



S.A. ENGINEERING COLLEGE

An Autonomous Institution, Affiliated to Anna University

NBA Accredited & ISO 9001-2015 Certified Institution

The Newsletter of

Civil Engineering

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ABOUT DEPARTMENT

The Department of Civil Engineering started during 2011-2012 with an aim of promoting high quality education in the field of Civil Engineering. The department presently having an intake of 120 students per batch and it has well equipped Laboratories. A demonstrated capability of the department is endorsed by the on-going sponsored and a curiosity driven research project besides consultancy works. Presently twenty one Dynamic, Experienced and committed faculty with more accountability is strength of the department. Besides this, State-of-the art equipment and different flavours of GIS & IMAGE Processing and structural engineering software are being exploited to inculcate professional skills. The core competency of the department is evidenced by the on-going research programmes sponsored by the various agencies like Ministry of Science and Technology, Government of India and Tamil Nadu State Council for Technical Education, Government of Tamil Nadu.

VISION

To be a centre of excellence in the field of Civil Engineering and to create the new technology for future requirements with the necessary knowledge, skills and attitudes of Civil Engineers who can be entrusted by the society to lead a sustainable world with enhanced quality of life.

MISSION

- To prepare effective and responsible graduate engineers for global requirements by providing quality education.
- To constantly strive to improve pedagogical methods employed in delivering the academic programs.
- To impart sound technical competency to students according to the needs of the changing world.
- To conduct basic and applied research to enhance intellectual property.
- To provide consultancy to the neighbourhood and cultivate the spirit of entrepreneurship.

DEPARTMENT ACTIVITIES

Research and Development

The current on-going research project titled “**Detection and Discrimination of Coral Reefs Using Hyper-Spectral Data**” under the scheme of **Network Programme on Imaging Spectroscopy and Applications (NISA)** under **Inter Disciplinary Cyber Physics System (ICPS)** division, sponsored by **Ministry of Science and Technology, Department of Science and Technology, Government of India** and the amount of **Rs.26,58,700/-** were sanctioned.

As a part of project the Project Advisory and Monitoring Committee (PAMC) is happened to review the progress of project on October 27-28, 2018 at National Institute of Technology, Patna, Bihar.

Proposals Submitted

- **Dr.A.Chandran** have Submitted a Proposal on “**Application of green technology in development of infrastructure**” to Science & Engineering Research Board (SERB) with a fund request of 90,000/- on 27.07.2018.
- **Dr.A.Chandran** have Submitted a Proposal on “**Effect of climatic change on durability of prestressed concrete structures**” to Science & Engineering Research Board (SERB) with a fund request of 60,000/- on 27.07.2018.
- **Prof.M.Thanikachalam** have Submitted a project proposal on “**Assessment of Coastal Hazards and its Impacts on Coral Reef Ecosystem in Gulf of Mannar Using Geospatial Technologies**” to Natural Resources Data Management System (NRDMS) with a fund request of 42,99,460/- on 05-07-2018.
- **Prof.M.Thanikachalam** have Submitted a project proposal on “**Assessment and Conservation of Coral Reef Ecosystem in Gulf of Mannar Marine National Park Using Geospatial Techniques**” to Ministry of Environment, Forest and Climate Change, (MoEFcc), Government of India, New Delhi. with a fund request of 40,27,750/- on 01-08-2018.
- **Prof.M.Thanikachalam** have Submitted a fund request on “**National workshop on “Advances in Geospatial Technologies for Disaster Management”**” to Council of Scientific and Industrial Research with a fund request of 82,500/- on 13.10.2018.
- **Prof.M.Thanikachalam** have Submitted a fund request on “**Recent Advances in Land Surveying and Mapping**” to All India Council for Technical Education with a fund request of Rs.5,00,000/- on 12.11.2018

