



“Aldel Education Trust’s  
St. John College of Engineering and Management  
Department of Civil Engineering  
Newsletter




## Department of Civil Engineering

The Department of Civil Engineering was established in 2008 with the undergraduate course in Civil Engineering in accordance with AICTE regulations. The intake of the batch was.

It was a great achievement that Mr. Akilash Sivaraman secured the 5<sup>th</sup> Rank and Mr. Vishwakarma Ashishkumar Devpat secured the 10<sup>th</sup> Rank at the University of Mumbai in B.E Civil engineering in the academic year 2012-2013. Mr. Parmar Jugal Uday secured the 7<sup>th</sup> Rank at the University of Mumbai in B.E Civil Engineering Examination in the Academic Year 2013-14. This win spree of awards remained unabated, though the university changed the grading system to credit system on 10 point scale. Ms. Mridula Kale secured 9.28 in 2016-2017 (Mumbai University BE Examination).

Aldel Education Trust's  
**ST. JOHN COLLEGE OF ENGINEERING AND MANAGEMENT**



**Mr. Parmar Jugal Uday** Secured 7th Rank at University of Mumbai in the B.E. Civil Engineering Examination for Academic Year 2011-12.

Aldel Education Trust's  
**ST. JOHN COLLEGE OF ENGINEERING AND MANAGEMENT**



**Mr. Vishwakarma Ashishkumar Devpat** Secured 10th Rank at University of Mumbai in the B.E. Civil Engineering Examination for Academic Year 2011-12.

Aldel Education Trust's  
**ST. JOHN COLLEGE OF ENGINEERING AND MANAGEMENT**



**Mr. Nair Akhilesh Sivaraman** Secured 5th Rank at University of Mumbai in the B.E. Civil Engineering Examination for Academic Year 2011-12.

Students of the Department have not only excelled in the academics but also in co-curricular activities. A group of students of B E worked on an innovative product of concrete with **an Alternative to sand** and this project won 'Best Project Award' from 'Indian National Academy of Engineers (INAE), India. Eminent personalities including late Dr. Abdul Kalam were member of this prestigious institution.

Aldel Education Trust's  
**ST. JOHN COLLEGE OF  
ENGINEERING AND MANAGEMENT**

B.E. Civil Engineering Project Group  
consisting of -  
**Mr. Viral Jain, Mr. Aakash Mehta,  
Mr. Rajeev Panthai and  
Mr. Urvish Patel**

had secured Best Project award for  
Project "Alternatives to Natural Sand"  
from Indian National Academy of  
Engineering (INAE), New Delhi in the  
Academic year 2013-14.



Aldel Education Trust's  
**ST. JOHN COLLEGE OF  
ENGINEERING AND MANAGEMENT**

**Mr. Gala Viral** Secured Gold Medal  
"The Rao Bahadur Rajadhyaksha"  
award & "The M K Surveyor"  
prize for highest marks in Limit State  
Method for Reinforced Concrete  
structures (Sem VII) And Design &  
Drawing for Reinforced Concrete  
structures (Sem VIII) subjects in B. E.  
Civil Engineering from University of  
Mumbai for Academic Year 2014-15.



**Mr. Gala Viral** won **Gold Medal** award entitled "*The Rao Bahadur Rajadhyaksha*" and *The M K Surveyor*" for securing highest marks in Limit State Method for Reinforced Concrete structures. (Sem VII) and Design & Drawing for Reinforced Concrete structures (Sem VIII) subjects in B. E. Civil Engineering from **University of Mumbai for Academic Year 2014.**

**BE (Civil) secured 100% pass results in the academic year 2015.**

The performance of students of civil engineering was exceptional in co-curricular activities. Around twenty students of second and third year have won awards in the technical competitions held by premier institutions like IIT B and VJTI Mumbai.

## Preparation of NBA:

St. John College of Engineering and Management was established in 2008, It was a great achievement to attain NAAC "A" grade accreditation for the institute in the short span of ten years. In order to get NBA accreditation for the Civil Engineering program, department is accelerating towards the goal of submitting SAR report by the end of academic year 2019.

The Departmental Advisory Board is formed and the following vision, mission statements are formulated in addition to the program outcomes based on graduate attributes

## Vision:

To create high quality civil engineers with global perspective and to inculcate in them professionalism and work ethics for building a stronger society.

## Mission:

- To nurture Civil Engineers with competent technical skills, professional and ethical values to serve the Nation.
- To transform the department into a centre of excellence in the field of civil engineering and allied research.
- To provide knowledge base through consultancy services to the community in all areas of civil engineering.
- To inculcate innovation and eco-sustainable construction in the minds of budding civil engineers to face ever evolving challenges.

## Program Outcomes:

Engineering graduates will be able to:

1. Apply the knowledge of Mathematics, Applied Sciences to Civil Engineering to the solution of complex engineering problems.
2. Identify, formulate, research literature and solve

Identify, formulate, research literature and solve problems in the structural, construction management, hydraulic, transportation, and geotechnical stream of civil engineering.

3. Design solutions for complex Civil Engineering problems with appropriate consideration to safety, economy, health and environmental considerations.
4. Use research based knowledge and research methods including design of experiments, analyzing and interpretation of data and synthesis of the information to provide valid conclusions.
5. Create, select and apply appropriate upgraded Civil Engineering tools, techniques and resources and IT tools including prediction and modeling of complex engineering activities with an understanding of the limitations.
6. Serve the society with engineering knowledge and take the onus on societal health, safety, legal and cultural issues.
7. Understand the impact of the professional engineering solutions in societal and Environmental contexts and demonstrate the need for sustainable development.
8. Apply and demonstrate ethical principles, commit to professional ethics, Responsibilities and norms of the engineering practice.
9. Deliver as a leader and good team player in diverse teams and in multidisciplinary settings.
10. Have the spoken and written skills of communication by being able to comprehend and write effective reports, design documentation, make effective presentation, give and receive clear instructions.
11. Coordinate as a team member or a leader at the site projects, finance and consultancy with ease in multidisciplinary environments.

12. Recognize the need for, and have the preparation and ability to engage in independent and life long learning in the broad context of technological change.

### **Program Specific Outcome:**

Civil Engineering graduates shall be able to

1. Apply engineering knowledge to plan and design structures creating townships in the region with best transport systems.
2. Understand the importance of geotechnical investigation and impact of environmental pollution, societal health, legal and cultural issues so as to serve the society with professional ethics.
3. Understand complex problems and design solutions in structural constructions, water resource, Hydro-logical systems, sewerage, industrial effluent conveyor and treatment systems.
4. Lead and engage in teamwork to understand modern construction technology and the management of advanced research and development in the field of Civil Engineering

At present, the department has ten faculty members having the experience and expertise in different streams of Civil Engineering. All efforts are being made to place the students as interns at inhouse and outdoor construction projects. Good quality projects of B E students on concrete, soil and other waste materials are guided by the faculty.

Many guest experts are invited for enhancing the knowledge on various trending issues of the construction Industry.