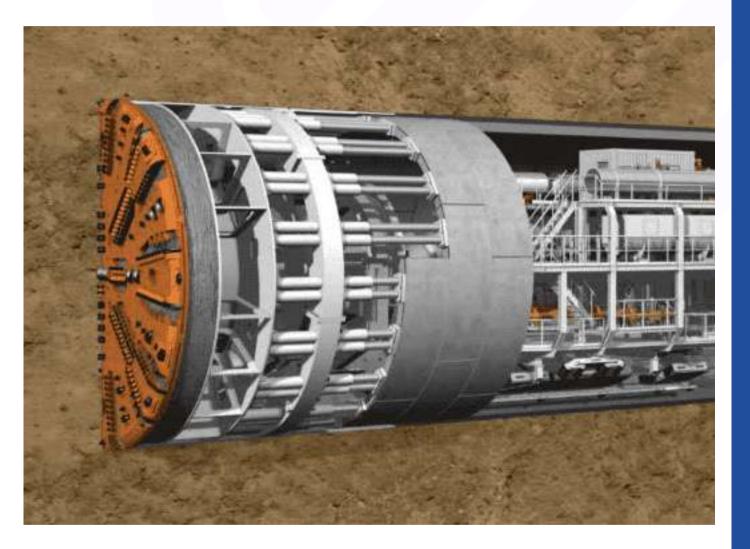


DEPARTMENT OF CIVIL ENGINEERING



CONNECTIONS

NEWSLETTER March '24, Volume 7 Issue 03



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Editorial Board

Dr.R.Kumutha CHIEF EDITOR & HOD/CIVIL

Mr.S.Hariswaran CO-EDITOR & AP/ CIVIL

STUDENT EDITORS

Mr.K.N.Mohammad Salmaan Shariff IV YEAR CIVIL ENGINEERING

Mr.B.Raghavendra III YEAR CIVIL ENGINEERING

Mr.G.Aravintakshan II YEAR CIVIL ENGINEERING

DEPARTMENT VISION AND MISSION

Vision

To become a department of excellence in Civil Engineering education and research producing globally competent civil engineers to serve the industry and society.



Mission

- Providing state-of-the art resources that contribute to an excellent learning environment.
- Imparting necessary skills, cultivating moral and ethical values.
- Establishing regular interaction and collaboration with industries.
- Motivating the students to take up competitive exams and pursue higher education.
- Promoting research and development activities in emerging areas of civil engineering and offering services to society and industry through education, research and consultancy activities.



Dr.R.Sathia, Associate Porfessor organized an Alumni Talk on "**My Experience in the Oil and Gas Industry as Structural Engineer**" delivered by **Ms.S.Sharadha Lakshmi**, (Alumna of 2018-2022 Batch) on 9.03.2024 through online mode. The students and faculties of the department attended the session.



Dr.P.Venkateswara Rao, Professor organized an industry expert lecture on **"Tenders & Project Lifecycle of Water Supply Projects in India"** which was delivered by Mr.M.P. Arun Kumar, Head, Tendering & Contracts, Department of Rural water supply business, L&T, Chennai on 12.03.2024.



A 30 hours Certificate Course on **"Hands on Training on ETABS"** for the Pre final and final year students of Civil Engineering from 14.03.2024 to 21.03.2024 in association with Sarva Sudarsanaa Academy, Chennai. The program was organised by **Dr.R.Kumutha**, **HoD/CVE**, **Ms.Ruby Freya**, **AP/CVE and Dr.R.Sathia**, **ASP/CVE**





Ms.Ruby Freya, Assistant Professor organized a Guest Lecture on "Materials and Finishes in Spatial Design" for the first and second year students of Civil Engineering on 19.03.2024 which was delivered by Ms.R.Kaavya, (Alumna of 2017-2021 Batch), Interior Designer, Archifracts Design Studio, Chennai.



