

THE WALL

NEWSLETTER OF DEPARTMENT OF CIVIL ENGINEERING

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DEPARTMENT OF CIVIL ENGINEERING
Dr.Mahalingam College of Engineering
and Technology,Pollachi

VISION AND MISSION OF THE INSTITUTION

VISION

We develop a globally competitive workforce and entrepreneurs

MISSION

Dr. Mahalingam College of Engineering and Technology, Pollachi endeavors to impart high quality, competency based technical education in Engineering and Technology to the younger generation with the required skills and abilities to face the challenging needs of the industry around the globe. This institution is also striving hard to attain a unique status in the international level by means of infrastructure, state-of-the-art computer facilities and techniques

VISION AND MISSION OF CIVIL DEPARTMENT

VISION

To develop Competent Civil Engineers to meet the infrastructure challenges of India and the world.

MISSION

- To become one of the reputed departments offering Civil Engineering Program in the country.**
- To produce excellent engineers to cope up with the changes through dynamic, innovative and flexible curriculum.**
- To provide a conducive environment for teaching & learning and to develop leaders with effective communication skills.**
- To conduct quality research driven by industry & societal needs and provide affordable engineering solutions.**

PROGRAMME SPECIFIC OUTCOMES (PSOs)

PSO 1. Design the fundamental elements of civil engineering systems, system components and processes considering safety, quality and cost.

PSO 2. Able to plan and prepare design and construction documents such as specifications, contracts, engineering drawings and construction schedules.

PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

Our graduates will:

PEO 1. Technical Expertise: Have successful professional careers dealing with analysis, design and management of construction projects globally.

PEO 2. Lifelong Learning: Exhibit attitude, professionalism, ability to communicate with team members and adapt to the latest trends by engaging themselves in lifelong learning.

PEO 3. Ethical Knowledge: Ethically apply their engineering knowledge and skills considering, societal, economic and environmental factors.

PROGRAMME OUTCOMES (POs)

The graduates of Civil Engineering Programme will be able to:

PO 1. Engineering knowledge: Apply knowledge of mathematics, science, engineering fundamentals and an engineering specialization in the field of Civil Engineering.

PO 2. Problem analysis: Identify, formulate, analyze and solve complex problems in construction industries using principles of mathematics, natural sciences and engineering sciences.

PO 3. Design/ development of solutions: Design a solution for complex civil engineering problems and design system processes to meet specific needs with appropriate consideration for public health and safety, cultural, societal and environmental considerations.

PO 4. Conduct investigations of complex problems: Conduct investigations of complex problems including design of experiments, analysis and interpretation of data and synthesis of information to provide valid conclusion.

PO 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.

PO6. 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.

PO 7. Environment and sustainability: Understanding the impact of engineering solutions in social environment and demonstrate the knowledge for sustainable expansion.

PO 8. Ethics: Apply ethical principles and commit to professional ethics and the norms of engineering practices.

PO 9. Individual and team work: Function effectively as an individual and as a member or leader in diverse teams and in multidisciplinary settings.

PO 10. Communication: Communicate with engineers and society to comprehend and write effective reports and design documentation, make effective presentations and give and receive clear instructions related to civil engineering professionals.

PO 11. Project management and finance: Demonstrate and apply the knowledge of engineering and management principles to one's own work, as a team leader or a member to manage project in multidisciplinary environments.

PO 12. Life-long learning: Recognize the need for life long learning and have the ability to engage in independent and life long learning in the context of technological change.

