1. **QUIZ:** Quizzes on Prerequisites and Modules of the subject taught clears the concept of the subjects for the revision of the concepts learnt in the class. The quiz is mostly conducted online through any online mode using Moodle or Google classroom , Kahoot etc.
   It was conducted for Structured Programming Approach of FE, Data Structures ,Analysis of Algorithms for TE,etc.

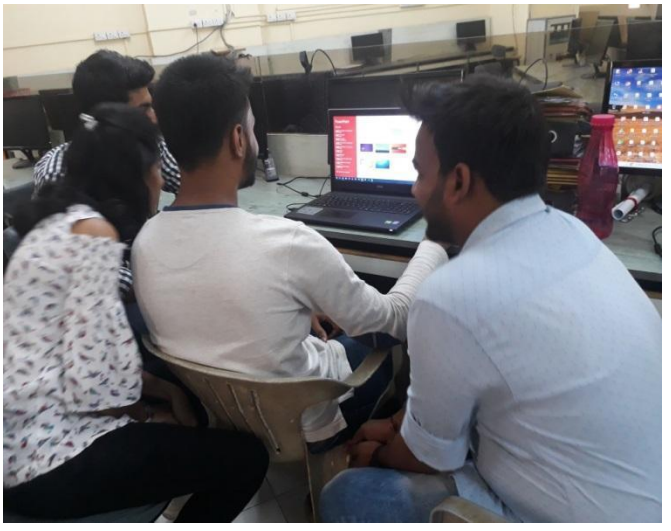
2. **ROLE PLAY:** This technique is an excellent tool for engaging students and allowing them to interact with their peers. It is a very flexible teaching approach because it requires no special tools, technology, or environments. Faculties make use of Role Play - a Team Building Activity as a part of classroom teaching. It helps to understand the theoretical concepts in interesting ways.


TE SEM VI SE 2018-19

3. **THINK PAIR SHARE:** Groups of students are given Questions prepared by the faculty. Students have to read the questions and brainstorm on the given question (Think Phase). This is shared with other students in the group (Pair Phase). The group concludes the problem statement and shares the answers with other groups. Finally, the class brainstorms (Share Phase). Students learned how to do collaborative study. This activity was conducted for Machine learning in TE.

TE Sem VI ML 2018-19

4. **SCREEN CASTING:** Screen casting is the act of recording a video. Screen casting can provide learners a student-centred experience in both distance and traditional learning settings. Difficult numerical/topics can be uploaded on MOODLE so students can watch the related video as and when required. Students learned to create video and upload it on YouTube. These videos help the students to learn the concept. This was conducted for HMI in BE.

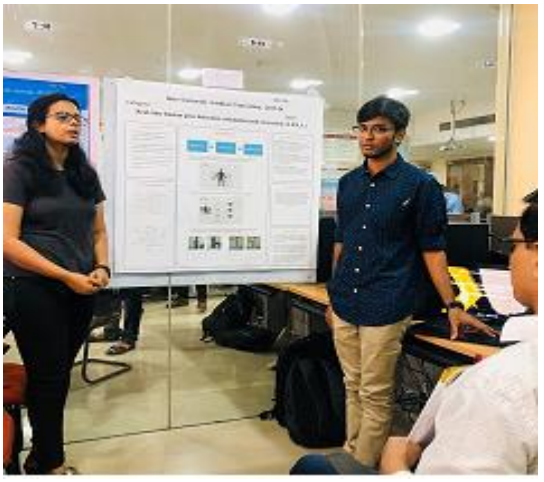


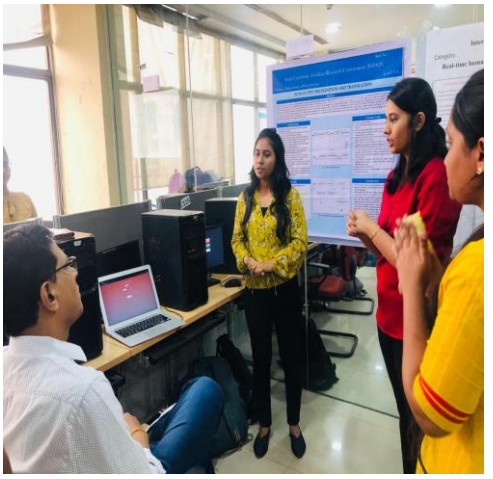
BE Sem VII HMI 2018-19

5. **POSTER PRESENTATION:** Students are told to prepare posters on the topics allotted and present it. This activity helps in improving technical concepts with team building and also helps in improving communication skills required for presenting their ideas.

