



THIAGARAJAR POLYTECHNIC COLLEGE ALAGAPPANAGAR

[APPROVED BY ALL INDIA COUNCIL FOR TECHNICAL EDUCATION]
(UNDER STATE BOARD OF TECHNICAL EDUCATION KERALA & DIRECTOR OF TECHNICAL
EDUCATION KERALA) PH: 04802751346

DEPARTMENT OF CIVIL ENGINEERING

CIVIL INSIGHTS

2024-25

Q www.thiagarajarpolytechnic.org

VOICE OF PRINCIPAL



It gives me immense pleasure to extend my greetings to the readers of CIVIL INSIGHTS, the newsletter of our Civil Engineering Department. This publication stands as a testament to the collective efforts, dedication, and creativity of our faculty members and students.

The past academic year has been marked by noteworthy achievements. Our department successfully organized technical workshops, expert lectures, industrial visits, and community outreach programs that have enriched the knowledge and skills of our students. These initiatives have not only strengthened academic learning but also nurtured practical exposure, leadership qualities, and teamwork. Our recent examination results have been highly encouraging, reflecting the commitment of our faculty and the perseverance of our students. It also highlights the department's strong academic foundation and student-centric approach to learning.

Looking ahead, the department has charted an ambitious roadmap for the coming year. Plans are in place to host seminars, skill-development programs, and collaborative projects with industry partners.

I congratulate the editorial team and all contributors for bringing out this edition of CIVIL INSIGHTS. I am confident that this platform will continue to inspire our students to excel in academics and professional pursuits.

VISION

- To attain the high level skill required for providing apt and sustainable civil infrastructure which brings out our country, keeping pace with the global trend.

MISSION

- To cast the students incorporating with the strong fundamental engineering concepts, and techniques by providing an effective ambience of teaching and the self-learning.
- To prepare students for employability in the construction and allied industries by promoting, organizing and enhancing the team spirit and leadership through the works assigned to them.
- To inculcate the moral values and ethics in the minds of students required for professional service.



VOICE OF HOD



It is with immense pride and pleasure that I share a few words in this edition of our departmental newsletter. The Civil Engineering Department has always been a center of excellence, fostering innovation, academic rigor, and a strong sense of social responsibility. This newsletter serves as a window into the dynamic activities, achievements, and progress made by our students, faculty, and staff. I sincerely appreciate the efforts of the editorial team and everyone who contributed to this publication. Let us continue to work together with passion and purpose, building a better tomorrow.



