



**Bhoj Reddy Engineering College for Women**

(Sponsored by Sangam Laxmibai Vidyapeet, Approved by AICTE and Affiliated to JNTUH)  
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# Pragathi-2021

Volume 3, Issue 1

Department of  
Computer Science and Engineering



# Newsletter

January – June 2021

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## Vision & Mission



### Vision

- To become a center of excellence in the field of Computer Science and Engineers.
- To produce competent, confident, innovative and socially responsible engineers with an ability to serve the society.

### Mission

- To impart high quality professional training at the undergraduate level with an emphasis on basic principles of Computer Science and Engineering.
- To pass on moral qualities and ethical values to the students.
- To empower the students with the required skills to solve technical problems of modern society.
- To make learning process exciting, simulating, interesting and exposing students to broad research areas.

## Career Enhancement Programme

BRECW has conducted a career Enhancement Talk on “Placement Preparation-Pandemic Opportunity” for III CSE- A & B students on 9 April 2021 through Online mode. The resource person Mr Praveen Pantula, discussed strategies for placement preparation. He briefed about the Career Opportunities in B Tech and also shared experiences on various industries and role of higher education.

The speaker started the session by stating “Self learning is the Best Learning” as the students are just about to start their professional career journey, however this pandemic has made things quite unusual and difficult for them. The companies are switching from the offline recruitment process to the online process, searching for candidates with better learning agility, adopting automation, Artificial Intelligence, and other trending technologies.

### A Webinar on Placement Preparation- Pandemic Opportunity



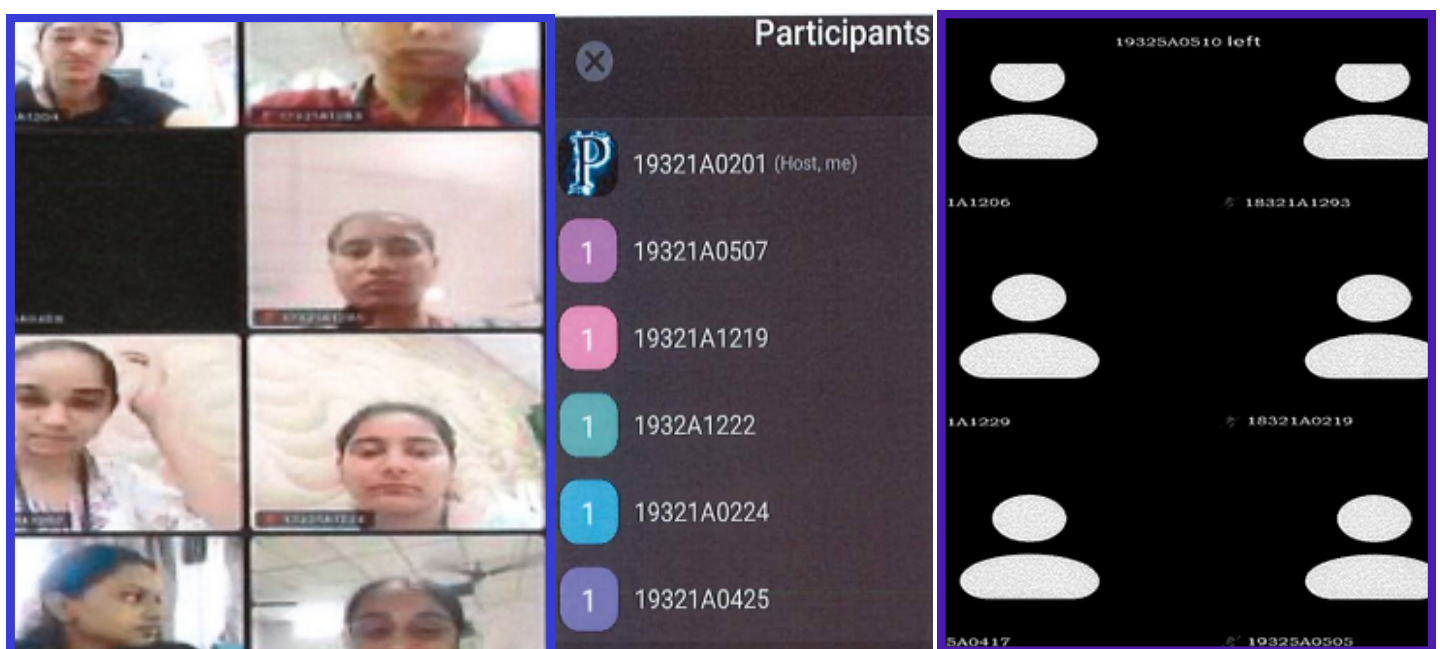
**Students attended the Webinar Session**

