



Bhoj Reddy Engineering College for Women

(Sponsored by Sangam Laxmibai Vidyapeet, Approved by AICTE and Affiliated to JNTUH)
Vinaynagar, IS Sadan Crossroads, Saidabad, Hyderabad-500 059, Telangana. www.brecw.ac.in

Pragathi - 2021

Volume 3, Issue 2

**Department of
Computer Science and Engineering**



NEWSLETTER

JULY - DECEMBER 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.

Workshop

CSE Department has organised a Two-day Workshop on “Machine Learning Using Python for III CSE-A & B Students on 23-24 November 2021, on collaboration with M/S Pantech e-Learning, Hyderabad. By this workshop, Students gained basic knowledge about Artificial Intelligence and Machine Learning, File Handling, Strings, Lists, Python Regular Expression and Data Types. This was resourceful workshop with practical exercises and worthwhile information.

Banner and Schedule



Bhuj Reddy Engineering College for Women
Department of Computer Science and Engineering

A Two-day Workshop for III B Tech, CSE Students
on
Machine Learning using Python

23-24 November 2021
Timings: 09:30 - 16:30 Hrs

Venue: CSE Lab-I (SB-111), CSE Lab-II (SB-114) and CSE Lab-III (SB-115)
Conducted by M/s Pantech e Learning, Hyderabad.

BHOJ REDDY ENGINEERING COLLEGE FOR WOMEN
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



**Two - day workshop on
MACHINE LEARNING USING
PYTHON**

SPEAKERS:
K.Kalyan Kumar - Pantech e Learning,
Hyderabad.
R.Divyanjali - Pantech e Learning,
Hyderabad

DATE	TIME	VENUE
23-11-2021	9:30 AM TO 4:30 PM	CSE LAB-1,2,3
24-11-2021		SB-111,114,115

SEMINAR & WORKSHOP
IN-CHARGE
P.SUMALATHA

HOD-CSE
N.SATYANANDAM

PRINCIPAL
J.MADHAVAN



III CSE A & B Students attended the Workshop

Career Enhancement Programme

Bhoj Reddy Engineering College for Women, Hyderabad has organised awareness Program on Higher Education and Diverse Opportunities in Abroad" on 15 December 2021. Our faculty M Vineela, Associate Professor, CSE department, extended welcome note to all the participants. The Resource Person Dr. James Henry Wayland Baptist university took over the session and created awareness among the students regarding Higher Education and Opportunities in abroad. In this programme, the resource person explained about the Meaning, Purpose, and Objectives of Higher Education.

The outcome of the program was to create awareness and encourage students who aspire to continue higher education in abroad. This Session helped to clarify the ambiguity of the students hoping to pursue higher education in abroad. Students gain academic benefits pertaining to personal growth, gaining of valuable life skills, strengthening the leadership skills, broadening the world view and advancement in career. All II, III B Tech CSH/ECE/EEE/IT students have attended the session and cleared the queries regarding their Higher Education and Opportunities in abroad. Training and Placement Officer Dr. Jayaram expressed his sincere gratitude and appreciation to the Speaker.

Banner and Schedule



S.no	Branches	Timings	Speaker name
1	CSE and IT	10:00AM to 11:00AM	Dr. James Henry Wayland Baptist university
2.	Break	11:30AM to 11:30AM	Break
3.	ECE and EEE	11:30AM to 12:30PM	Dr. James Henry Wayland Baptist university

Students deeply engaged in listening to Diverse opportunities for Higher studies in Abroad



Guest Lecture

Department of Computer Science and Engineering conducted a guest lecture on “Python Programming” for II CSE- A & B Students on 20 November 2021. Guest lecture was a good learning experience for the students. By the end of the lecture, students should have acquired a solid foundation in Python programming, enabling them to start building their own programs, exploring more advanced topics, and pursuing further learning opportunities in the field.

Banner

Python Programming

High level
General Purpose
Programming Language

Known For

- Simplicity
- Readability
- Versatility

Python Applications

- 01 Python Developer
- 02 Research Analyst
- 03 Data Scientist
- 04 Data Analyst
- 05 Software Developer
- 06 DevOps Engineer

Python

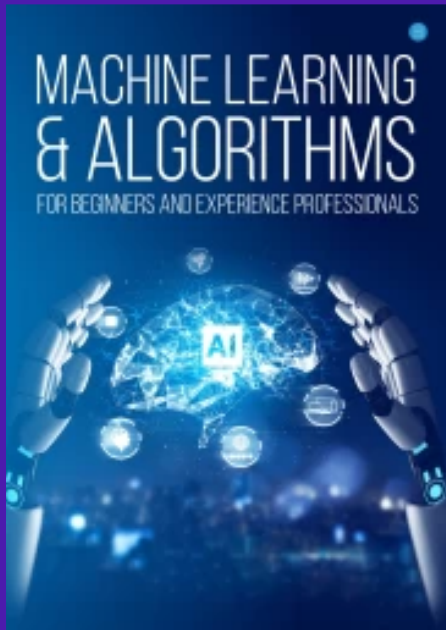
- Elegant syntax
- Simple
- Large and Standard Library
- Interactive Mode
- Embedded
- Code Anywhere

Students from classes II CSE A & B participated in a guest lecture.

Guest Lecture

Department of Computer Science and Engineering conducted a guest lecture on “Machine Learning Algorithms” for III CSE- A & B Students on 24 November 2021. Guest lecture was a good learning experience for the students.