WORKSHOP ON

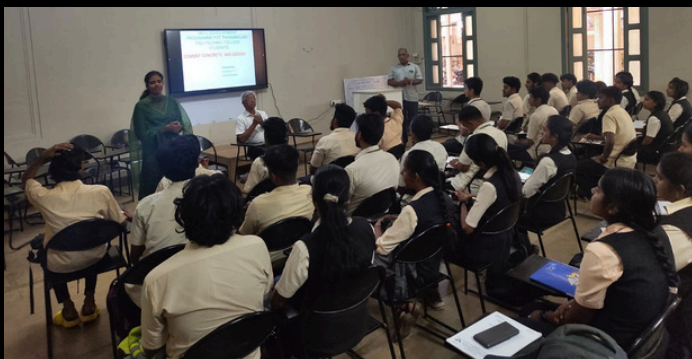
MODERNISING SURVEY PRACTICES



The Department of Civil Engineering at Thiagarajar Polytechnic College, Alagappanagar conducted a workshop on Modernising Surveying Practices on 31st December 2024 and 1st January 2025. The workshop was designed to familiarize students with the latest advancements in surveying technology, provide hands-on training in the use of Drone Surveys, GPS Surveys, and Total Station, bridge the gap between academic learning and field practices. The sessions were conducted by Sri. Prasad P. S., an experienced professional from Global Hi Tech Survey, who provided valuable insights and practical demonstrations of the latest surveying instruments. Joint Director of Technical Education department Dr. Solomon P A inaugurated the workshop. College chairman Rev. Fr. Jose konikkara delivered the presidential address. Principal Sri. Sabu N J welcomed all to the meeting. Secretary Fr. Jojo Edathiruthy, Mr. Sebi N P (HOD, Electrical), Mr. Cinto C J (HOD Mechanical) given felicitation speech. The workshop was efficiently coordinated by Dr. Rinku Varghese, faculty of the Civil Engineering Department. She played a key role in organizing the sessions, ensuring student participation, and maintaining smooth conduct throughout the event. The workshop was attended by 68 students from the various Civil Engineering Colleges. It offered an excellent platform for students to gain technical knowledge and hands-on experience in modern surveying methods. The Department of Civil Engineering looks forward to organizing similar workshops in the future to further enhance student learning and industry readiness.

HAND ON WORKSHOP CONCRETE MIX DESIGN

The Department of Civil Engineering at Thiagarajar Polytechnic College, Alagappanagar organized a Hands-on Workshop on Concrete Mix Design on December 10, 2024, for the benefit of diploma students pursuing Civil Engineering in Semester 3 and Semester 5. The workshop began at 9:30 AM. The resource person for the workshop was Mr. Sunny C P, Assistant Professor at Civil Sahrdya College of Engineering, Kodakara, and Retired HOD (Civil) of Thiagarajar Polytechnic College.



ABOUT OUR DEPARTMENT

The Civil Engineering Department of Thiagarajar Polytechnic College, Alagappanagar, is one of the pioneering departments in the institution, committed to producing skilled, competent, and industry-ready civil engineering professionals. Established with the objective of providing quality technical education, the department has been consistently working towards excellence in academics, innovation, and practical training. The Civil Engineering Department is equipped with state-of-the-art laboratories and learning resources. The department has a team of highly qualified and experienced faculty members who bring in expertise from both academia and industry. They are dedicated to providing personalized guidance to students and ensuring effective knowledge transfer.

INAUGURATION CIVIL ENGINEERING ASSOCIATION

Inauguration of civil engineering association was conducted on September 5 and First year students was introduced to association



TRIBUTE TOWARDS



Our students Manikandan, Athul Krishna P A, Sanjay and have given face drawings of principal Sabu N J and office staff Mr. Paul to them as farewell gifts.

FEDERAL COCHIN SPICE COST MARATHON



Alan Sholy a student of CS4 from our department, successfully completed the Federal Cochin Spice Coast Full Marathon (42.195 km) held on October 27, 2024. The marathon was officially flagged off by cricket legend Sachin Tendulkar, adding great prestige to the event. He completed the full marathon with an impressive timing of 5 hours and 30 minutes.

CGPA, SGPA TOPPERS NOVEMBER 2024 RESULTS

SGPA TOPPERS 2024 NOVEMBER RESULT CIVIL DEPARTMENT

SEM 1

ANAGHA DASAN K
(9.44)REMYA RAJAN
(9.37)AISWARYA K. S
(9.15)ABHINAV O V
(9.07)NIVEDYA E PRADEEP
(9.02)ATHULYA SURESH
(8.53)AYSHA N.F
(8.76)SREELAKSHMI R
(8.9)ALBIN SEBAN
(8.75)NANDANA E M
(8.75)AMRUTHA T R
(8.63)SREEHADRA T A
(8.41)HAYA SHIHAB K S
(8.65)PAVITHRA A P
(8.47)SHARLET J ARICATT
(8.42)ALAN SHOLY
(8.02)HARIKRISHNAN K S
(8.02)

