

Department of Computer Science & Engineering

SRMSCET, Bareilly

Innovations by the Faculty in Teaching and Learning

1. Dr. Prabhakar Gupta

- a. Prepared 18 PPTs of 3 Units of the subject Soft Computing.
- b. Prepared 18 Video Lectures of 40 minutes of the Subject Soft Computing.

2. Dr. Laxmi Shanker Maurya

- a. Prepared 24 PPTs of 2 Units each of the subjects Agile Software Development and Programming for Problem Solving.
- b. Prepared 24 Video Lectures of 40 minutes of the Subjects Agile Software Development and Programming for Problem Solving.
- c. Created YouTube Channel for uploading Video Lectures on the link https://www.youtube.com/channel/UCpXn5x1Ij6_-B31jt9cmYmg
- d. Conducted Online Classes through Google Meet in odd semester 2020-21 of the subjects Python programming and Agile Software Development.
- e. Created Google Classroom for Assignments and taking Online test of the students.
- f. Given Real Life Examples and discussed Case Study in the subject Artificial Intelligence for Engineers.

3. Dr. Avijit Bhowmick

- a. Prepared 24 PPT's of Application of Soft Computing and Values, Relationship and Ethical Human Conduct.
- b. Prepared 24 Video Lectures of 40 minutes of the Subjects Application of Soft Computing and Values, Relationship and Ethical Human Conduct.
- c. Created YouTube Channel for uploading Video Lectures for the subject Values, Relationship and Ethical Human conduct.
<https://www.youtube.com/user/avijitbhowmick>.

4. Mr. Shahjahan Ali

- a. Prepared PPT's of subjects taught.
- b. Prepared video lectures of 40 minutes of the subjects taught.
- c. Created YouTube channel for uploading video lectures.
- d. Conduct of online classes through Google Meet.
- e. Real life examples discussion.
- f. Subject related applications discussed based on research articles.

5. Mr Amit Karmakar

- a. Prepared PPT's of subjects taught.
- b. Prepared video lectures of 40 minutes of the subjects taught.
- c. Created YouTube channel for uploading video lectures.
- d. Conduct of online classes through Google Meet.
- e. Real life examples discussion.
- f. Subject related applications discussed based on research articles.

6. Mr. Ashish Agrawal

- a. Prepared PPT's of subjects- Unit wise PowerPoint presentations of the subjects like Programming for problem solving, computer networks were created to help the students to understand the concepts in a better way.
- b. YouTube Channel for uploading Video Lectures-
https://www.youtube.com/channel/UCEv_vREt8ZrzL0BIjSLS8Vw/playlists
- c. Google Classroom- Two Google classrooms were created as per the subjects. Through Google classrooms, notes and assignments were shared.
- d. Real Life Examples and Case Study Discussions-Subject discussion along with various real life examples and case studies so that students can learn the real life implementations of the concepts they study.
- e. Subject related application area discussion based on research articles- Discussion of various subject topics with latest research papers like- Chinagolum Ituma, Iwok, Sunday Obot And James, G. G, "Implementation Of An Optimized Packet Switching Parameters In Wireless Communication Networks", International Journal Of Scientific & Engineering Research Volume 11, Issue 1, January-2020 58 ISSN 2229-5518

7. Mr. Manoj Kumar

- a. Prepared PPTs of Subject DBMS and Agile Software Development.
- b. Prepared Videos Lecture of Subject DBMS and Image Processing.
- c. Conduct online class of DBMS and Agile Software Development through Google Meet.

8. Ms. Anubha Dhaka

- a. Prepared PPT's of subjects:
 - Compiler Design,
 - Distributed System,
 - Computer System Security.
- b. Prepared Video Lectures of 40 minutes of the Subjects:
 - Distributed System,
 - Computer System Security.
- c. Created Youtube Channel for uploading Video Lectures.
- d. Conduct of Online Classes through Google Meet.
- e. Creation of Google Classroom for Assignments and taking online test.
- f. Real Life Examples and Case Study Discussions.
- g. Subject related application area discussion based on research articles.

9. Ms. Roshni Kapoor

- a. Prepared PPT's of Computer System Security.
- b. Prepared Video Lectures of 40 minutes of the Computer System Security
- c. Conduct of Online Classes through Google Meet.
- d. Creation of Google Classroom for Assignments and taking Online test.
- e. Real Life Examples and Case Study Discussions.
- f. CSS related application area discussed based on research articles.

10. Mr. Kapil Bhushan

During Lockdown and in this COVID pandemic, the innovative techniques are used for teaching

- a. PPTs of Introduction to microprocessor and computer architecture & organization are prepared for students.
- b. Video lectures of 40 minutes duration of respective subject are also recorded: 5 lectures of Introduction to microprocessor and 10 lectures of Computer architecture & organization had been recorded.
- c. Online classes had been scheduled through Google meet for students (3 lectures per week & 1 lecture per week for lab).
- d. Online classroom had been created through Google classroom for smooth communication, sharing notifications and assignments with student through lockdown.
- e. Youtube channel is created for uploading the recorded lectures.
- f. Real life project titles and areas has been discussed with students as Social Distancing and MaskDetector etc.

