



**VASAVI COLLEGE OF ENGINEERING(AUTONOMOUS)
IBRAHIMBAGH, HYDERABAD-31**

DEPARTMENT OF INFORMATION TECHNOLOGY

Academic Activities carried out during COVID-19 Pandemic period

The COVID-19 pandemic has caused major disruption to people in various ways. During the prevailing pandemic situation with everyone staying at home to stay safe, the college has taken up a lot of initiatives towards training students.

1) Online classes

- Faculty members of the department took up the challenge of conducting online classes with a very positive spirit. They have been conducting online classes for students since April, 2020 very successfully.
- Students have also welcomed this change in teaching methodology and the aids used in conducting online classes. Attendance of the students has also been consistently good.
- Faculty members used CISCO WebEx platform for conducting online classes for II, IV, VI and VIII Semester students for the academic year 2019-2020.
- For I, III, V and VII semesters of academic year 2020-2021, all faculty members started using Microsoft Teams, as it also had an integrated LMS along with other features for conducting online classes.
- Though some of the students faced certain challenges like network issues, low bandwidth, lack of a proper device to attend online classes, students ensured that they acquired the required resources to regularly attend the online sessions.

2) Virtual Laboratory Sessions

- Apart from conducting online theory classes, lab sessions were also conducted for the students using the concept of “Virtual Labs”.
- Virtual Laboratories were conducted with the Linux and Database Servers hosted on Cloud service provided by M/s. CtrlS.
- Virtual Laboratory sessions were conducted for students of II, IV and VI semesters in the following courses – Python Programming, Basic Electronics,



Database Management Systems, Design and Analysis of Algorithms, Software Engineering, Machine Learning, Embedded Systems and Web Technologies.

3) Online Campus Recruitment Training

- A 4-week online Campus Recruitment Training(CRT) was conducted for the students in two phases i.e., Phase-I from 10-04-2020 to 16-04-2020(1-week) and Phase-II from 26-05-2020 to 15-06-2020 (3-weeks), to prepare them for Campus Recruitments which started in August, 2020.
- The CRT sessions this year included:
 - Interactive live classes, hands-on practical sessions & mentoring support.
 - Top industry recruitment test papers and interview patterns.
 - Weekend tests to ensure sufficient practice.
 - Online Live Sessions for Employability assessments like Mettl, eLitmus, CoCubes, etc.
 - 24x7 Access to the LMS of our college training partner M/s. Talent Sprint Private Limited.
 - Access to Online Chat and Discussion Rooms.
 - Personalized and detailed individual student feedback after GD's, Mock Interviews and Tests.
 - Resume Preparation and LinkedIn profile creation session.
 - Recordings of the Sessions/Classes.
 - Weekly Instructor led LIVE Problem Solving Sessions.
 - Online Assessments.
 - Weekly Mock Tests.
 - Model Question Papers and solutions for top IT/ITES Company Selection Tests being provided to students.
 - Preparation for Virtual Recruitment processes.
- In addition to the above, a 3-week online CRT Refresher Course was also conducted in July, 2020, to provide much needed practice to the students before the Campus Recruitment Season started.



CV & LinkedIn Profile Creation- 26th May

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INTERVIEW
PERSPECTIVE-
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THEM??**

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6. Find the **last two non-zero digits** of $25!$

A. 75
B. 94
C. 84
D. 64

$5! = 1 \times 2 \times 3 \times 4 \times 5$
 $12 \times 10 = 5^1 \times 2^1 \times 12 \times 1!$

$10! = 1 \times 2 \times 3 \times 4 \times 5 \times 6 \times 7 \times 8 \times 9 \times 10$
 $5 \times 10 \times (1 \times 2 \times 3 \times 4) \times (6 \times 7 \times 8 \times 9)$
 $5 \times 1 \times 5 \times 2 \times 2 \times 3 \times 7 \times 8 \times 9$
 $5^2 \times 2! \times (2 \times 12) \times (2 \times 7 \times 8 \times 9)$

21
72
42
72

100%
Speed 1.50x

Reading Comprehension- 27th May

Sections in Verbal Ability

- Fill in the blanks
- Jumbled Sentences
- Para Jumbles
- Reading Comprehension
- Spot the error
- Direct & Indirect speech
- Active & Passive Voice
- Vocabulary Questions
- Essay Writing