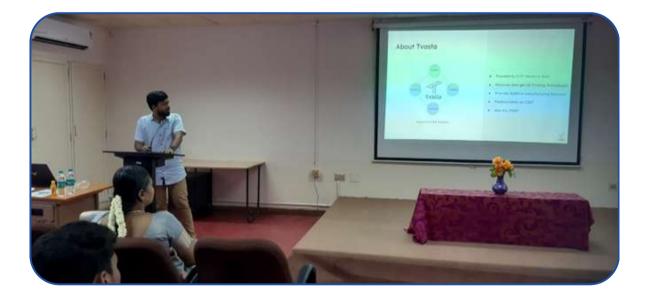
G.Arun and Mr.R.Mathiyazhagan, Assistant Professor organized a **online poster presentation event** on 24.3.2024 to commemorate World Water Day 2024. The students from various department participated in this event.





AWorkshop on "Concrete 3D Printing: Future of Construction Industry" as a part of Two days National level symposium Technoways'24 on 16.04.2024. The session was delivered by the resource person Mr.Amarnath balaji, Business Associate, M/s Tvasta Manufacturing Private Limited, Chennai. The students from various colleges benefitted along with internal participants. The workshop was organised by Dr.R.Kumutha, HoD/CVE and coordinated by Mr.R.Kalaivannan, Assistant Professor.







The Department of Civil Engineering celebrated Women's Day on 05.03.204 by organizing competitions for girl students. Ms.Ruby Freya, Assistant Professor organized "Quilling" and "Jewelry making" contests for the girl students. Ms.U.Amaravathy (IV Year) won First prize, Ms.R.Sumaiya (I Year) won Second prize and Ms.Retheka Shivakumar (IV Year) and Ms.M.Viveka (I Year) won Third prize in Ms.M.Gururaje (II Year) contest. won First Quilling prize. Ms.S.Abinaya (III Year) won Second prize and Ms.S.Prathiba (IV Year) and Ms.A.Harini (III Year) won Third prize in Jewellery making contest.









"Experience SVCE" program was organised on 19.03.2024 in which the students from the various schools visited the campus and got awareness about Civil Engineering program. The working projects were displayed and the working principles of different construction techniques / methodology were explained using the models. At the end of the visit, students got a clear idea about the different streams in Civil Engineering and future opportunities in Government and Private sectors companies.







PARENT TEACHERS MEETING

The Parent Teachers Meeting (PTM) for the students of Civil Engineering held on 23.03.2024. Parents interacted with the Head of the department, faculty advisors and the subject handling faculty members to track their children's performance.







INDUSTRIAL VISIT

Dr. R.Kumutha, Professor & Head & Mr.A.Vijay Vignesh, Assistant Professor arranged the Industrial visit for the first students of Civil Engineering on Post Tension Slab construction work at East Tambaram which was executed by KSV Constructions on 28.03.2024. The students have experienced the quality of shuttering and understand the techniques involved in PT Slab Work. This industrial visit was organized by ICI Chennai Centre in association with Advanced Construction Technologies (ACT).







INDUSTRIAL VISIT

Dr.M.Selvakumar, Associate Professor arranged a **Industrial visit to** "**J.J Brick Industries**", Pannur near Kancheepuram on 08.03.2024 for the first year students of Civil Engineering to learn about the brick manufacturing process. **Dr.P.Venkateswara Rao,** Professor accompanied the students during the visit.







STUDENTS ACHIEVEMENTS

Mr. S. Zaahir Sha from Final year Civil Engineering has cleared the **GATE 2024 Exam** with a score of 465 and bagged All India Rank of 5007.

4ISc Bengaluru	अभियांत्रिकी स्नातक अभिक्षमता परीक्षा २०२४ organising institute: Indian Institute of Science, Bengaluru SCORE CARD				
Name of the Candidate ZAAHIR SHA S				PIZAAHLAS,	
Name of the Parent/Guardian SHEYIN SHA A	1	1 1		ADIO BYZAAHLRSHED	
Registration No.	CE24S4740109	7		CC.	
Test Paper Civil Engineering (CE)				The second second	
Date of Examination	February 4, 20	24		5000260819120012	
GATE Score	465	*Marks out of 100	38.57	matter and	
All India Rank (AIR) in the test paper	5007	Qualifying Marks		a 0.0	
		General	28.3	Zachiesha	
Number of candidates	05060	EWS/OBC-NCL	25.4		
appeared for the test paper	85869	SC/ST/PwD	18.8	*Normalized marks across to sessions of the test paper	
Hundra Sekhar Seelarr Organising Chairperson, GAT			the m equal for th certif	didate is considered qualified if arks secured are greater than or to the qualifying marks mentioned e category, for which a valid catego icate, if applicable, must be produce with this Score Card. This Score Card is valid	