## Career Enhancement Programme

Training and Placement Cell committee organised a webinar on “Corporate Expectations” on 2 April 2021, for IV CSE- A & B students. Our Faculty M Vineela, Associate Professor, CSE department, extended welcome note to the participants.



Mr B Seshu, explained the multiple career options in both public and private sectors (Banks, financial institutions, corporate houses and government departments). He emphasized that to entrepreneurship is the best career option to create employment for showing one’s innovative and creative skills and for contributing to our GDP.



**Students attended the Webinar Session**

## Webinar

The CSE Department organized a webinar session on 'Bigdata Analytics' on 24 September 2021, for the students of IV CSE-A & B. Dr. C Srinivas, Associate Professor from the CSE Department at AITS, Hyderabad, was the speaker. The session primarily focused on the basics of Bigdata Analytics and usage, along with other related concepts.

### A Webinar on Bigdata Analytics

#### BIG DATA & ANALYTICS

Business Intelligence

Big data visualization

Big Data Analytics services

Database management

**Data Analytics Process**

01 Deployment

02 Business Understanding

03 Data Exploration

04 Data Preparation

05 Data Modeling

06 Data Evaluation

#### Big Data Analytics

COLLECTION

STORAGE

NETWORK

CLOUD TECHNOLOGY

BIG DATA

RESEARCH

ANALYSIS

VISUALIZATION

VOLUME

EXABYTE

Students attended the Webinar Session

# Webinar

The CSE Department organized a webinar on 'Machine Learning Concepts' for the students of III CSE-A & B on 24 September 2021. The session was led by Dr. D. Mahesh, Associate Professor from the CSE Department at SNITS, Hyderabad. The webinar covered the fundamentals of Big Data Analytics and its applications, along with other related concepts.

## A Webinar on Machine Learning

The collage features several key elements:

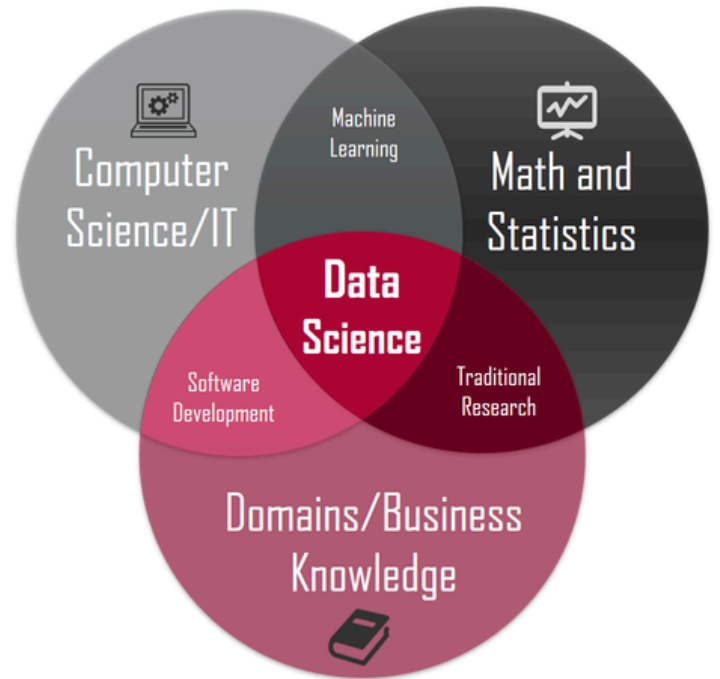
- Machine Learning Hub:** A central diagram with 'Machine Learning' at the center, branching into 'Unsupervised Learning' (Clustering, Association, Recommendation Systems), 'Supervised Learning' (Classification, Regression, Prediction), and 'Reinforcement Learning' (Game AI, Self-Adaptation, Robot Navigation).
- Machine Learning Types:** A diagram showing 'Machine Learning' branching into 'Unsupervised Learning' (scatter plot), 'Supervised Learning' (decision boundary), and 'Reinforcement Learning' (agent-environment interaction).
- Machine Learning Life Cycle:** A flowchart showing the process from 'Collecting Data' to 'Model Deployment', including steps like 'Data Preprocessing', 'Model Training', and 'Model Evaluation'.
- Student Video Feeds:** A grid of 12 small video windows showing various students participating in the webinar.
- Machine Learning & AI Projects/Programs:** A diagram illustrating the transition from an 'Ordinary System' to a system 'With AI' and 'Machine Learning', which 'Learns', 'Predicts', and 'Improves' performance.
- Chat Window:** A screenshot of a chat interface with a list of participants and messages.

Students engaged actively in the webinar session

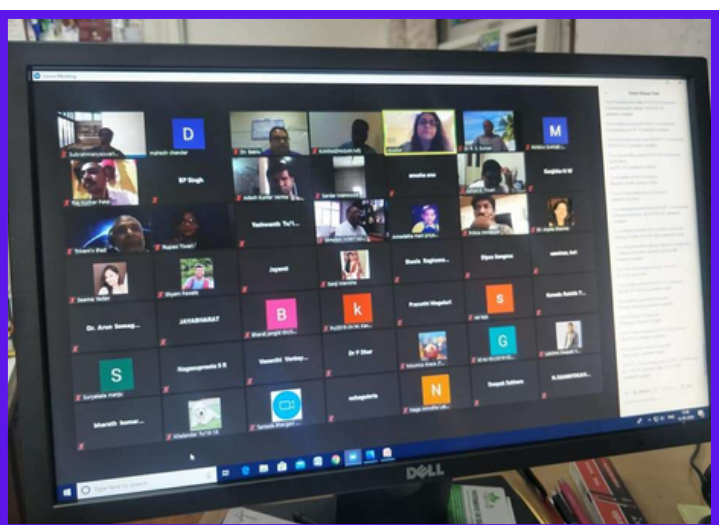
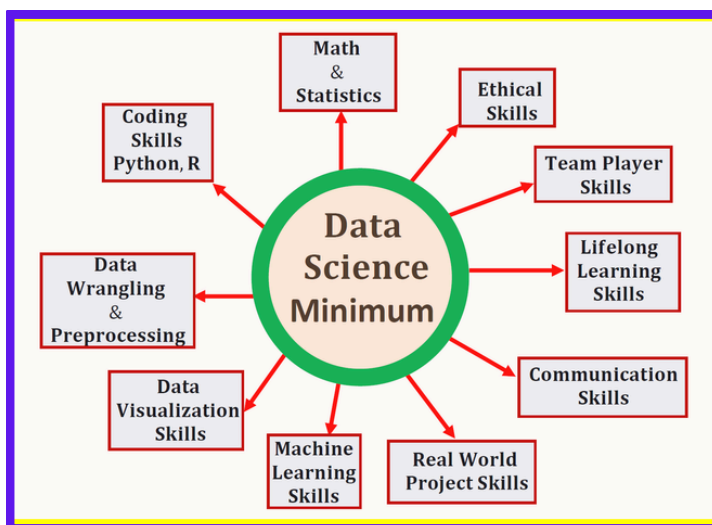
# Webinar

The CSE Department conducted a webinar session titled 'Data Science' on 20 September 2021, for the students of II CSE-A & B. Dr. S. Sravanthi, Associate Professor from the CSE Department at MVSR, Hyderabad, served as the speaker. The session primarily explored fundamental aspects of Data Science and its wide-ranging applications, alongside other related concepts.