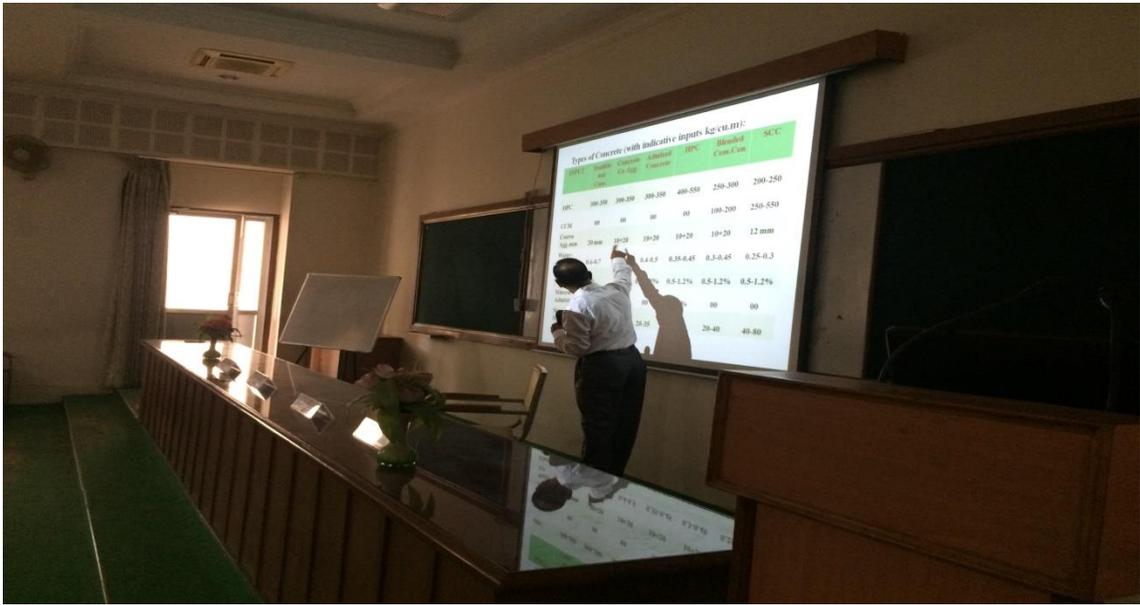


EVENTS THAT TUNED UP DURING 2013 - 2014

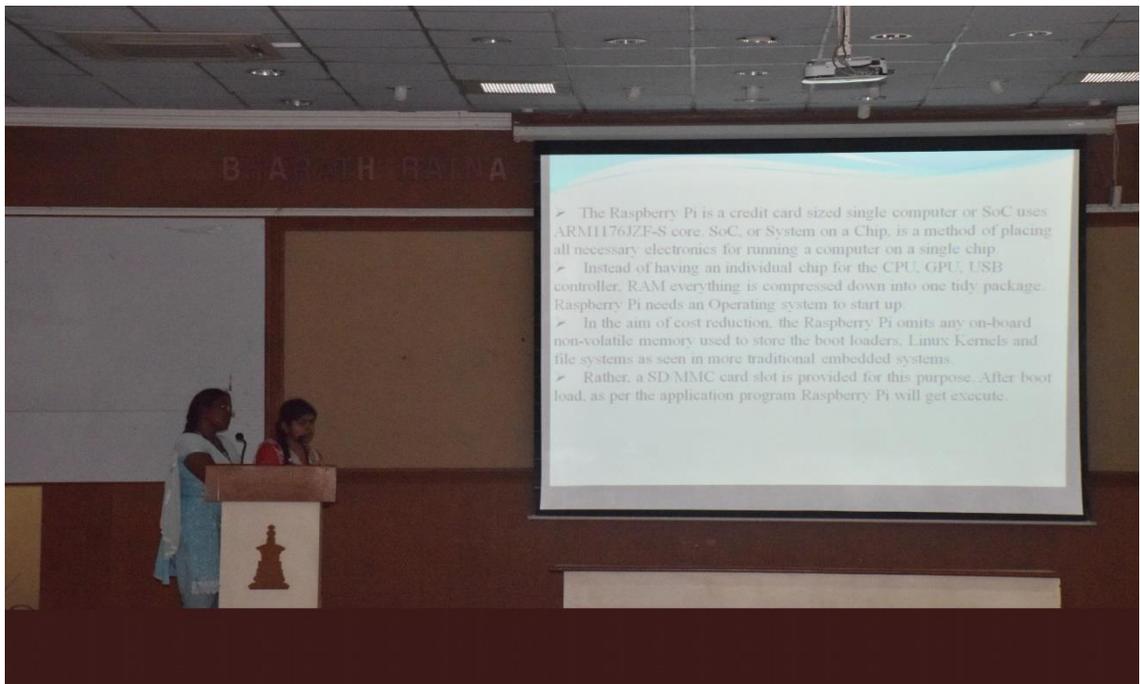
Experts from various disciplines of Civil Engineering shared their valuable knowledge with the students. Few are listed below:

No	Date	Topic	Resource Person	Type of event
1	02.08.2013	Inauguration of Beavers Association and Guest Lecture on "Cement Characteristics"	Er.C.Muthuganesh Manager – Technical Services, Ramco Cements Limited, Madurai.	Guest lecture
2	28.9.2013	Guest lecture on "Green Construction Chemicals"	Ms. IshitaManjrekar Senior Associates, Sunanda Specialty Coatings Pvt. Ltd, Mumbai.	Guest lecture
3	23.11.2013	Guest lecture on "Water Resources Management"	Dr. P. K. Suresh Consultant, Department of Ocean Engineering, IIT, Madras	Guest lecture
4	08.01.2014	Guest lecture on "Eco – Friendly Low Embodied Energy Cement from Industrial by – product for Green	Dr. N. P. Rajamane, Head, Centre for Advanced Concrete Research(CACR), SRM university, Kancheepuram.	Guest lecture

		Construction”		
5	08.01.2014	Guest lecture on “A New Chemical Process for Production of Steel in Very Low Cement Matrix”	Mr. M. Dhinesh, Scientific Officer, Centre for Advanced Concrete Research(CACR), SRM university, Kancheepuram	Guest lecture
6	07.02.2014	Guest lecture on “Acres Are Diamonds”	Dr. T. Rangaswamy Managing Director, Rangaswamy & Associates, USA	Guest lecture
7	20.02.2014	Techsym’14 (Paper Presentation Poster Presentation Con float)	Dr. G. Jaisankar, Prof & Head/Civil, MCET	Technical Symposium
8	21.02.2014	Orientation Program for I Years	Er. A. Sudhahar, Proprietor & Chief Consultant, Dimensions, Coimbatore	Industrial Experts Interaction
9	25.03.2014	Valediction of Beavers Association & Guest Lecture on “Architectural View”	Er. G. Shankar Narayan Managing Director, Shankar Narayan Architects, Secundrabad.	Guest lecture



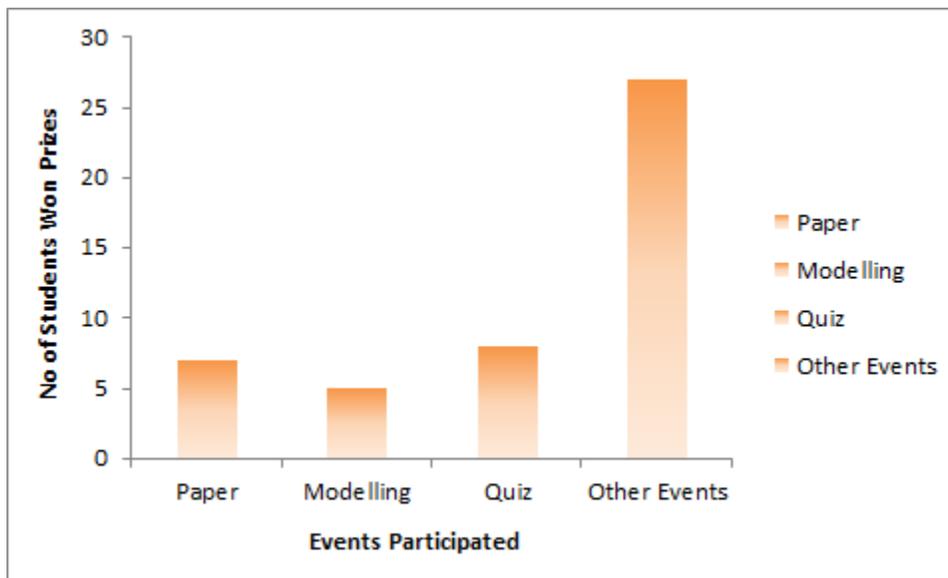
STUDENTS BEING ADDRESSED BY SPEAKER AT BEAVERS INAGURATION



STUDENTS PRESENTING THEIR IDEA IN PAPER PRESENTATION



STUDENTS PARTICIPATION IN CO-CURRICULAR EVENTS



HIGHLIGHTS OF THE DEPARTMENT

- **Dr.R.Ranga Palaniswamy, Dean/Civil, Dr.G.Jaisankar, Ms.R.Chandra Devi and Mr.L.Lokesh** organized the India-Canada Project Summit on Energy and Environment.
- **Ms.R.Chandra Devi** visited the Cape Breton University, Canada as a part of Research Collaborative activity.
- **A.Karthikeyan and S.Ramesh** of II Year has received Certificate C in Combined Annual Training Camp organised by NCC.
- **Karthick Rajaram** of Final Year is honoured with “ Arutchelvar Award “ by **Dr.MCET**.



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