SEM 3

SEM 5

MARIYA V R
(9.68)AMRITHA C J
(9.61)DEVANANDHA BABU
(9.44)ABRAHAM A T
(9.32)ABIYA K T
(9.15)ADHIL K S
(9.00)AJITH V S
(8.90)APARNA PANKAJAKSHAN
(8.85)AKHIL JOBY
(8.73)DEVIKA T A
(8.73)HONEYMOL C H
(8.73)DHILRUBA P A
(8.66)SANIYA K S
(8.66)ABISHEK C R
(8.66)JASMINE M J
(8.59)MOKSHA T M
(8.59)AADHIL ASHRAF
(8.51)SNEHA RAJU
(8.46)EMELYN LAWRENCE
(8.46)AKSHAY P A
(8.41)ANTHIMA JANGID
(8.32)ABISHEK K A
(8.29)DILJITH V DINESH
(8.29)VAISHNAV K S
(8.22)

CGPA, SGPA TOPPERS APRIL 2025 RESULTS

SEMESTER 2

April 2025 Diploma Examination Results - Semester 2 Toppers

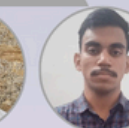
Congratulations!

REMYA RAJAN
9.73ANAGHA DASAN K
9.38AMRUTHA T R
8.38ATHULYA SURESH
8.29ATHULKRISHNA K S
8.06

SEMESTER 4

April 2025 Diploma Examination Results - Semester 4 Toppers

Congratulations!

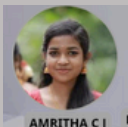
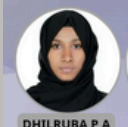
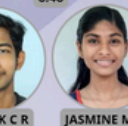
AISWARYA K S
9.78SREELAKSHMI R
9.57SHARLET J ARICATT
9.41ALBIN SEBAN
9.35ABHINAV O V
9.14ALAN SHOLY
9.14PAVITHRA A P
9.14NIVEDYA E PRADEEP
8.92HARIKRISHNA K S
8.89HAYA SHIHAB K S
8.76NANDHANA E M
8.46POOJA JAGID
8.16

SEMESTER 6

April 2025 Diploma Examination Results

Overall CGPA Toppers (2022-25 Batch)

Congratulations!

AMRITHA C J
9.38DEVANANDHA BABU
9.33ABRAHAM A T
9.23MARIYA V R
9.23HONEYMOL C H
9.12DEVIKA T A
9.11MOKSHA T M
9.07AKHIL JOBY
9ABIYA K T
8.86APARNA PANKAJAKSHAN
8.62DHILRUBA P A
8.52ABISHEK K A
8.48AJITH V S
8.37ADHIL K S
8.3AKSHAY P A
8.3SNEHA RAJU
8.28DILJITH V DINESH
8.27ABISHEK C R
8.22JASMINE M J
8.21AADHIL ASHRAF
8.2SANIYA K S
8.2MUZAMMIL JALAL P J
8.07GEETHU M G
8.04

EXPO

MINOR PROJECT EXPO



Our CS4 students showcased their minor projects to students and faculty from other departments at the Minor Project Expo conducted on 19/03/25. The Civil Engineering Students' Minor Project Expo was an inspiring platform for showcasing the creativity, technical skills, and problem-solving abilities of budding engineers. Students presented a wide range of innovative projects addressing real-world challenges in areas such as sustainable construction, structural design, water resource management, and transportation engineering. The expo provided an opportunity for participants to demonstrate their knowledge of engineering concepts, teamwork, and practical application of classroom learning. Faculty members, industry experts, and peers interacted with the teams, offering valuable feedback and guidance. The event not only encouraged innovation but also boosted the confidence of students, preparing them for larger professional and academic pursuits.

FAREWELL FUNCTION

The Civil Engineering Association of our department organized a farewell function to honor our retiring Principal, Mr. Sabu N. J., and Mr. Paul, along with the final-year Civil Engineering students. The event was a heartfelt occasion to express our gratitude and best wishes to the retiring staff for a joyful and fulfilling retirement journey, and to wish our final-year

DISTRICT LEVEL
ELOCUATION COMPETITION

Congratulations to Anagha Dasan of CS2 for receiving a certificate of participation in the district-level elocution competition held at the Collector's Chamber. Her active involvement in this prestigious event is a proud moment for our department.



