



# Bhoj Reddy Engineering College for Women

(Sponsored by Sangam Laxmibai Vidyapeet, Accredited by NAAC with A Grade, Approved by AICTE and Affiliated to JNTUH)  
Vinaynagar, IS Sadan Crossroads, Saidabad, Hyderabad – 500 059, Telangana. [www.brecw.ac.in](http://www.brecw.ac.in)



17 March 2026

## Report on two-day workshop on “Generative AI”

CSM Department has organized a two-day workshop on “Generative AI” for III BTech CSM students on 13-16 March 2026. 68 (III CSM) students got registered. The workshop was scheduled from 09:30 to 16:30 Hrs.



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### Department of Computer Science and Engineering (AI&ML)

Organizing

#### A Two-day Workshop on

# Generative AI

In Collaboration with Pantech Solutions Pvt.Ltd, Hyderabad

### For III BTech CSM Students

Date : 12-13 March 2026

Time : 09:30Hrs to 16:30 Hrs

Venue: CSM LAB -NB 303,304

Figure 1 : Banner

Schedule:

### Workshop Schedule

S No	Topics	Time
<b>Generative AI- Day 1 Schedule</b>		
1	<p>Introduction to AI, Deep learning,machine learning,NLP, Generative AI, PyTorch library.</p> <p>Basics of generative AI:</p> <ul style="list-style-type: none"><li>• Types of Generative Models: Variational Autoencoders (VAEs),</li><li>• Generative Adversarial Networks (GANs),LLM</li><li>• Text generative AI models,image generative AI models and text to image generative AI models</li></ul>	10:00AM to 12:30PM
<b>LUNCH BREAK 12:30PM TO 1:30PM</b>		
2	<p>Importance of Pytorch and its installation</p> <ul style="list-style-type: none"><li>• Basic concepts in TensorFlow/PyTorch for generative Modeling.</li><li>• PyTorch based Tensor creation, reshaping, device handling.</li><li>• Simple exercises with different datasets.</li></ul>	1:30PM to 3:00PM
3	<ul style="list-style-type: none"><li>• Creation of Deep learning models like Neural networks</li><li>• Activation Functions, optimizers, loss functions with Pytorch.</li></ul>	3:00 PM to 4:30 PM

S No	Topics	Time
<b>Generative AI-Day 2 Schedule</b>		
1	Introduction to Computer Vision <ul style="list-style-type: none"> <li>• Introduction to GANs,</li> <li>• Types of GANs,</li> <li>• Applications.</li> </ul>	09:30 AM to 11:00AM
2	<ul style="list-style-type: none"> <li>• Computer vision and deep learning for generative AI</li> <li>• Computer vision tools in pytorch and opencv with different Examples.</li> <li>• Creation of model to CNN in pytorch and apply to application.</li> </ul>	11:00 AM to 12:30PM
LUNCH BREAK 12:30PM TO 1:30PM		
3	<ul style="list-style-type: none"> <li>• Introduction to Variational AutoEncoders (VAE) of deep learning and its Application on Image generation using VAE</li> <li>• Understanding Autoencoders and Variational Autoencoders.</li> <li>• Variational Inference and the ELBO (Evidence Lower Bound).</li> <li>• Training VAEs: Loss functions, backpropagation, optimization Techniques.</li> <li>• Implementation of a VAE from scratch with examples of dataset.</li> <li>• Training and test splitting then train the dataset using VAEs on real datasets.</li> <li>• Evaluation metrics for VAEs for output result analysis.</li> </ul>	1:30 PM to 4:30 PM

Figure 2 : Two day Shedule

The workshop was conducted by Pantech Solutions Pvt Ltd, Hyderabad.

The first day (13 March 2026) started with an inaugural function.



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Department of Computer Science and Engineering (AI&ML)

12 March 2026

### Invitation

The CSM department is planning to host a Workshop on "Generative AI for III B Tech CSM students during 12-13 March 2026.

The Schedule for Inaugural ceremony of the Workshop is as follows:

S. No	Time	Speaker
1	09:40 Hrs	Welcome Address by Ms J Pranathi, III CSM
2	09:45 Hrs	Address by HoD-CSM, Dr M Seshu Bhavani
3	09:50 Hrs	Address by Vice-Principal, Mr G Dayakar Reddy
4	09:55 Hrs	Address by Principal, Dr G Shyama Chandra Prasad
5	10:00 Hrs	Keynote address by Resource Person, Ms Nandini Marribiona
6	10:05 Hrs	Vote of Thanks by Ms J Pranathi III CSM

So, we cordially invite you for the Workshop Inauguration Ceremony on 12 March 2026 (during 09:30 - 10:05 Hrs) at NB-303. Out of your hectic schedule, kindly make it convenient to enlighten our students.

**Dr M Seshu Bhavani**  
**HoD-CSM**

Figure 3: Inaugural function shedule



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### Department of Computer Science and Engineering (AI&ML)

FileNo.BRECW/CSM/AY2025-26-Even/Workshop/Circular/131

Date: 06/03/2026

#### Circular

All the III B.Tech CSE (AI&ML) students are hereby informed that the Department of Computer Science and Engineering (AI&ML) is conducting a **Two-Day Workshop on "Generative AI"** on **12 and 13 March 2026** under Internal Quality Assurance Cell (IQAC).