Ms.R.Priyadharshini and **Mr.B.Ragavendra** from Third Year Civil Engineering have secured **First Place** with a cash award of Rs.1000/in the **Poster Presentation event** in the National level Technical Symposium 'ASTHIVARA' organized by SRM Easwari Engineering College, Chennai on 09.03.2024



STUDENTS ACHIEVEMENTS

Mr.N.G.Aravintakshan, from Second Year Civil Engineering secured **Third Position** in the 4x400 metres (**Relay**) in the Anna University Zonal Tournament 2023-2024 held at Sri Venkateswara College of Engineering, Sriperumbudur on 05.03.2024 and 06.03.2024.



Mr.Kishorkkumar Haribaabhu from First Year Civil Engineering secured **first position** in technical event **"REV IT UP"** in Technoways'24 organized by Department of Automobile Engineering, Sri Venkateswara College of Engineering on the 15.03.2024 and 16.03.2024.



Mr.G.Kabilan from First year Civil Engineering has secured **second place** in the **Triple Jump** in the Intramurals Athletics match held at Sri Venkateswara College of Engineering, Sriperumbudur on 18.03.2024.





STUDENTS ACTIVITIES

Mr.S.Lakshman Anand from Second Year Civil Engineering has participated in the annual special camp (NSS) held at Mevalurkuppam village from 26.02.2024 to 03.03.2024 on the theme of **"Youth for Clean India"**

Mr.R.Kavinkumar, Mr.R.Kamaleshwaran, Mr.S.Jithenther Krrish and Mr.V.Sunil kumar from First Year Civil Engineering attended Guest Lecture on "Comprehending and Acquiring Proficiency in Communication Abilities" delivered by Dr.T.Murugavel, Professor & Head, Department of Humanities and Social Sciences which organized by SUKALP Center for Skills and Personality Development, SVCE on 13.03.2024 at Library Seminar Hall, SVCE.

Mr.M.Thendralarasu and Mr.G.Kabilan from First Year Civil Engineering participated in the "**Pirate's Dilemma**" event during Takshashila 2024 organized by Chennai Institute of Technology on 02.03.2024.

Mr.R.Rashik Ahmed, Mr.A.S.Kalicharan, Ms.R.Kaviya, Ms.R.Lomina, Mr.Velan and Mr.K.Gopinath from Third year Civil Engineering have successfully completed an online course "Tekla structure (steel) from scratch (under construction)" through Udemy platform during March 2024.

Ms.R.Priyadarshini and Mr.B.Raghavendra from Third Year Civil Engineering have successfully completed an online course on **"Introduction of Tekla structures"** through Udemy platform during March 2024.



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STUDENTS ACTIVITIES

The Training and Placement Cell, SVCE organized a Mock Placement for the pre final year students of all engineering departments in association with Forum for Economic Studies by Engineers (FORESE) on 17.03.2024 and 24.03.2024. This event includes an online aptitude test, group discussion, and personal interview conducted by Industrial personnel.

The students (Option A & B) from Third year Civil Engineering actively take part in the Mock placement . During the mock placement, students got opportunity to attend the technical interview in the reputed companies like L&T, Caterpillar, Ultratech Cement, CTS, Infosys, Amazon, IBM, TCS, Capgemini, HCL, E&Y, Sutherland, Hogarth Worldwide, Hyundai, Siemens, Hexaware, My Sigma, Tafe Lyd., Wipro, Kyndril, Danfoss, NFN Labs, Standard Chatered, Minda, Pegatron, TVS, Royal Enfield, Hyundai and Mahindra, etc.