REPUBLIC DAY PARADE



Our department students, Alan Sholy and Aljo Anto, participated in the Republic Day parade with the college NCC unit and secured first position among all the colleges. The parade competition was organized by the Thrissur Corporation and held at Thrissur Round.

SITE VISIT
AMBALLUR GRADE SEPERATOR

Our department Students of CS4 visited the construction of Amballur grand seperator and understood the theory and methodology of the construction of the work.

TECHNICAL TALK STARTUP

A technical talk on startups was conducted on 24th October 2024 at Thiagarajar Polytechnic College, Alagappanagar. The event commenced with an inaugural session. The session began with a prayer, followed by a welcome address delivered by Ms. Cino Francis, Head of the Civil Engineering Department. Her speech set a positive tone, emphasizing the importance of entrepreneurial thinking and innovation among students. The main highlight of the program was the technical talk conducted by Ms. Ginu Francis, Technical Head at Altivate, Ernakulam. She delivered an insightful session covering key aspects of launching and sustaining startups, encouraging students to explore entrepreneurial avenues and modern business strategies. The session concluded with a vote of thanks by Dr. Rinku Varghese, Lecturer in Civil Engineering, expressing gratitude to the speaker, participants, and organizing team for making the event successful. This event proved to be an inspiring and educational experience, particularly for students aspiring to build careers in entrepreneurship and technology.

WORKSHOP

3D MODELING & VISUALISATION

The Department of Civil Engineering at Thiagarajar Polytechnic College, Alagappanagar, successfully organized a one-week workshop on 3D Modeling and Visualisation from 2/12/24 to 6/12/2024. The program was designed to enhance the creative and technical skills of Semester 5 Civil Engineering students, equipping them with advanced visualization techniques using modern design software. The program was co-ordinated by Jaison N L & Libin chemmannoor Lecturer, Department of Civil Engineering, encouraged the students to explore and adopt technology-driven design approaches as part of their professional development.



WEBINAR QUALITY CONTROL & PRINCIPLES OF SUPERVISION

A webinar on "Quality Control and Principles of Supervision" was successfully conducted on 07th January 2025 at Thiagarajar Polytechnic College, Alagappanagar, Thrissur, organized by the Department of Civil Engineering. The event aimed to enhance the knowledge of students on the significance of quality control and effective supervision in civil engineering projects. The technical session was led by Mr. Jaison N L, Lecturer in Civil Engineering, who delivered a detailed and insightful lecture. He explained key concepts of quality control measures, testing protocols, and the role of supervision in ensuring construction quality and safety. His presentation included real-world examples and current best practices from the industry, which added substantial value to the discussion. 56 students participated in the webinar.

PLACEMENT



Our Department students, Bhajan V. G. and Aparna Pankajakshan, have been successfully placed in Aarbee Structures Pvt. Ltd. through campus recruitment. They have secured positions with an annual package of ₹2 lakh. We extend our heartfelt congratulations to both students and wish them continued success in their professional journey."

BIM FOR FUTURE

The seminar titled "BIM for Future" was successfully conducted on 31st January 2025. It was organized by Thiagarajar Polytechnic College in collaboration with CADD International and held at the CADD International premises in Thrissur. The keynote speaker, Mr. Ashik Timothy, a seasoned expert from CADD International, elaborated on the evolving role of BIM in transforming the construction industry. The session covered vital aspects of BIM including its integration into the planning, design, and project management phases of infrastructure development.