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1:14 / 1:59:25 Speed 1.50x

*** Online Campus Recruitment Training**



4) Online Technical Skills Training

- An online 16-day Technical Skills(Coding) training was conducted for the students from 01-05-2020 to 16-05-2020.
- Training sessions were conducted on the topics:
 - Dynamic Programming
 - Graphs
 - Backtracking
 - Operating Systems
 - Computer Networks
 - Object Oriented Programming
 - Java, and,
 - Databases
- The theory sessions were supplemented with online practice sessions provided to the students. The students practiced scenario-based case studies during these sessions.
- During these two weeks, students were also provided with doubt clarification sessions on Saturday's to clarify their doubts, if any, in the concepts discussed that week.
- After the two weeks of training, a proctored online coding test was conducted for the students and the solutions of the test were put through a Plagiarism check.
- Starting from 23-05-2020, mock coding tests were conducted on every Saturday. These tests continued up to August 2020.
- During the first week of August 2020, students were provided with links of online resources for practicing.
- A one-week online Technical Skills training on Industry Standard Coding Practices in Data Structures and Algorithms was conducted for the V Semester students from 02nd Nov 2020 to 07th Nov 2020. During these training sessions, students went through 3 hours of online classes and 3 hours of online practice sessions.

5) Online Continuous Internal Evaluation(CIE)

- Continuous Internal Evaluation (CIE) involves assessing the students through 3 quiz examinations, 3 assignments and 2 internal examinations. Quiz and Internal assessments were conducted online for II, IV, VI and VIII semesters

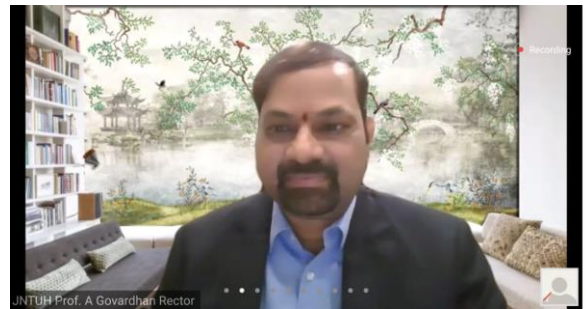


(2019-2020) using Google Forms. Students submitted their assignments by email to the respective family members.

6) Online International Conference

- An International Conference on Computational Intelligence and Data Engineering - ICCIDE-2020 was conducted by the department on 8th and 9th August, 2020.
- The conference was conceived as a forum for presenting and exchanging ideas and results of researchers from academia and industry on a common platform and help them develop a comprehensive understanding of the challenges of technological advancements from different viewpoints.
- The topics of the conference included Collective Intelligence, Intelligent Transportation Systems, Fuzzy Systems, Bayesian Networks, Ant Colony Optimization, Data Privacy and Security, Data Mining, Data Warehousing, Big Data Analytics, Cloud Computing, Natural Language Processing, Swarm Intelligence and Speech Processing.
- 150 papers were received in the themes mentioned above. Each paper was reviewed by three reviewers. 51 best papers were shortlisted out of which 38 camera ready papers were submitted and presented.
- All accepted and registered papers were published in “Lecture Notes on Data Engineering and Communication Technologies (LNDECT)” series of Springer. Indexing - the books of this series are submitted to SCOPUS, ISI Proceedings, MetaPress, Springerlink and DBLP.
- Following are the list of speakers:

Dr.Maode Ma	Professor, School of Electrical & Electronic Engineering Nanyang Technological University, Singapore
Dr. Giuseppe Di Fatta	Head of the Department of Computer Science University of Reading, London
Prof.RajkumarBuyya	Professor, School of Computing and IS University of Melbourne, Australia
Dr. NabenduChaki	Professor, Department of Computer Science & Engineering Calcutta University
ANINDA BOSE	Senior Publishing Editor Springer Nature



***International Conference – Chief Guest, Guests of Honour and Speakers**



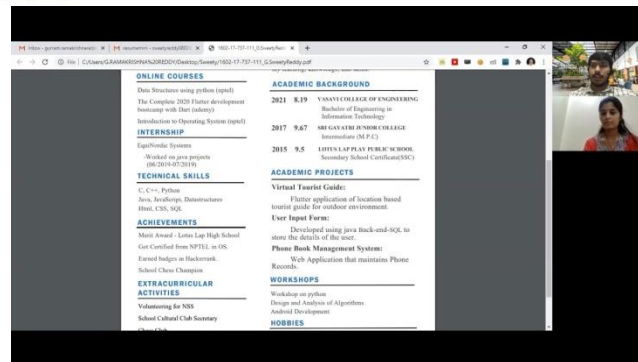
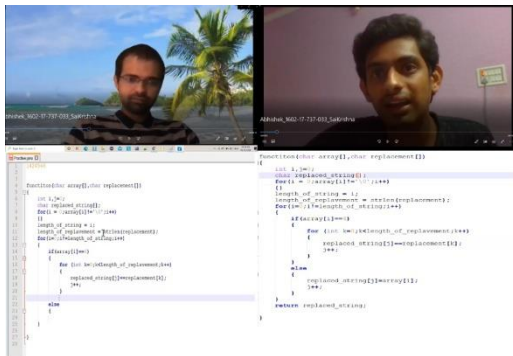
***International Conference – Inaugural Session**