6. **National Level Project Competition: Avishkar**, a state-level inter university research

competition, is hailed as one of the most prestigious event, where under graduate to PhD students participate. The best idea will be selected and applauded in the final stage of the competition.





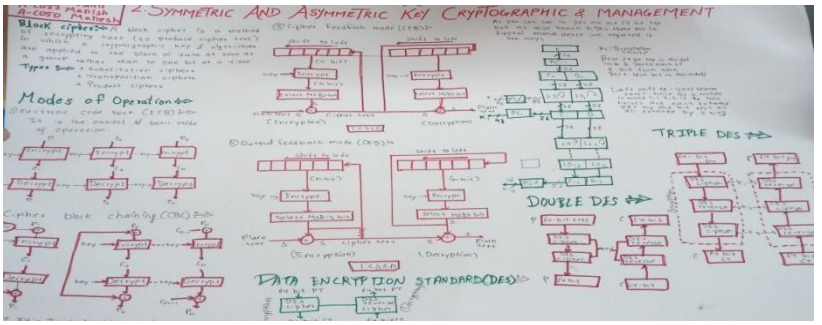
Round 1 of Avishkar at RAIT 2019-20 odd Sem

7. **PAPER PRESENTATION:** Students present the Mini project topics or Major Project topics in various Conferences, Seminar or Project Competitions. This activity helps in improving technical concepts with team building and also helps in improving communication skills required for presenting their ideas.For BE major projects students are asked to present papers in conferences or publish in journals.

8. **National level Project Competition:** Smart India Hackathon is a nationwide initiative to provide students with a platform to solve some of the pressing problems we face in our daily lives, and thus inculcate a culture of product innovation and a mindset of problem-solving. Smart India Hackathon is very rightly put up as INNOVATION UNLOCKS VALUE for every participation every year. The first three editions SIH2017, SIH2018 and SIH2019 proved to be extremely successful in promoting innovation out-of-the-box thinking in young minds, especially engineering students from across India. Our students have been participating every year not only in the Software Hackathon but also were a major part of the team for Hardware hackathon last year.

Hardware hackathon 2019-20

9. **MIND MAPPING(Chart making):** A mind map is a diagram used to visually organize information. Beyond just note-taking, mind maps can help students to become more creative, remember more, and solve problems more effectively. Students are able to memorize the concept by seeing images and formulas. This was conducted for CSS in TE.

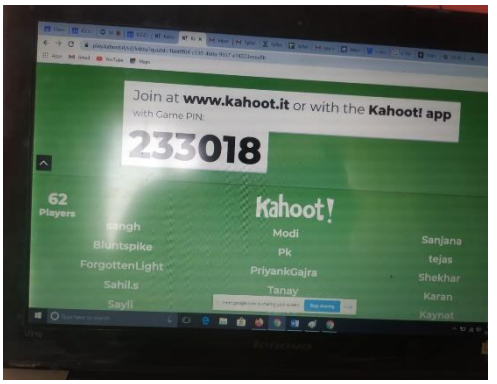


TE Sem VI CSS 2018-19

10. **Mini-Projects**: Mini projects give engineering students the opportunity to explore the latest technologies, and utilization of mini projects to learn new concepts practically. It helps students to learn team-building and communication skills.


Mini projects for COA Sem IV 2019-20

11. **Kahoot quiz**:Kahoot! is a game-based learning platform, used as educational technology in schools and colleges. Its learning games, "kahoots", are user-generated multiple choice quizzes .It is used for interesting online quiz conduction. Students feels it interesting as they can see the scores and colorful GUI.

