



POORNIMA

GROUP OF INSTITUTIONS

19 August 2015

CONCRETE CANOE AS FUTURE FISHING PROSPECT BY PGI

IIT- Chennai and INDIAN CONCRETE INSTITUTE jointly selected Poornima Group of Institutions (PGI) Civil branch students for NATIONAL CONCRETE CANOE COMPETITION 2015 as the only institution from North India. In this competition, Innovative approach and consistency in project completion made it possible for PGI students Ramandeep Singh, Yuvraj Singh Sisodia, Shyam Lal Saini, Utkarsh Jain, Manohar Lal Das, Arzoo Modi, Akshay Galav, Himanshu Meena, Sapna Meena under the supervision of Ashuvendra Singh and Chanchal Sharma.

On technical basis of performance in earlier rounds, IIT- Chennai selected 15 teams out of 49 at National level to participate in the competition, PGI being one of them. These team will compete from 21 to 23 August 2015 at Chennai. The students of PGI made latest Concrete Canoe with dimensions: 3.5m long and 0.66m wide, which will make fishing as well as Naval expeditions much more comfortable, durable and cost effective in future. The Canoe has been made from cheap materials like fibre mesh, cement and fly ash. These materials are much lighter and durable in comparison to wood. It can also be used for transportation during floods as three persons can ride at a time. Latest software's like PROLINE and AutoCAD have been used to test the durability of canoe. Innovative approach and used knowledge of technology will benefit general public.

Chairman POORNIMA FOUNDATION Dr. S M Seth, Director General Shashikant Singhi, Director PGI Dr. Rakesh Duggal, Asst. Dean Pankaj Dhemia and HOD Dr.Pran Nath Dadhich appreciated the student's effort in constructing canoe in shortest possible time and for participation in a prestigious national competition.

ABOUT COMPETITION:

The **ICI-IITM National Concrete Canoe Competition (NCCC) 2015** is the first national level competition to be held at IIT Madras in which students from various universities of all over India make their own canoe, row them and compete. It is a nine month long project in which students perform structural and stability design and study on various materials to build light weight and high strength concrete and build two-seater canoe. They also get exposure to tools in construction project

management and an opportunity to develop leadership skills. Each team has to submit two interim reports before submitting the final report. Among the 35 registered teams (each with 12 students) from 9 states, the best 15 teams will be participating in the canoe race. Each team will design and fabricate the concrete canoe at their home institution and transport them to IIT Madras for the final competition/canoe racing during August 21-23, 2015. The competition/racing will be held at the towing tank (82 x 3.2 x 2.8 m), which is a unique facility in IIT Madras. Also, exhibition of canoes, racing and academic/industrial lectures, etc. are planned during the event.

ICI-The Indian Concrete Institute, founded in 1982, is the premier organisation for concrete technologists, with captains of industry, cement manufacturers, leading consultants, academicians, educational institutions and research scientists as members.

