

ACADEMIC YEAR

2019-20

ANNUAL PUBLISHED NEWSLETTER

CONSTRO

DEPARTMENT OF CIVIL ENGINEERING



K. E. Society's

Rajarambapu Institute of Technology,

Rajaramnagar.

(Diploma 2nd Shift)

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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**

Students of TY Civil class Miss. Priyanka Pandharpatte and Miss. Shreyasha Patil secured 2nd Runner up in Paper Presentation Sponsored by MSBTE at Sou.Venutai Chavan Polytechic, Pune on the date (23/09/2019)

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.

MSBTE sponsored State Level
Technical Paper Presentation Completion
Held at RIT, On 25th January 2020

Toppers List 2019- 2020- T.Y. CIVIL

1. PANDHARPATTE PRIYANKA AJINKYA (94.95 %)
2. PATIL SHRYASHA SUDAM (94.42 %)
3. PATEL TARUN KUMAR (94.37 %)

Toppers List 2019- 2020– S.Y. CIVIL

1. DHUMAL SAMRAT SHAHAJI (90.25 %)
2. MADHVAI NIJAM ABUBKAR (90.00 %)
3. PATIL ADITI AJIT (88.88 %)



Program Organized By Department

For student's skill development and knowledge improvement purpose "Department of Civil Engineering" has organized various kinds of programs such like workshops, trainings, guest lectures, industrial visits etc. In last year our department has organized 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. A. M. KADAM & Mr. V. T. BABAR	1 Day	Mr. Sachin D.Khopade

Training Program Attained

Sr. No.	Description	Attended by Faculty	Duration	Organized by
1	Outcome Based Education-Delivery, Learning and Evaluation	Mr. M. S. Yadav	1 Week	MSBTE
2	Effective Teaching Learning and Outcome Based Education	Mr. A. M. Kadam	1 Week	RIT-CTL
3	Renewable Energy Sources and Technology : A state of Art	Mr. D. V. Patil	1 Week	AICTE



Guest Lecture on
Valuation and E-

Online Webinar CTE



Three Days FDP on
Online Platforms for

Personality
Development Interview



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	9thSept. 2019	Stone Crushing Plant	Patil Stone Crusher, Waghawadi	CTE	SY CIVIL
2	9thSept. 2019	Road Maintenance	NH-4 Highway, Waghawadi	TRE	SY CIVIL
3	11th JAN 2020	Solid Waste Processing Cen-	BBMP, Bangalore	SWM	TY CIVIL
4	12th JAN 2020	Ultratech Cement	Banglore	MRS	TY CIVIL
5	18th Jan 2020	Railway and Tunnel Engg.	Railway station&Tunnel , Old Goa	RBE	SY CIVIL
6	17th Jan 2020	Bridge Engineering	Zuari River Cable Stay Bridge, Pa-	RBE	SY CIVIL

VISIT 1



VISIT 2



VISIT 3



VISIT 4



VISIT 5



VISIT 6

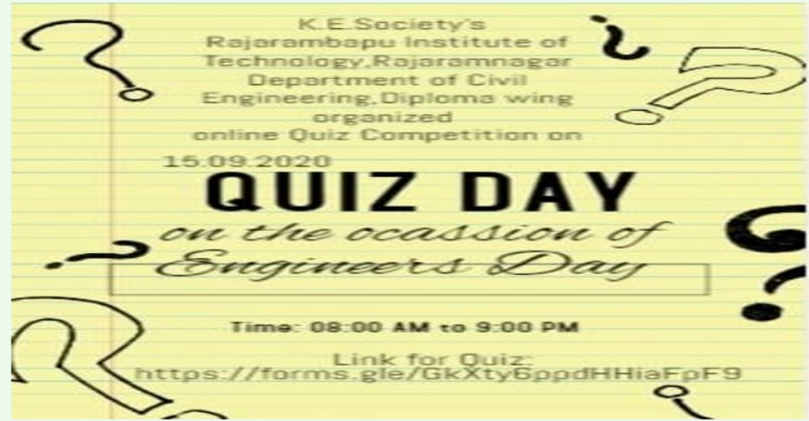
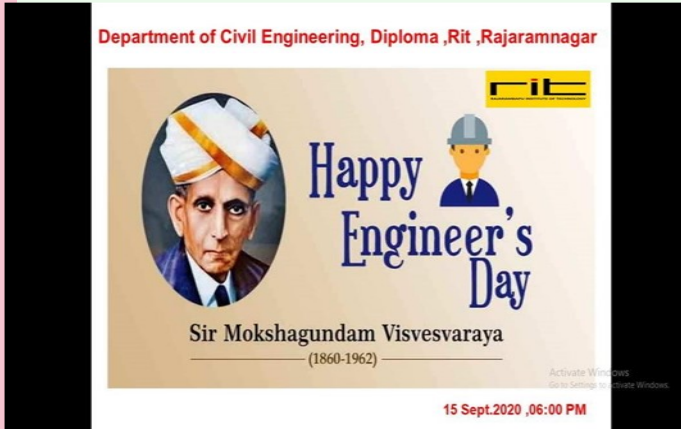


