



SAPTHAGIRI COLLEGE OF ENGINEERING

#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru- 560 057.

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DEPARTMENT OF CIVIL ENGINEERING

“A technical site visit to precast building construction at kengari ,Bangalore to understand the process of precast columns, beams, lintels, slabs installation.”

- Date: - Saturday, 16th Feb 2019.
- Time: - 8.00am to 10.00pm.
- Location:- Bangalore
- Guidance:-Dr.R.L Ramesh HOD dept of civil engineering
- Faculty Coordinator:- Mr.Pramod KR, Mr.Raghavendra R
- Non Teaching Staff :- Mr.Anne Gowda
- **SCE Students – BE 6TH SEM CIVIL – 73 nos**

- **Introduction:-**

- Precast concrete is a construction product produced by casting concrete in a reusable mold or form which is then cured in a controlled environment, transported to the construction site and erected into place. Indian realty majors are adopting precast technology in building their latest projects. The main advantages of precast technology are quality, speed of construction and a value for money product. To avoid labour shortage, time delays and with an aim to deliver quality products, developers and builders are now adopting precast technology. The use of such technology helps in upto to 64% of the time taken for similar projects using normal construction methods and technology. In other words if normal brick and mortar method takes one year to complete a project, the precast method takes about four months. Precast technology has proved its worth by saving a lot of construction time in the Europe and the Middle East. The best part of the technology is that it best part of the technology is that it not only speeds up the construction work but also enhances the quality of final output. with the help of Platina venture construction company.
- Strength: - Trained & Skilled employees, fully automated plant is their strength.
- Safety: - For all the students they gave safety helmets.
- Speed: - for each & every activity there are machines, so whole work get boost up. Hence they achieve speed in production, transportation and construction

It is vibrant, dynamic and integral part of modern India, significantly contributing industrial, economic, social progress. B.G. Shirke also pioneered and patented the “3S

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System” in India. 3S System means – Strength, Safety, and Speed.

Detailing of pre-cast construction shown in pictures as below.



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Cordinator