SE SEM III DS 2019-20

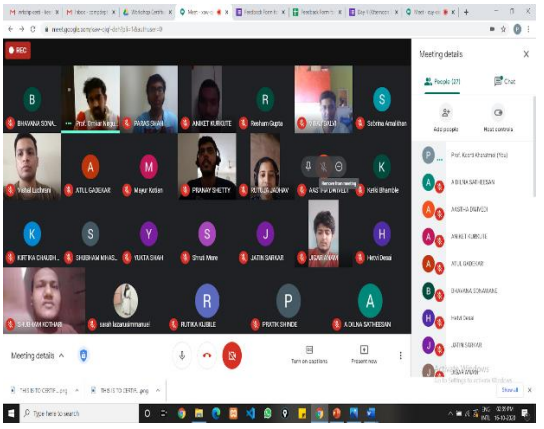
12. **Use of digital platform:** All the faculty members got the opportunity to explore the use of new digital technologies such as Google classroom, zoom, and Google meet. The faculty members conducted lectures and practiced using these platforms. Most of the faculty members conducted laboratory experiments using virtual labs, online tools, and simulators. Study material such as PPTs, notes, e-books, video lectures are made available on Google classroom as well as MOODLE.

13. **Workshops:** The most basic ingredient that identifies you as an engineer is the knowledge in your field of study. Technical workshop plays a very important role for every Engineering student. To get the latest technologies in the Technical workshops that are not

provided by the curriculum and to bridge the gap created between the latest technologies, colleges and students, it is the department initiative. Participating in these Technical workshops for the students is like adding salt and pepper for their working capabilities.

Sem V CN 2018-19

14. **Value added courses:** To bridge the gap between the academic and industry need, Value Added Courses (VAC) are conducted regularly in our College. These courses are conducted by our faculties undergone certifications or professional training or also by industry experts It helps students stand apart from the rest in the job market by adding further value to their resume.



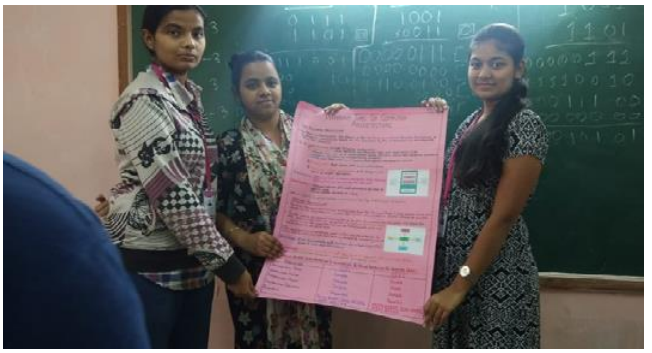
TE & BE all branches 2010-21 odd sem

15. **Industrial visit:** Main aim of industrial visit is to provide an exposure to students about practical working environment. They also provide students a good opportunity to gain full awareness about industrial practices. Through industrial visit students get awareness about new technologies. Along with the opportunity to see latest technology used by industry, it

also helps students to enhance interpersonal skill and communication techniques and prepare them for their future.


TE Sem V MMFSL SE

16. **Infographics:** It aids students in organizing information in a logical way. Infographic creation helps meet tech literacy standards. The process of making infographics helps students improve their research chops and find trustworthy sources of information. It helps students exhibit their understanding of a subject in different ways.



SE COA Sem IV 2018-19

17. **Seminars:** The objective of conducting seminar is to make students aware of recent advancement in the subject or about topics related but not included in curriculum. Sometimes further technological advancement in various fields is also discussed in seminars as per the topics chosen or allotted. All other students in the class will be introduced to various new techniques and field problems which may be useful in enriching knowledge and innovative ideas.

TE SEM V MP 2018-19

18. **Expert Lecture:** The objective of expert lectures is to explore particular subject with interaction with industry experts. Expert session provide platform to students to express their views, ask questions and resolve their queries. Students get to see the insight and perspective of the guest speaker's particular field. One important benefit that is derived from having a Industrial Experts as Speaker is students get to understand how the core subject knowledge is used in the industry from the people working there.

SE SEM III DS 2018-19

19. **Swot analysis and team building:** In SWOT analysis, students need to write their strength and weaknesses on a piece of paper. Students who are good friends come up in a group on a stage and tell something about his/her friend. Try to match with written paper. Team Building teaches us Teamwork and boosting team performance, Competition, Celebration, Team Spirit, Fun, Motivation, Collaboration, Communication and working better together.

TE SEM VI SE 2018-19