SEMINAR PRESENTATION AND COMMUNICATION SKILLS

The Civil Engineering Department of Thiagarajar Polytechnic College organized a seminar on Presentation and Communication Skills on 10th June 2024. The event took place at the college smart class room in Alagappanagar, Thrissur. The session commenced with a warm welcome address by Ms. Cino Francis, Head of the Civil Engineering Department. She emphasized the importance of communication and presentation skills for engineering professionals and introduced the objectives of the seminar. The key session was conducted by Dr. Rinku Varghese, Lecturer in Civil Engineering, who engaged the participants with practical insights and techniques to enhance communication abilities and effective presentation delivery. The class covered essential aspects such as body language, clarity in speech, visual aid usage, and audience engagement strategies. The seminar concluded with a vote of thanks delivered by Ms. Teena Johnson, Lecturer in Civil Engineering, who acknowledged the efforts of all organizers, participants, and the resource person for making the seminar a success. The seminar was informative and interactive, contributing significantly to the professional development of the participants.

TECH FEST TREASURE HUNT



Our department students Abhinav Hari, Aghosh T R, Aparna Pankajakshan, Anjana A S won prizes in the treasure hunt competition conducted as a part of tech fest CONSTRUCTA 2.0 2K25 at Sreerama government polytechnic college, Thriprayar on 29/02/2025.

CIVIL QUIZ

Our department students Devika T A & Devanandha Babu CS6 won First prize in the CIVIL QUIZ competition conducted as a part of tech fest CONSTRUCTA 2K25 at Sreerama government polytechnic college, Triprayar.

CIVIL QUIZ

Our department students Abhinav O V, Albin Seban, Aiswarya K S, Sreelakshmi R won Second prize in the CIVIL QUIZ competition conducted as a part of tech fest CITADEL at Government polytechnic college, Chelakkara.

SEMINAR ON KERALA BUILDING RULES



A seminar on Kerala Building Rules was successfully conducted on 14th March 2025 at Thiagarajar Polytechnic College, Alagappanagar, Thrissur. The event took place in the Smart Class and was organized by the Civil Engineering Department.

The session began with a warm welcome address by Ms. Cino Francis, Head of the Civil Engineering Department. Her speech highlighted the relevance of town planning in modern infrastructure development and emphasized the importance of understanding the legal and regulatory aspects outlined in the KMBR.

The main technical session was conducted by Er Sajan Jose, Structural Engineer. He delivered a detailed lecture on various town planning regulations, including zoning, land use, building height norms, and setbacks, and explained how these are governed under the Kerala Municipality Building Rules.

His insightful presentation provided students with valuable knowledge on the practical aspects of urban planning and compliance with legal frameworks in Kerala.

The session concluded with a vote of thanks delivered by Ms. Teena Johnson, Lecturer in Civil Engineering.

PSC ORIENTATION



Our Department of Civil Engineering organized a Public Service Commission (PSC) Orientation Session for second-year students on 31 January 2025 with the objective of guiding aspiring engineers towards rewarding career opportunities in the public sector. The session was facilitated by Mr. Shinto Maliakkal, Assistant Director at the Irrigation Department, who brought with him a wealth of experience and deep insights into government recruitment processes. In his address, Mr. Maliakkal provided a comprehensive overview of the diverse job roles available to civil engineering graduates through the Kerala PSC, as well as other state and national-level competitive examinations. He explained in detail the exam structure, eligibility requirements, syllabus coverage, and effective preparation strategies, underscoring the importance of consistent study habits, time management, and a methodical approach to competitive exams. Special emphasis was placed on opportunities in key departments such as Irrigation, Public Works, Local Self-Government, and Water Resources, along with an outline of their respective functions and responsibilities. The resource person also highlighted the necessity of keeping abreast with current affairs, advancements in engineering practices, and government infrastructure policies. He shared practical guidance on balancing academic studies with exam preparation, while stressing the values of discipline, perseverance, and self-confidence as essential qualities for success. The interactive nature of the session encouraged active student participation, enabling attendees to raise queries, clarify doubts, and seek personalised advice on career planning and exam readiness. The program proved to be highly informative and motivational, equipping students with a clearer understanding of their career prospects and inspiring them to work towards securing prestigious positions in the public sector.