ETHNIC DAY CELEBRATION

The Final year students of Civil Engineering celebrated the "Ethnic Day 2024" on 01.03.2024. Ethnic day celebration offered an opportunity for students to embrace and appreciate the beauty of their cultural backgrounds.



FACULTY ACTIVITIES -RESEARCH

Mr.S.Hariswaran, Assistant Professor, Department of Civil Engineering along with the authors from other institutions (K.Raja, V.Sampathkumar, S.Anandaraj, G.Dheeran Amarapathi, and B.Srisaran) published a Book Chapter titled **"Comparative Study on Stabilisation of Bentonite Clay Using Municipal Incinerated Bottom Ash and Fly Ash"** in the Scopus Indexed Springer Book Series "Lecture Notes in Civil Engineering - Recent Advances in Civil Engineering", Volume 398, Dol Number : <u>https://doi.org/10.1007/978-981-99-6229-7</u>

Dr.P.Venkateswara Rao, Professor participated and presented titled "Experimental Investigation on partially a paper replacing the fine aggregate by using Ground Granulated Blast Furnace Slag in cement concrete" through online mode in the second International conference on multidisciplinary research & Innovation (ICMRI) 2024 - jointly organized by Institute of Technology Radhakrishna and Engineering. conference Bhubaneswar. Odisha. India & RSP hub. Coimbatore, Tamil Nadu, India held on 27.03.2024 and 28.03.2024.

Dr.M.Selvakumar, Associate Professor reviewed a manuscript in the Journal of the **Institution of Engineers (India): Series A**



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FACULTY ACTIVITIES

Dr.R.Kumutha, HoD/CVE has been appointed as Programme Assessment Committee (PAC) Member for the Department of Civil Engineering, Saveetha Engineering College and she attended PAC meeting on 2nd March 2024 through online mode.

Dr.R.Kumutha, HoD/CVE has completed an online course on "Artificial Intelligence (AI) applications for Civil Engineer" through Udemy Platform on 28th March 2024 .

SVCE has become as Lifetime Educational Institutional Member with Association of Consulting Civil Engineers (ACCE), India as a during March 2024. Dr.R.Sathia, Associate Professor, Mr.G.Arun and Mr.R.Mathiyazhagan, Assistant Professors have become Life time members in ACCE (India) for which the college has sponsored 50% of the membership amount (Rs.5320/- for each faculty member)

Mr.Kalaivannan, Assistant Professor has become the **Life time Associate Member** in the **"Institution of Engineers India (IEI)**" with the Membership ID AM3121855 for which college has sponsored the full membership amount of Rs,4720/-.

Ms.Ruby Freya, Assistant Professor coordinated the throwball match for the female teaching and non teaching staff members of the college. She also led a team and became winners in the throwball match held on 26.03.2024.

Ms.Ruby Freya, Assistant Professor and **Ms.A.Rubini**, Junior Assistant took part in Badminton for teaching and non teaching staff members of the college for the Sports Day celebration on 26.03.2024.



CEA ACTIVITIES

National level Technical Symposium **Technoways'24** was organized on 15.03.2024 & 16.03.2024.

The Civil Engineering Association (CEA), Department of Civil Engineering organized three technical events "Mudwell Mastery", "Bridge Expertise" and "Eco Struct" along with a workshop titled "Concrete 3D Printing: Future of Construction Industry". The students from SVCE and other colleges took part in the events and won cash prizes with certificates.





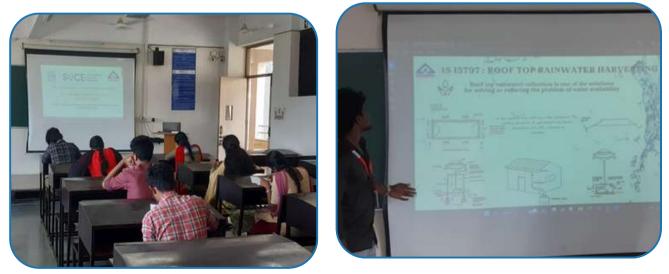


BIS CLUB ACTIVITIES

The Department of Civil Engineering inaugurated the BIS Standard Club (Standards Club - Civil Engineering) on 11.03.2024 with a awareness session on BIS standards to the students of Civil Engineering. The students were enrolled in the BIS club.



