "Paper presentation on thermocrete panel" at Kongunadu College of Engineering and Technology, Trichy on 17.09.2022
- S Akash, R Hariharan, of IV year Civil Engineering has presented a Project at St. Joshep College of Engineering on 22.09.2022
- M Robin, M Santhosh of IV year Civil Engineering has presented a paper at St. Joshep College of Engineering on 22.09.2022
- P Kanagaraj of IV year Civil Engineering has presented a paper at SRM Institute of Science and Technology on 22.09.2022



- V Mythili of II year Civil Engineering has presented a paper at SRM Institute of Science and Technology on 22.09.2022
- R Selvam, S Vasantharajan of III year Civil Engineering has presented a paper at SRM Institute of Science and Technology on 22.09.2022
- P Balagoutham, A Veeramani of II year Civil Engineering has participated in the Project Idea contest at SRM Institute of Science and Technology on 22.09.2022
- T Sanjay, M R Dhanabalaji, M Dhanush of II year Civil Engineering has presented a paper at Anjali Ammal Mahalingam Engineering College on 08.10.2022
- M Harishprasanth of II year Civil Engineering has participated in Poster Presentation at Anjali Ammal Mahalingam Engineering College on 08.10.2022
- T Rishi, K Vishnu of IV year Civil Engineering has participated in Poster Presentation at Anjali Ammal Mahalingam Engineering College on 08.10.2022
- C Sanjay, Thiyam Lanchenba Luwang of IV year Civil Engineering has presented a paper at Sasuri College of Engineering on 05.11.2022
- S Dinesh of III year Civil Engineering has presented a paper at Sasuri College of Engineering on 05.11.2022
- S Dinesh, S Gunaseelan of III year Civil Engineering has participated in Poster Presentation at Sasuri College of Engineering on 05.11.2022

STUDENTS PARTICIPATION IN INPLANT TRAINING

- S Akash, P Ashokpandian, M S Chandravarnan, P Kanagaraj, G R Kishore of IV year Civil Engineering has undergone four weeks inplant training at MS Planners and builders during 06.07.2022 to 03.08.2022
- R Dhanush Kumar, S Mohammed Rashith, A Sunil Kumar, K Vijay of IV year Civil Engineering has undergone four weeks inplant training at Sri Murugan Constructions Civil and Structural Engineer during 06.07.2022 to 03.08.2022
- B Ganesh Kumar, M Prasanth, T Rishi, C Sanjay, K Vishnu of IV year Civil Engineering has undergone four weeks inplant training at RK Construction during 06.07.2022 to 03.08.2022
- S Gnanachandiran, R Hariharan, M Robin, M Santhosh of IV year Civil Engineering has undergone four weeks inplant training at GODWIN Construction Civil consultant contractors during 06.07.2022 to 03.08.2022
- Thiyam Lanchenba Luwang of IV year Civil Engineering has undergone four weeks inplant training at Rural Engineering Department, Government of Manipur 06.07.2022 to 03.08.2022







INDUSTRIAL VISIT











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STUDENTS PARTICIPATION EXTRA CURRICULAR ACTIVITIES

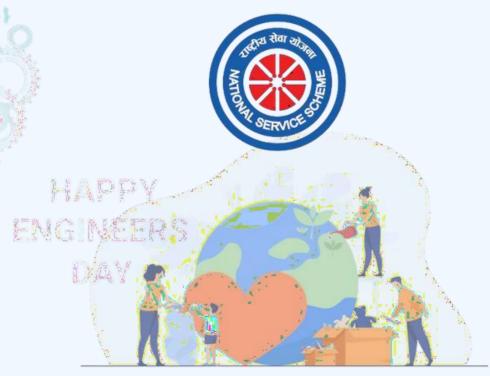
• R Manivel and S Tamizhanban of III Year Civil Engineering has won First Place in Kabaddi Tournament organised by Angel College of Engineering and Technology, Tiruppur.