## A Webinar on Data Science



## Data Science Life Cycle Models



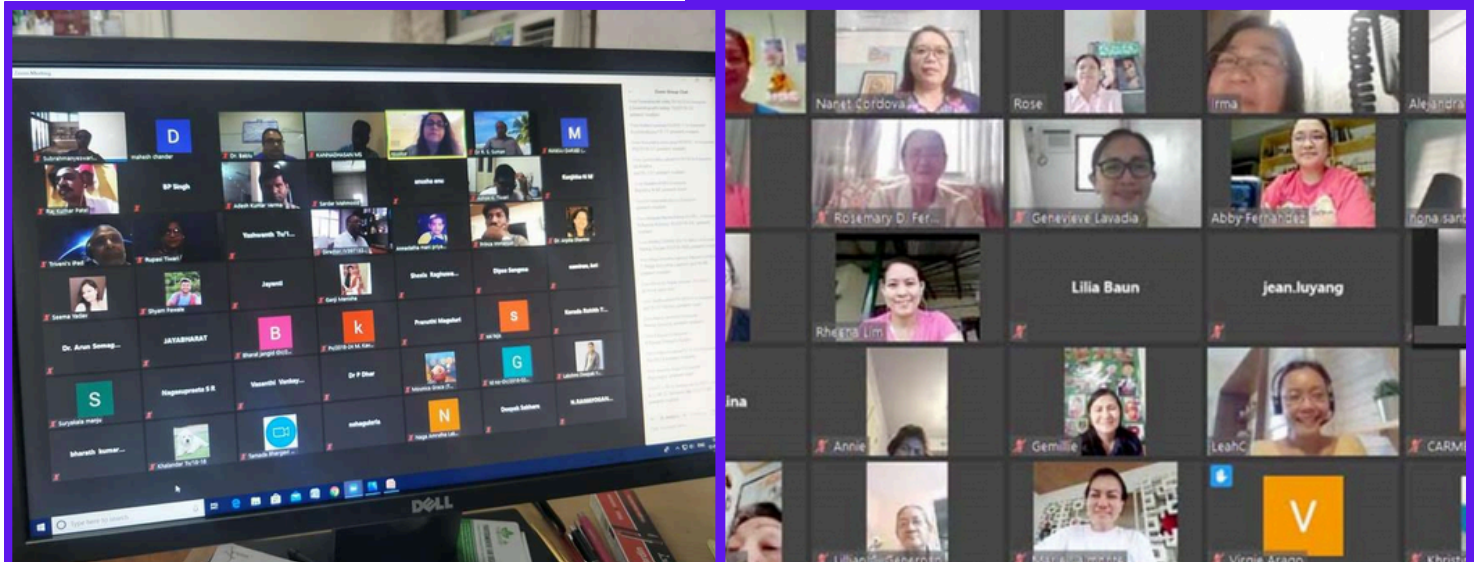
Students enthusiastically participated in the webinar session.

## NSS Activities

College has organised an Awareness Programme on “Mental Health” on 12 January 2021, through online mode for the I CSE - A & B Students. The Programme started with welcome speech by Ms Bhavana Srirangam, Director, Bright Side Foundation and Organisational Psychologist.

Millions of people are impacted annually by this grave problem. The speaker went on to talk about the Invisible Battle of an Anxiety Disorder. It is a persistent mental health condition that causes people to feel intense fear, worry or anxiety. The speaker gave an insight into decoding the symptoms such as Sleeplessness, Social Withdrawal, Specific Phobias, Sweating, Trembling etc.

### Banner



**Staff and Students attended the Webinar Session on “Mental Health”**