VISITS PHOTOS

EVENTS

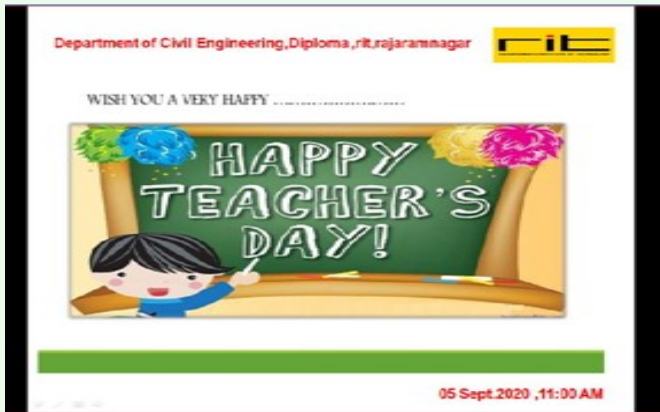
Engineers day

CESA celebrated Engineers Day on Saturday, 15/09/2020. Due to covid 19 situation this year we decided to celebrate Engineers day on 15 September 2020 through online mode by using MS teams for students.



Teachers day

Department of Civil Engineering and CESA (Civil Engineering Students Association) celebrated Teacher Day on Wednesday, 05/09/2020



Annual Sports



TECHNICAL VIEW

Self Healing Concrete

Concrete is most widely used material on earth , i.e. second most used after water, but it is subjected to cracking, stresses, deterioration under extreme heat and cold conditions. The only way to fix concrete was to patch it or reinforce it. But in 2010 a graduate student & professor at Rhode island created a new type of smart concrete that heals it own cracks.

The concrete mixes embedded with tiny capsules of sodium silicate, when the crack forms the capsules rupture & release the gel like healing agent that hardens to filling the voids. Other researchers have used bacteria / embedded glass capillaries or polymer micro capsule to achieve similar results. This concrete not only makes structure safe, but also cut-down green house gases and makes it sustainable.



MR. NIJAM MADHAVI (SY CIVIL)

DRONES: ADVANCED MAPPING AND SCANNING CAPACITIES FOR MORE ACCURATE VISUALIZATIONS

Civil engineering is ripe with applications for unmanned aerial vehicles, which can aid in scanning and mapping work sites as well as capturing photos and videos for promotional purposes. UAVs often represent a cost-saving measure for businesses that need aerial mapping, as a drone doesn't require a pilot, but rather, a programmer. UAVs are also easy to program to fly multiple times around the same worksite, which means in the future, firms will be able to capture a variety of images and videos while the project is being completed – and that will enable firms to better manage project progress.

UAVs will also revolutionize civil engineering through the use of photo scanning, an image capture process that uses photos (rather than lasers) to capture images. Photo scanning captures not just the ground surface, but also buildings, plants, benches, and other nearby structures – and represents them in three dimensions. With these advanced capabilities, drones will allow for more accurate and more interactive 3D representations of civil engineering projects.



MISS. VEDIKA VITTHAL PATIL (TY CIVIL)