Faculty Publications

- **Dr.M.Thanikachalam** has published a research paper on “**Temporal Coastal Changes along Rameshwaram Coast, Tamilnadu**” in International Journal of Advance Technology & Engineering Research (IJATER), Volume 3, issue 9, ISSN No: 2250-3536 on November 17.
- **Dr.M.Thanikachalam** has published a research paper on “**Investigations of Coastal Landforms along the southeast Coast of India using Remote Sensing and GIS Techniques**” in International Journal of Remote Sensing & Geoscience (IJRSG), Volume 6, Issue 6, ISSN No: 2319-3484.
- **Dr.M.Thanikachalam**, a research paper on “**Investigation and Prediction of Urban – Sprawl and Land – Use Changes for Chennai City Using GeoSpatial Technologies**” has accepted for publication in Indian Journal of Geo-marine Sciences (IJMS), Published by NISCAIR publications of CSIR, Annexure I.
- **Dr.M. Thanikachalam**, a research paper on “**Hyper Spectral Signature of coral leaf species and bottom types from Gulf of Mannar, India**” has accepted for publication in Indian Journal of Geo-marine Sciences (IJMS), Published by NISCAIR publications of CSIR, Annexure I.
- **Mr.G.VinothKanna** has published a paper on “**A study on Disaster Management and Response Planning in Construction Industries**” in

International Journal of Scientific Development and research (IJSRD), Volume 3 (9), September 2018, ISSN No: 2455-2631.

- **Mr.G.VinothKannahas** published a paper on **“Study on behaviour of Coconut Shell aggregate using Super Absorbent Polymer”** in international Journal for Research in Applied Science & Engineering Technology” July 2018.
- **Mr.G.Adharshhas** published a paper on **“Study on Geopolymer Concrete strength by replacing Flyash with GGBS”** in International Journal for Scientific Research & Development, June 2018, Volume 4(6)

Events Organized

- A **Awareness Programme** was organized by Department of Civil Engineering on **“Indian Concrete Institute”** for the benefit of students and faculty members from Professional Society Body on **21.08.2018** was inaugurated by **Er.RadhaKrishnan, Secretary General, Indian Concrete Institute, Chennai**. All the participants were presented technical papers and certificates distributed to the participants.



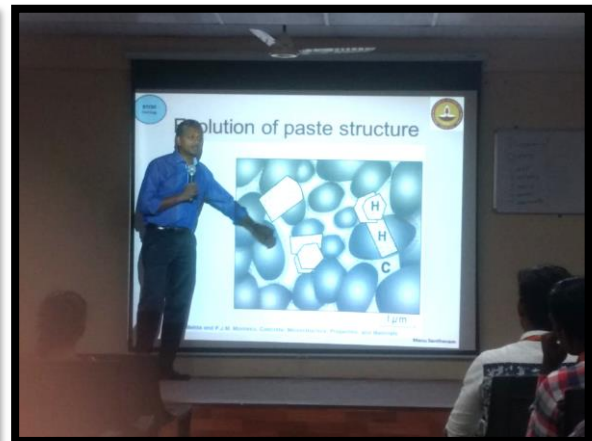
CURRICULUM ACTIVITIES

Guest Lectures

- A guest lecture was delivered by **Mr.L.S.Kannan**, JGM & Head Concrete Management Department – B&FIC,L& T Construction HQ, Manapakkam, Chennai.on “**Applications of Construction Materials in Civil Engineering**”on 09.08.2018 for II Year students.



- A guest lecture was delivered by **Dr.ManuSanthanam**, Professor,Department of Civil Engineering, Indian Institute of Technology Madras, Chennai, on “**Applications of strength of materials using concrete Technology**”on 03.09.2018 for II Year students.



Alumini Interaction Programme

- A guest lecture was delivered by **Mr.Sathishkumar**, 2011-2015 Batch, Planning & Executive Engineer, Shobha Developers, Tiruvananthapuram, Kerala on “**Job Opportunities in Civil Engineering**” on 25.09.2018.



PLACEMENT ACTIVITIES

- ✚ **Mr.M.Parthiban** of final year had placed in **Tata Consultancy Services** with the Annual Package of **Rs.3.24Lacs**.
- ✚ A total of **33 Students** of final year got placed in **Geo Adithya Technologies Pvt Ltd** with the annual Package of **Rs.1.80 Lacs**.