Banner



MACHINE LEARNING & ALGORITHMS
FOR BEGINNERS AND EXPERIENCE PROFESSIONALS

Machine learning models and their training algorithms

Supervised learning	Unsupervised learning	Semi-supervised learning	Reinforcement learning
<p>Data scientists provide input, output and feedback to build model (as the definition).</p> <p>EXAMPLE ALGORITHMS:</p> <p>Linear regressions</p> <ul style="list-style-type: none"> • Sales forecasting. • Risk assessment. <p>Support vector machines</p> <ul style="list-style-type: none"> • Image classification. • Financial performance comparison. <p>Decision trees</p> <ul style="list-style-type: none"> • Predictive analytics. • Pricing. 	<p>Use deep learning to arrive at conclusions and patterns through unlabeled training data.</p> <p>EXAMPLE ALGORITHMS:</p> <p>Apriori</p> <ul style="list-style-type: none"> • Sales functions. • Word associations. • Searcher. <p>K-means clustering</p> <ul style="list-style-type: none"> • Performance monitoring. • Searcher intent. <p>Artificial neural networks</p> <ul style="list-style-type: none"> • Generate new, synthetic data. • Data mining and pattern recognition. 	<p>Builds a model through a mix of labeled and unlabeled data, a set of categories, suggestions and example labels.</p> <p>EXAMPLE ALGORITHMS:</p> <p>Generative adversarial networks</p> <ul style="list-style-type: none"> • Audio and video manipulation. • Data creation. <p>Self-trained Naïve Bayes classifier</p> <ul style="list-style-type: none"> • Natural language processing. 	<p>Self-interpreting but based on a system of rewards and punishments learned through trial and error, seeking maximum reward.</p> <p>EXAMPLE ALGORITHMS:</p> <p>Q-learning</p> <ul style="list-style-type: none"> • Policy creation. • Consumption reduction. <p>Model-based value estimation</p> <ul style="list-style-type: none"> • Linear tasks. • Estimating parameters.



Students from classes III CSE A & B participated in a guest lecture.

Guest Lecture

Department of Computer Science and Engineering conducted a guest lecture on “Cyber Forensics” for IV CSE- A & B Students on 20 September 2021. Guest lecture was a good learning experience for the students. By the end of the lecture, students should have acquired a solid foundation in Cyber Forensics, enabling them to start building their own programs, exploring more advanced topics, and pursuing further learning opportunities in the field.

Banner



GUEST LECTURE
On
Cyber Security: Integrating AI with Cyber Security

DATE
APRIL 03, 2023 - MONDAY

TIME
3:30 PM - 4:30 PM

zoom
Video Conferencing

ORGANIZED BY
Department of Computer Science and Engineering
SRM IST Delhi-NCR Campus, Ghaziabad

SPEAKER
Dr. Damodar Sahu
Director
Ecosystems and Partnerships
Growth Partners Wipro, USA



COMPUTER FORENSICS
Application of Computer Forensics

Intellectual Property Theft

Data Theft

Bankruptcy

Inappropriate Internet Use

Fraud

Forgery

Computer Forensics



COMPUTER OPERATIONS
Six Basic Computer Operations

Repeat a group of operations.

Perform arithmetic & manipulate text strings.

Receive (Input) data.

Store data in memory.

A computer can compare contents of 2 memory location & select one.

Output information (processed data).

Computer Operations







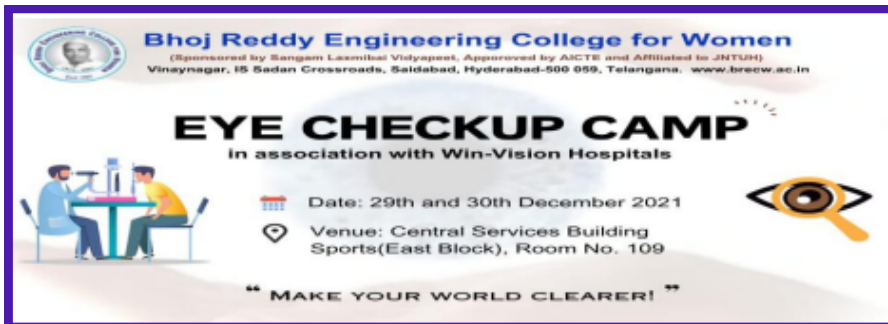
Hyderabad, Telangana, India
BRECW SEMINAR HALL, Hyderabad, Telangana
500063, India
Lat 17.383601°
Long 78.608361°
24/11/22 10:28 AM GMT +05:30

Students from classes IV CSE A and B participated in a guest lecture.

NSS Activities

The NSS Committee of our college, in collaboration with Win Vision Eye Hospitals, organized a free Eye Checkup Camp on 29-30 December 2021. The camp provided comprehensive eye examinations to students, faculty, and staff, aiming to promote eye health and early detection of potential vision problems.

Banner and Schedule



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EYE CHECKUP CAMP
 In association with Win-Vision Hospitals

Date: 29th and 30th December 2021
 Venue: Central Services Building Sports(East Block), Room No. 109

“ MAKE YOUR WORLD CLEARER! ”



S.No	Branch	Date & Timings	Venue
1	2	3	4
1	IB Tech CSE and IT	29 December 2021 9:30 AM to 04:00 PM	Room no 109 (East Block)
2	IB Tech ECE and EEE	30 December 2021 9:30 AM to 04:00 PM	



FREE EYE TEST CAMP

Experienced ophthalmologists and optometrists from Win Vision Eye Hospitals has consistently stood by the college as a supportive partner, extending a helping hand in initiatives to enhance eye health of the students in various educational institutes. Their proactive involvement in organising free eye check-up camps reflects their dedication to serving the community.



Staff and Students Participated in Eye Checkup Camp