7) MOOCs Courses on Coursera

- Faculty members and students of the department enrolled and completed MOOCs(Massive Open Online Courses) through Coursera.
- 252 students of the department completed different courses offered by Coursera.

8) Alumni Contributions

- A few students of the department had challenges in attending online classes , due to lack of a computer system. In this context, Alumni of the department contributed by sponsoring laptops for needy students.
- Alumni also took the initiative of conducting Mock Technical Interviews for students of the department appearing for Campus Recruitment Processes. Students felt that these Mock interviews for immensely helpful for them in facing the Technical Interview rounds of recruiting companies.



***Mock Technical Interviews conducted by Alumni**

9) Mentor-Mentee Interactions

- Each Faculty member of the department is a mentor to about 20 students of the department.
- As part of the Mentor-Mentee interactions, faculty members interacted with students and parents, frequently, to ensure that the students attended the online classes regularly and were serious about their academics.

10) Online Faculty Development Programmes

- Faculty members of the department attended online Faculty Development Programmes conducted by reputed institutions across India, to update themselves on the latest concepts in their respective areas of interest and specialization.

11) Online classes by Adjunct Professors

- The department has 3 Adjunct Professors. They are highly experienced Subject Experts working in the Industry.
- The Adjunct Professors of the department conducted online classes every Saturday. As part of these sessions, topics from the syllabus and also beyond the syllabus were covered, for the advantage of the students.

12) Online BoS meeting

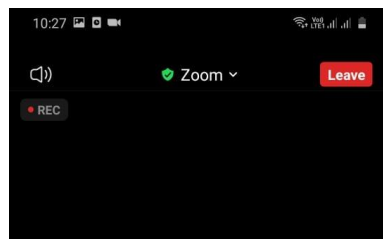
- The Board of Studies (BoS) meeting for the academic year 2020-2021 was conducted online on 29-07-2020, from 10:00AM onwards using the Zoom platform.



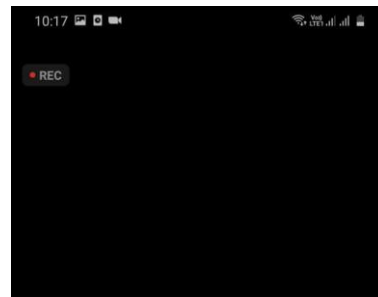
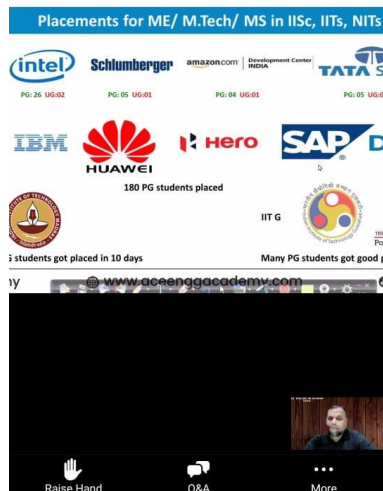
- Subject experts from Osmania University, University of Hyderabad, IIT Hyderabad, industry experts from ADRIN and Microsoft, and an alumna of the department working with Teradata Corporation attended the meeting.
- Subject experts discussed about curricular aspects of the department and gave their valuable suggestions.

13) Online Career Counseling sessions

- Career Guidance sessions were conducted for the III and V Semester (2020-2021) students. The sessions were conducted in the following areas :
 - Post Graduation in India and Abroad
 - GATE examination coaching, prospects in PSUs and admissions in higher education institutes of repute
 - Job opportunities in IT
 - Prospects and preparation for job opportunities in IT product companies
 - Prospects and preparation for MBA



GATE – Direct Opportunities



University Exam Vs. Competitive Exam



***Career Counseling session on Higher Studies Opportunities through GATE examination**