STUDENT PARTICIPATION NSS ACTIVITIES

• III year and IV year Civil Engineering students has created the awareness by rally among the fellow beings on WORLD ENVIRONMENT DAY 2022.







FACULTY PUBLICATIONS

 Mr K.Vallarasu has published a paper titled "A facile green approach of Fe2O3, Fe2O3 @Ag, Fe2O3 @ AC, and Fe2O3 @Ag, @AC, NPs synthesized via cocos nucifera L for waste water treatment applications" in Results in Chemistry.



- Dr S.Arulmozhi, Dr A.Gopalan has published a paper titled " Correlation, Regression Analysis, and Spatial Distribution Mapping of WQI for an Urban Lake in Noyyal River Basin in the Textile Capital of India" in Advances in Materials Science and Engineering.
- Mr J.Arun Prasad, Dr S.Arulmozhi, Mr M.Balaji, Dr A.Gopalan, has publised a paper titled "Pharmaceutical Effluent Treatment Using Multi-effect Evaporator Process" in Advances in Materials Science and Engineering.
- Dr S.Arulmozhi has published a paper titled "Treatment of Tanning Effluent Using Seaweeds and Reduction of Environmental Contamination" in Results in Chemistry.
- Dr A.Gopalan has published a paper titled "Behaviour of concrete when coarse aggregate is partially replaced with aluminum caps and fine aggregate with quarry dust"



FACULTY PATENT PUBLICATIONS

- Dr.A.Gopalan has filed a patent on the title Strength and resilience features of recycled aggregate concrete with admixtures.
- Dr.K.M.Gopalakrishnan has filed a patent on the title Multi-agent Topology for an Energy-efficient Building structure with Artificial intelligent
- Mr M.Dhivakar karthick has filed a patent Safety management system for construction site workers.
- Dr.S.Arulmozhi has filed a patent Machine learning based approach to predict the importance of bioenergy systems that are based on anaerobic digestion and fermentation techniques
- Mr J Arun Prasad has filed a patent Earthquake Early Prediction and warning system in smart cities based on deep learning and IOT

FACULTY PARTICIPATION

- Dr A. Gopalan has completed NPTEL Online FDP Course on Foundation Engineering (12 weeks course) organized by NPTEL, MoE, Govt.of India from June-Oct 2022
- Dr A. Gopalan has completed NPTEL Online FDP Course on Development and Applications of Special Concretes (8 weeks course) organized by NPTEL, MoE, Govt.of India from June-Oct 2022
- Mr.D. Krishna, Mr. M. Balaji, Mr.J. Arun Prasad, Ms.B.Anukarthika Dr A. Gopalan has attended Online One week STTP on 'Advances in Geotechnical Engineering' by Dr. Rajendra Gode Institute of Technology and Research, Amravati from 20.06.2022 to 24.06.2022
- Mr. M. Dhivakar Karthick has attended International e Conference on "Innovation and Emerging Trends in Engineering, Science and Management" organized by Shri Ambabai Talim Sansths's Sanjay Bhokare Group of Institutes, Miraj from 24.06.2022 to 25.06.2022
- Dr A. Gopalan has attended Five Day FDP on 'Current trends and research in Civil Engineering'organized by MVSR Engineering College, Hyderabad from 26.06.2022 to 30.06.2022
- Dr S.Arulmozhi has completed the online NPTEL FPD on Wastewater Treatment and Recycling during July - October 2022.
- Mr.R.Krishnasamyhas completed the online NPTEL FPD on Design of Reinforced Concrete Structures during July October 2022.
- Dr S.Arulmozhi has completed the online NPTEL FPD on Integrated Waste Management for a Smart City during July October 2022.
- Mr. M Dhivakar Karthick has attended Webinar on "Modern steel structures in civil engineering" by PSN College of Engineering and Technology, Tirunelvali on 27.08.2022
- Mr G.Nithiyaprakash, Ms K.Mohanapriya, Mr K.Vallarasu has attended the seminar on Modern steel structures in Civil Engineering organized by PSN College of Engineering and Technology on 27.08.2022