11. Mr. Hiresh Kumar Gupta

- a. Prepared PPT of Artificial Intelligence, Theory of Automata and Formal Languages and Programming for Problem Solving.
- b. Prepared Video Lectures of 40 minutes of the Artificial Intelligence, Theory of Automata and Formal Languages and Programming for Problem Solving.
- c. Created YouTube Channel for uploading some Video Lectures related to subject.
- d. Conduct of Online Classes through Google Meet.
- e. Creation of Google Classroom for Assignments, Subject Notes and taking Online test.
- f. Subject related application area discussion based on research articles.

12. Md. Shadab Hussain

- a. Prepared 36 PPTs of the subjects Web Technology and Computer Graphics.
- b. Prepared 36 Video Lectures of 40 minutes of the subjects Web Technology and Computer Graphics.
- c. Created YouTube Channel for uploading Video Lectures on the link.
<https://www.youtube.com/channel/UCAVmrbJIWus3aQdzoDItpCA>
- d. Conducted Online Classes through Google Meet in odd semester 2020-21 of the subjects Web Technology and Computer Graphics.
- e. Created Google Classroom for Assignments and taking online test of the students.

13. Ms. Meenakshi Pathak

- a. Due to COVID-19 pandemic online classes were conducted through Google meet, so for the convenience of students I had prepared lecture wise PPT's of Data Structure [KCS-301] subject taught in 3rd Semester for session 2020-21.
- b. I had prepared Video Lecture of 40 minutes each, covering all five units of the Data Structure [KCS-301] Subject.
- c. Conduct of Online Classes through Google Meet.
- d. I had used Real Life Examples and Case Study Discussions to create students interest in the subject.
- e. I had discussed research articles also.

14. Mr. Sachin Kumar Saxena

- a. Prepared PPT's of subjects taught.
- b. Prepared Video Lectures of 40 minutes of the Subjects taught.
- c. Created YouTube Channel for uploading Video Lectures.
- d. Conduct of Online Classes through Google Meet.
- e. Creation of Google Classroom for Assignments and taking Online test.
- f. Real Life Examples and Case Study Discussions.
- g. Subject related application area discussion based on research articles.

15. Ms. Neha Sharma

- a. During Lockdown and in this COVID pandemic, the innovative techniques are used for teaching:
- b. PPTs of computer applications, python programming and machine learning techniques are prepared for students.
- c. Video lectures of 40 minutes duration of respective subjects are also recorded: 6 lectures of CAP, 6 lectures of PYTHON and 12 lectures of MLT had been recorded.
- d. Online classes had been scheduled through Google meet for students (3 classes per week per subject).
- e. Online classroom had been created through Google classroom for smooth communication, sharing notifications and assignments with student through lockdown.
- f. YouTube channel is created for uploading the recorded lectures.
- g. Real life project titles and areas has been discussed with students as COVID Detector or Activity Tracer etc.

16. Ms. Shruti Agarwal

- a. PPTs of data warehousing and data mining are prepared for students.
- b. Video lectures of 40 minutes duration of respective subject are also recorded: 12 lectures of data warehousing and data mining and 18 lectures of cloud computing had been recorded.
- c. Online classes had been scheduled through Google meet for students (3 lectures per week).
- d. Online classroom had been created through Google classroom for smooth communication, sharing notifications and assignments with student through lockdown.
- e. YouTube channel is created for uploading the recorded lectures.
- f. Real life project titles and areas has been discussed with students as Social Distancing and Mask Detector etc.

17. Mr. Pradeep Kumar

- a. Prepared PPT's of subject taught.
- b. Prepared video lectures of 40 minutes of the subjects taught.
- c. Conduct of online classes through Google Meet.
- d. Real life example and case study discussions.
- e. Subject related application area discussion based on research article.

18. Mr. Saurabh Banerjee

- a. Conducted Online Classes through Google Meet.
- b. Prepared Video Lectures of 40 minutes of the subjects taught in college.

19. Mr. Satish Singh Mekale

- a. I have taken DAA and Python Programming.
- b. I have video Lecture on DAA and Python Programming.
- c. I have taken online Google meet lecture on DAA and Python Programming.
- d. I have discussed so many real life problem with students.
- e. I have discussed research area domain with respect to algorithm importance in Research.

20. Mr. Beerbal Solanki

- a. Prepared PPT's of subjects taught.
 - Agile software and development
- b. Prepared Video Lectures of 40 minutes of the Subjects taught.
 - Agile software and development
- c. Created YouTube Channel for uploading Video Lectures.
<https://www.youtube.com/channel/UCk6KrTGZPOYMZa3Si6kjY3>
- d. Conduct of Online Classes through Google Meet.-During covid -19 , I taught through Google Meet
- e. Creation of Google Classroom for Assignments and taking online test.
- f. Real Life Examples and Case Study Discussions.
- g. Subject related application area discussion based on research articles.

21. Mr. Lalit Kumar Narayan

- a. Prepared PPT's of subjects taught.
 - Python Programming
- b. Prepared Video Lectures of 40 minutes of the Subjects taught.
 - Python Programming
- c. Conduct of Online Classes through Google Meet.
 - Used Google meet to teach in online mode during Covid-19 pandemic.
- d. Creation of Google Classroom for Assignments and taking online test.
- e. Real Life Examples and Case Study Discussions.
- f. Subject related application area discussion based on research articles.