STUDENT ACTIVITIES

- ✚ **Mr.Mohamed Abdul Basith, Mr.NukhmanHanif , Mr.D.Santhosh Kumar and Mr.Ruban Kumar** has been submitted a project proposal to Tamilnadu State Council for Science & technology (TNSCST) on **“Pervious concrete blocks using basalt fibre to improve ground water level”** under the Guidance of **Dr.A.Chandran** Professor, Department of Civil Engineering on 30.08.2018.
- ✚ **Mr.Parthiban M, Ms.Monika P, Mr.Tharshish Raj and Ms.Mercy Grace** has been submitted a project proposal to TamilNadu State Council for Science & technology (TNSCST) on **“A Study on mechanical properties of Neem leaf powder in cement blocks”** under the Guidance of **Mr.G.VinothKanna** Assistant Professor Department of Civil Engineering on 30.08.2018.
- ✚ **Mr.S.Lokesh, Mr.AhamedNoorani&Mr.S.Sanjay** has been submitted a project proposal to Tamilnadu State Council for Science & technology (TNSCST) on **“Isolation of calcite precipitating bacteria and Application of it in rigid pavement”** under the Guidance of **Ms.G.Dhanalakshmi** Assistant Professor Department of Civil Engineering on 30.08.2018.
- ✚ **Mr.T.Naresh, Mr.K.Sivaraman, Mr.NalinPandiyan and Mr.Thamizhvanan** has been submitted a project proposal to Tamilnadu State Council for Science & technology (TNSCST) on **“Application of basalt fibre in hollow blocks”** under the Guidance of **Ms.S.Priyavadhani** Assistant Professor Department of Civil Engineering on 30.08.2018.
- ✚ **Mr.Muthumari, Mr.Karthikeyan, Mr.Kaviarasu E and Mr.MadhanRaj** has been submitted a project proposal to TamilNadu State Council for Science &

technology (TNSCST) on **“Design, construction and processing of phytoremediation for treating waste water”** under the Guidance of **Mr.G.Adharsh** Assistant Professor Department of Civil Engineering on 30.08.2018.

Mr.S.Lokesh, Mr.S.Kaviarasu and Mr.B.Kishore of final year students had participated in **“National Entrepreneurship Challenge of IIT Bombay”** on 11.09.2018 in our College Premises and they placed **fifth Position** in stage 1 for all over Asia.



Mr.P.C.Dharshan had attended GRE and TOFEL Exams on academic Year 2018-2019 and he secured **329 out of 340 in GRE** and **105 out of 110 in TOFEL**.

FACULTY ACTIVITIES

- **Prof.M.Thanikachalam** have participated in **Doctoral Committee** meeting for Mr.Sandeep Mahajan on 23-10-2018 held at Department of Civil Engineering of SRM Institute of Science and Technology.
- **Ms.Aarthi N**, Assistant Professor Department of Civil Engineering had attended Two Days National Level Workshop on **“Total Station, GPS & GAS Chromatography”** at St.Joseph’s College of engineering during 09.11.2018 and 10.11.2018.
- **Ms.S.Priyavadhani**, Assistant Professor Department of Civil Engineering had attended Two Days National Level Workshop on **“Total Station, GPS & GAS Chromatography”** at St.Joseph’s College of engineering during 09.11.2018 and 10.11.2018.
- **Ms.M.Poorani**, Assistant Professor Department of Civil Engineering had attended Two Days National Level Workshop on **“Total Station, GPS & GAS Chromatography”** at St.Joseph’s College of engineering during 09.11.2018 and 10.11.2018.
- **Mr.G.Vinoth Kanna**, Assistant Professor Department of Civil Engineering had attended Two Days National Level Workshop on **“Recent Advancements in Structural Engineering”** at M.N.M Jain Engineering College during 14.11.2018 and 15.11.2018.
- **Ms.Karthika**, Assistant Professor Department of Civil Engineering had attended Two Days National Level Workshop on **“Recent Advancements in Structural**

Engineering” at M.N.M Jain Engineering College during 14.11.2018 and 15.11.2018.

- **Ms.Poorani M**, Assistant Professor Department of Civil Engineering had attended Three Days Faculty Development Programme on “**Limit State Design of Steel Structures**” at KCG College of Technology during 26.11.2018 and 28.11.2018.
- **Dr.A.Chandran, Ms.V.Vidya , Ms.G.Dhanalakshmi and Ms.S.Pavithra** faculties of Civil Engineering Department undergone 4 weeks Faculty development Programme on “**National Programme on Technology Enhanced Learning**” and they have cleared NPTEL Certification Course on “**Reinforced Concrete Road Bridges and Geosynthetics Testing Laboratory with Elite Grade.**
- Ms.Vidya, Ms.S.Priyavadhani and Ms.G.Dhanalakshmi** Assistant Professor Department of Civil Engineering had attended Five Days Faculty Development Programme on “**Repair and Renovations of Structures**” at National Institute of technical teachers training and Research during 26.11.2018 and 30.11.2018.

EDITORIAL BOARD

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