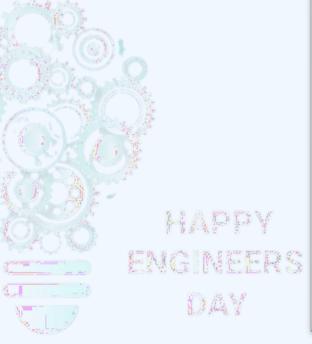


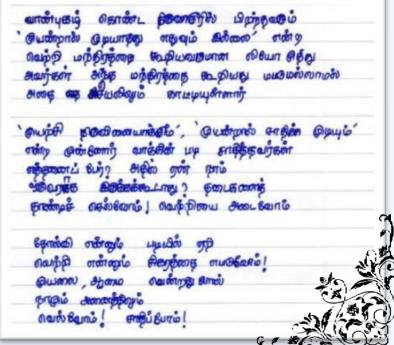
- Dr K.M.Gopalakrishnan, Dr S.Christian Johnson, Dr P.Balamurugan, Dr N.Sekaran, Mr P.Selvakumar, Ms M.Poovizhiselvi, Mr J.Arun Prasad, Mr K.Vallarasu has attended the Five days FDP on ICT Tools for Teaching Learning Pedagogy organized by GMRIT, Rajam, Andhra Pradesh & Sri Sairam Institute of Technology, Chennai during 23.08.2022 to 27.08.2022
- Dr A. Gopalan has attended L&T Edu Tech Naan Mudhalvan Training of Trainers Program organized by PSG College of Technology, Coimbatore from 19.09.2022 to 22.09.2022
- Mr. M Dhivakar Karthick has attended One Day Workshop on "Building Information Modeling" by L&T Edutech, Coimbatorefrom 19.09.2022 to 22.09.2022
- Mr. M Dhivakar Karthick, Dr S.Arulmozhi, Mr G.Nithiyaprakash, Ms C.Rohini, Ms R.Abiramy, Mr K.Vallarasu has attended a Six days FDP on Smart Waste Management organized by SRM Institute of Science and Technology during 12.09.2022 to 17.09.2022
- Mr. M Dhivakar Karthick has attended Webinar on "National Intellectual Property Awareness Mission" by Intellectual Property Office, India on 19.09.2022
- Mr. M Dhivakar Karthick has attended Second International Conference on "Advances in Engineering and Technology (ICAET-2022)" - Analysis of an Isolated footing taking into account soil structure interactions by RSP Conference Hub, Coimbatore, India from 29.09.2022 to 30.09.2022
- Mr K.Vallarasu has attended the seven days International Training Program on Drone Marathon organised by DFSRDA- NAHEP, VNMKV, Parbhani & Just Agriculture during 20.11.2022 to 26.11.2022
- Mr S.Boobathiraja, Mr D.Krishna, Ms K.Mohanapriya, Mr M.Balaji, Ms B.Anukarthika, Mr. M Dhivakar Karthick has attended a Five days FDP on Sustainable development with innovations in civil engineering organized by Velammal College of Engineering and Technology during 21.11.2022 to 25.11.2022
- Mr. M Dhivakar Karthick has attended International Multidisciplinary Conference on "Recent innovations in Science, Engineering, Management and Humanities" by J.S. University, Shikohabad from 22.11.2022 to 23.11.2022
- Dr P.Balamurugan, Mr. M Dhivakar Karthick has attended the webinar on Performance based Concrete Floors organized by Ultra Tech Cement Pvt, Ltd on 26.11.2022
- Mr K.Vallarasu has attended the Symposium on Soils: Where Food begins organized by ICAR on 30.11.2022

STUDENTS POEMS









STUDENTS DRAWINGS









ART BY BALAGOUTHAM P (II-CIVIL)