The Department of Civil Engineering in association with the BIS Standards Club organized a **"Essay writing competition"** on "IS 4926:2003 - Indian standard for ready-mixed concrete - code of practice" and a **"Poster making competition**" on "IS 15797:2008 - Indian standard roof top rainwater harvesting" on 18.03.2024 for the BIS students members.





ALUMNI TESTIMONIAL

"SVCE gave me a comprehensive experience, be it academic or other club related activity. The teachers were professional and very approachable. Along with the academics, I had a wonderful time volunteering in clubs like Forese and Rotaract."



Mr. Sameer Bharadwaj (2010 - 2014 Batch) Site Engineer, Acciona infrastructure Sydney, Australia.

PROGRAM OUTCOMES (POs)

Students in the Civil Engineering program should, at the time of their graduation, be able to

- Apply the knowledge of mathematics, science, engineering fundamentals and concepts of Civil Engineering to the solution of complex engineering problems. (Engineering knowledge)
- Identify, formulate, review research literature, and analyse complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences. (Problem analysis)
- 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. (Design/Development of Solutions)
- 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 for complex problems. (Conduct Investigations of Complex Problems)
- Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations. (Modern Tool Usage)
- 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. (The Engineer and Society)
- Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. (Environment and Sustainability)
- Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice. **(Ethics)**
- Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings. (Individual and Team Work)
- 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. **(Communication)**
- 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. (Project Management and Finance)
- Recognize the need for, and have the preparation and ability to engage in independent and lifelong learning in the broadest context of technological change. (Life-long Learning)



PROGRAM SPECIFIC OUTCOMES (PSOs)

Students in the Civil Engineering program should, at the time of their graduation, be able to

- Provide solutions for real life problems related to core areas of civil engineering by applying knowledge of mathematics, Basic and Engineering Sciences and by using appropriate engineering tools.
- Plan, analyse, design, execute and manage infrastructure projects considering safety, societal and environmental factors.

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

Civil Engineering graduates during the first few years of graduation will:

- Practice civil engineering in construction industry, government or public sector undertakings by applying ethical principles and following norms of civil engineering practice.
- Pursue higher education and research to hone-up latest civil engineering technologies and to adapt to the changing global scenario.
- Exhibit leadership and team working skills as an entreprenuer with demonstrable attributes to contribute to the societal needs.





About the Department

The Department of Civil Engineering has started functioning from the year 2008 offering B.E Civil Engineering and Ph.D Civil Engineering programs.

The Department has expertise and facilities for undertaking consultancy work on testing of building materials, traffic studies, structural analysis and design etc.

Highlights of the Department

- B.E Civil Engineering programs accredited by National Board of Accreditation (NBA) under Tier I.
- Anna University Recognized Research Centre
- Signed MoUs with NHAI, Construction Management Training Institute (CMTI), Bengaluru and TechApps Consulting, Chennai.
- The Department has received funded projects and external grants from SERB, AICTE, TNSCST, etc.
- Completed consultancy and testing projects associated with various industries.
- Published book chapters and patents.

•

CONTACT US

Sri Venkateswara College of Engineering, Post Bag No I, Pennalur, Chennai Bengaluru High Road, Sriperumbudur Tk, Kancheepuram Dt. Tamilnadu 602 117

Specializations & Research Domains

- 🔗 Structural Engineering
- 🤣 Transportation Engineering
- nvironmental Engineering
- 🥪 Construction Management
- 🤣 Water Resources Engineering
- 🧭 Geotechnical Engineering

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FACULTY EXPERTISE





WHY STUDY CIVIL AT SVCE?



- Industry Institute Interaction in terms of Partial delivery of course, Industrial visits, Internships, Guest lectures.
- Well-defined Choice Based Credit System based curriculum with Value added Courses and Certificate courses.
- Well-equipped modern laboratories and Industry Supported Advanced Software Laboratory (supported by TechApps Consulting and Bentley Education).
- Involvement of students in association activities and magazine publications.