ATHLETICS MEET INTERPOLY ATHLETICS MEET



Several students from civil department participated in interpoly sports and Alan k a got second in interpoly shuttle, ahalansha um got 4x100 second silver 4x400 second silver, Anashwar sebi & athulkrishna got second in interpoly football

INTRODUCTION TO PERMANENT WAY

A technical talk was conducted for Civil Engineering students on 5/2/25 by Mr. John Chiramel, Divisional Engineer, Central Railway, Mumbai. He shared insights on railway infrastructure, construction technologies, and the role of civil engineers in railway projects. The session was informative and gave students valuable exposure to practical aspects of the professional



Activities of Civil Engineering Department for the year 2025-26

Month	Programme	Faculty	Participants
June	Workshop on Project work and report writing	Own Faculty	CS5
July	Faculty development programme	Guest faculty	Civil Faculties
	Technical talk on start up mission	Invited faculty	CS3 & CS5
	Inauguration of Civil Engineering Association activities	Invited faculty	CS1, CS3, CS5
August	Industrial Visit of constructed road (flexible or rigid) for visual inspection	Civil Engg. Association	CS5
	Site visit of railway track	Civil Engg. Association	CS5
September	Engineer's Day - Photography Competition	Civil Engg. Association	Students from TPTC, Alagappanagar
	Tech Fest – Technical and non technical events	Civil Engg. Association	Students of TPTC and other institutions
October	Workshop on Mix Design	Invited faculty	CS3 & CS5
November	Seminar on Town Planning regulations and KMBR	Invited faculty	CS5
December	Workshop on 3D visualisation software practice	Invited Faculty	CS4 & CS6
January	Tech fest Logo competition	Civil Engg. Association	Students from Civil Engg. Dept
	Webinar on Quality Control and principles of supervision	Invited faculty	CS6
	Mock interview for final year students	Civil Engg. Association	CS6
	Industrial Visit to dam site	Civil Engg. Association	CS4
	Industrial Visit to Peechi Water treatment plant & dam site	Civil Engg. Association	CS6
	Tech Fest – Technical and non technical events	Civil Engg. Association	Students of TPTC and other institutions
February	Site visit to Familiarize with local irrigation structures	Civil Engg. Association	CS4
March	Mock test for LET exam	Civil Engg. Association	CS6
	Farewell to final year students	Civil Engg. Association	CS6
	Workshop on How to crack PSC examination	Civil Engg. Association	CS6

SEMINAR ON

KERALA MUNICIPALITY BUILDING RULES

A seminar on Town Planning Regulations and Kerala Municipality Building Rules (KMBR) was successfully conducted on 15th January 2025 at Thiagarajar Polytechnic College, Alagappanagar, Thrissur. The event took place in the Smart Class and was organized by the Civil Engineering The main technical session was conducted by Mr. Pradeep P T, Assistant Town Planner from the Town Planning Department. He delivered a detailed lecture on various town planning regulations, including zoning, land use, building height norms, and setbacks, and explained how these are governed under the Kerala Municipality Building Rules. His insightful presentation provided students with valuable knowledge on the practical aspects of urban planning and compliance with legal frameworks in Kerala. The session concluded with a vote of thanks delivered by Ms. Teena Johnson, Lecturer in Civil Engineering, who expressed gratitude to the speaker, organizers, and participants for making the seminar a successful and enlightening event.

ARTS FEST

INTERPOLY ARTS FEST



NIVEDYA E PRADEEP
INSTRUMENTAL MUSIC (FLUTE) 2ND PRIZE WITH A GRADE
BHARATANATYAM A GRADE



DESHABHAKTHI GANAM
A GRADE



SHIJILA C K
MONOACT A GRADE

Our department students Nivedya E pradeep won 2nd prize in instrumental music (flute) , bhharatanatyam A grade, Deshabhakthi garam A grade, & shijila C k monoact won A grade in interpoly arts festival held at Government polytechnic College, Adoor.



2022-25 BATCH OF CIVIL ENGINEERING