ACADEMIC YEAR

2018-19

ANNUAL PUBLISHED NEWSLETTER

CONSTRO

DEPARTMENT OF CIVIL ENGINEERING

K. E. Society's

Rajarambapu Institute of Technology,

Rajaramnagar.

(Diploma 2nd Shift)

Islampur, Dist. Sangli,
Maharashtra, India - 415414.

Tel : +91 - 2342 – 220329 , 9970700700.

Annual Newsletter

Department of Civil Engineering

Vision:

Develop competent Civil Engineers and accomplish excellence in civil engineering discipline to fulfill ever-changing industry & societal requirements, for socio-economic growth of the nation.

Mission:

- To impart value-based technical education to develop skillful civil engineers.
- To develop technically and socially responsible civil engineers by providing a platform among students with industry and alumni.
- To provide a comprehensive education which prepare our students to be successful in engineering practices and advanced studies.
- To prepare students for successful careers with the help of modern technologies and equipment.

Achievement

Excellent remark by MSBTE External Academic Monitoring Committee

MSBTE monitor their affiliated institute for every year. The main purpose of their visit is to check the academic performance of institute.

This is second time our "Department of Civil Engineering" has got proud academic monitoring remark by MSBTE in successive two years.

Toppers List 2018- 2019- T.Y. CIVIL

1. PAWAR ANKITA RAJENDRA (88.9 %)
2. PATIL AISHWARYA YOGESH (87.69 %)
3. PATIL VIJAYA VISHWAS (87.14 %)

Toppers List 2018- 2019– S.Y. CIVIL

1. PANDHARPATTE PRIYANKA (89.71 %)
2. PATIL SHREYASHA SUDAM (84.20 %)
3. PATEL TARUN KUMAR (82.52 %)

MSBTE sponsored State Level Technical Paper Presentation Completion Held at RIT, On 3rd SEP 2018.

Program Organized By Department

For student's skill development and knowledge improvement purpose "Department of Civil Engineering" has organize various kinds of programs such like workshops, trainings, guest lectures, industrial visits etc. In last year our department has organize following activities.

Sr. No.	Description	Faculty involved	Duration	Resource person
1	Entrepreneurship Awareness Camp	Mr. V. T. Babar	3 Days	MITCON, Sangli
2	Valuation and E-Tendering	Mr. M.S.Yadav & Mr. D.V.Patil	2 Days	Mr. Y.M.Patil Mr. D.B.Kulkarni

Training Program Attained

Sr. No.	Description	Attended by	Duration	Organized by
1	Improving Teaching Effectiveness in Polytechnic Institution	Mr. D. V. Patil	1 Week	AICTE-ISTE
2	Industrial Training Program	Mr. R. D. Patil	1 Week	MSBTE
3	Hands on skill of advanced surveying Instruments and Techniques.	Mr. A. P. Mehendale	1 Week	MSBTE

Guest Lecture of Mr. Dipak Ghag (02-FEB-19)

Advance Construction Practices (13-SEP-19)

"Personality Development (Habits)" (04-AUG-18)

"Good Construction Practices" (25-AUG-18)

EXPERT TALK

Industrial Visits

To bridge the gap between theory and practical knowledge “Department of Civil Engineering” has organize the industrial visits for students. Due to this field visit students can understand the difficult concept easily.

Sr. No.	Date	Topic Covered	Location	Sub.	Class
1	10 th Aug 2018	Joints in steel structures	Sugar Factory, Sakharale	DSS	TY CIVIL
2	10 th Aug 2018	Stone crushing process	Patil Stone Crusher, Waghawadi	CTE	SY CIVIL
3	19th JAN 2019	Process of vermicomposting	Vermicomposting Plant, Sakharale	SWM	TY CIVIL
4	25th Jan 2019	Road Maintenance	Road Site, Tung	HEN	TY CIVIL
5	26th Jan 2019	Railway Engg	Kankavli Railway Junction	RBE	SY CIVIL
6	25th Jan 2019	ROCKS	Rock Garden, Sindhudurg	GTE	SY CIVIL

VISIT 1

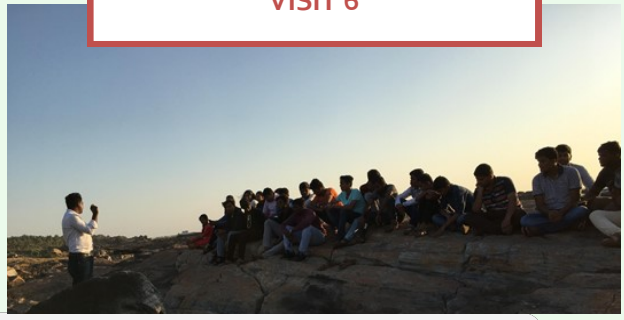
VISIT 2

VISIT 3

VISIT 4

VISIT 5

VISIT 6



VISITS PHOTOS

EVENTS

Engineers day

CESA celebrated Engineers Day on Saturday, 15/09/2018. The chief guest for this function was Mr. Sharad Kumbhar (CEO Ninad Constructions, Miraj)

Teachers day

Department of Civil Engineering and CESA (Civil Engineering Students Association) celebrated Teacher Day on Wedensday, 05/09/2018

Annual Sports

TECHNICAL VIEW

A social tool for evaluating the environmental impact of residential buildings

for the first time, an open-source computing tool can, simply and intuitively, calculate the CO2 emissions in each phase of a building project, in order to obtain a global picture of its carbon footprint from its conception and to help decide every variable in the

The research group ARDITEC from the Higher Technical School of Building Engineering at the University of Seville has led a pioneering European project to calculate the environmental impact of residential buildings. The novelty of this initiative is that for the first time an open-source computing tool which can, simply and intuitively, calculate the CO2 emissions in each phase of a building project, in order to obtain a global picture of its carbon footprint from its conception and to help decide every variable in the construction process.

MR. SHANKAR SALUNKHE (SY CIVIL)

Smart technology for synchronized 3D printing of concrete

Scientists have developed a technology where two robots can work in unison to 3D-print a concrete structure. This method of concurrent 3D-printing, known as swarm printing, paves the way for a team of mobile robots to print even bigger structures in future. Developed by Assistant Professor Pham Quang Cuong and his team at NTU's Singapore Centre for 3D Printing, this new multi-robot technology was published in Automation in Construction, a top tier journal for civil engineering. The NTU scientist was also behind the Ikea Bot earlier this year where two robots assembled an Ikea chair in 8 min 55s. Using a specially formulated cement mix suitable for 3-D printing, this new development will allow for unique concrete designs currently not possible with conventional casting. Structures can also be produced on demand and in a much shorter period.

Currently, 3D-printing of large concrete structures requires huge printers that are larger than the printed objects, which is unfeasible since most construction sites have space constraints. Having multiple mobile robots that can 3D print in sync means large structures like architectural features and specially-designed facades can be printed anywhere as long as there is enough space for the robots to move around the work site. The NTU robots 3D-printed a concrete structure measuring 1.86m x 0.46m x 0.13m in eight minutes. It took two days to harden and one week for it to achieve its full strength before it was ready for installation.

MR. AMIT PUJARI (TY CIVIL)