OUR MAJOR RECRUITERS



A BACHELOR'S DEGREE IN CIVIL ENGINEERING WITH SPECIALIZATION IN ANY OF THE FOLLOWING

MINOR DISCIPLINES



ARTIFICIAL INTELLIGENCE & MACHINE LEARNING



DATA SCIENCE



ROBOTICS & MODERN MATERIAL HANDLING



LOGISTICS & SUPPLY CHAIN MANAGEMENT



BUSINESS DATA ANALYTICS



FINTECH & BLOCK CHAIN

AND MANY MORE

HONOURS



STRUCTURAL ENGINEERING



CONSTRUCTION MANAGEMENT



GEO-INFORMATICS



GEOTECHNICAL ENGINEERING



M.E. Construction Engineering and Management



- **Construction and Demolition wastes**
- Advanced testing techniques for building materials
- **Risk Management in Construction Projects**

Sri Venkateswara College of Engineering (Autonomous) is a premier self-financing institution started in 1985 and received Autonomous status in 2016. The college is approved by AICTE and affiliated to Anna University, Chennai. The college is accredited by National Assessment and Accreditation Council (NAAC) with A+ Grade.

Department of Civil Engineering has started functioning from the year 2008, offering B.E. degree program in Civil Engineering. The programme is accredited by NBA under Tier I Washington Accord. The Department is a recognized research centre by the Anna University for MS (By Research) and Ph.D. Programmes.

RESEARCH FOCUS

Sustainable Binders and Concrete

Construction

Management

Training Institute

(CMTI), Bengaluru

- Sustainability and Life Cycle Assessment
- **Composite Building materials**
- **Construction Cost Control**
- **Quality and Safety Management**

SCHOLARSHIPS FOR PG STUDENTS

>PG scholarship of Rs.50,000/year for 30% of the top scorers in their UG degree of sanctioned class strength for 2 years.

>Management Scholarships for tuition fees and assistance for books and instruments

>Intramural M.E/M.Tech Student Research Grant to carry out innovative projects in Civil Engineering.

>Sponsorships for students to participate in conferences.

>AICTE-GATE Scholarship of Rs. 12,400/month for 24 months from AICTE for students having a valid GATE score.



Eligibility & Admission: The basic eligibility criteria is to have a Bachelor's Degree in the relevant field from a recognised university/institute. Admissions will be based on a Common Engineering Entrance Test for Admission (CEETA PG), conducted by Anna University on behalf of the Tamil Nadu government. Candidates with valid scores in the GATE examination are exempted from CEETA PG. The final selection to M.E. program will be done through a counselling process.





National Highway

Authority of India

(NHAI), India





Admissions

open for the Academic Year 2024 - 2025

National Highway Authority of India (NHAI), India

Bentley Consulting

Chennai

9894125626

999458404

Education

RED/

Confederation of Real Estate Developers' Associations of India

(CREDAI) Chennai

Industry Collaboration

Construction Management Training Institute (CMTI), Bengaluru

TechAppro

We are excited to introduce **B.E. Civil Engineering** for Working Professionals

Sri Venkateswara College of Engineering (Autonomous) is a premier self-financing institutionstarted in 1985 and received Autonomous status in 2016. The college is approved by AICTE and affiliated to Anna University, Chennai. The college is accredited with A+ Grade by NAAC

Department of Civil Engineering offers

B.E. - Civil Engineering

- M.E. Construction Engineering and Management &
- PhD Civil Engineering

Salient features of the department

- State of art infrastructure, ICT enabled classrooms and labs
- Experienced faculty experts from different domains of civil Engineering
- Industry oriented curriculum
- NBA Accredited UG Civil Engineering program
- Recognised Research Centre by Anna University

Eligibility & Admission:

- Professionals working in Registered Industry / Organization (Central / State) / Private/ Public Limited Company/ MSMEs located within 50 KM radial distance from the Institute.
- Minimum of One Year Full time / Regular working Experience.
- Qualification: Pass in diploma course (10+3 years or 12+2 years pattern)