The details of workshop are as follows:

S No	Class	Date and Time (Hrs)	Venue
1	2	3	4
1	III CSE(AI&ML)	12 March 2026 09:30 – 16:30	NB-304,305 CSM LAB
		13 March 2026 09:30 – 16:30	NB-304,305 CSM LAB

All the students must attend the workshop without fail.

#### Note:

1. All the III B.Tech CSE (AI&ML) students are hereby informed that there is **no registration fee** for this workshop. You are advised to utilize this opportunity effectively, as it is being organized by the management for your academic benefit.
2. The faculty who are handling III BTech CSE (AI&ML) should mark the attendance as per the timetable.
3. All the CSE (AI&ML) teaching and non-teaching faculty who do not have class work are requested to attend the workshop.

  
Dr G Shyama Chandra Prasad  
Principal

**PRINCIPAL**  
Bhoj Reddy Engineering College for Women  
Vinaynagar, Santoshnagar Cross Roads,  
Hyderabad-500 059, Telangana

To,

All HoDs/HoFs for circulation among the students and staff members

Copy to

1. Chief Operating Officer, SLV
2. Director-HR & Academics, SLV
3. Vice Principal, BRECW
4. IQAC Coordinator
5. Seminar & Workshop Coordinator
6. Maintenance Officer, BRECW
7. System Admin
- 8 Security Supervisor
9. Notice Board

Figure 4 : Circular



Figure 5 : Inaugural function photos



Figure 5 : workshop session photos



Figure 7 : Hands on session's photos

Generative Artificial Intelligence has emerged as a transformative technology that enables machines to generate new content such as images, text, audio, and videos. With rapid advancements in deep learning and computer vision, generative AI techniques are widely used in areas such as image generation, content creation, healthcare, and autonomous systems. Learning the concepts and practical implementation of generative AI helps students understand how modern AI models create realistic and meaningful outputs from data.

In the forenoon session of the first day of the workshop, students were introduced to the fundamentals of Generative AI and its growing importance in the field of artificial intelligence. The session explained the basic concepts of generative models and how they differ from traditional machine learning models. The resource person also introduced important generative techniques and demonstrated how AI models can generate new data similar to the training datasets.

The afternoon session of the first day focused on understanding the working environment required for implementing generative AI models. Students were introduced to the importance of Python libraries used in deep learning, particularly PyTorch, and were guided through the installation process and basic usage. The resource person demonstrated how deep learning frameworks help in building neural network models efficiently.

On the second day of the workshop, the forenoon session began with an introduction to Computer Vision and its role in generative AI. Students learned the concepts of image processing and deep learning techniques used in computer vision. The session also introduced Generative Adversarial Networks (GANs), their working mechanism, different types of GANs, and their applications in generating realistic images and synthetic data.

The next session focused on practical aspects of computer vision using PyTorch and OpenCV. Students were shown examples of how computer vision tools are used for image processing tasks. They also learned how Convolutional Neural Networks (CNNs) are designed and trained using PyTorch and how these models can be applied to solve real-world image-based problems.

In the afternoon session of the second day, the resource person introduced Variational Autoencoders (VAE), an important generative deep learning model used for image generation. Students learned the concepts of autoencoders and variational autoencoders, along with the theory behind variational inference and the Evidence Lower Bound (ELBO). The session also covered training techniques for VAEs including loss functions, backpropagation, and optimization methods.

The hands-on session demonstrated the implementation of a Variational Autoencoder model from scratch using sample datasets. Students learned how to split datasets into training and testing sets, train the model, and evaluate the results using suitable performance metrics. This practical exposure helped students understand how generative models can create new images by learning patterns from existing data.

Overall, the two-day workshop provided students with a comprehensive understanding of generative AI concepts, computer vision techniques, and practical implementation using PyTorch. The hands-on sessions enabled students to gain valuable experience in building and experimenting with generative deep learning models.

All the participants were given participation certificates during the valedictory session held at the end of the second day of the workshop.

Figure 9: Certificates sample copy





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**PANTECH SOLUTIONS**  
 Technology Beyond the Dreams

**Department of Computer Science and Engineering (AI&ML)**


**Two - Day Workshop On**


**GENERATIVE AI**

**CERTIFICATE OF PARTICIPATION**

This is to certify that Ms. Aakanksha Chavankar

Roll Number 24325A6601 has Participated in Two - Day Workshop on **Generative AI 12<sup>th</sup> & 13<sup>th</sup> March 2026**, organized by the Department of Computer Science and Engineering (AI&ML), Bhoj Reddy Engineering College for Women in Collaboration with the **Pantech Solutions India Pvt Ltd.**

  
 Dr. K. Ashok Kumar  
 Coordinator

  
 Mr. Santosh Kumar  
 Director - Pantech

  
 Dr. N. Seshu Bhavani  
 HOD- CSN

  
 Dr. G. Shyamam Chandra Prasad  
 Principal

[www.pantechlearning.com](http://www.pantechlearning.com)

Figure 10 : Sample feedback form



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### Department of Computer Science and Engineering (AI&ML) WORKSHOP FEEDBACK FORM

Topic: "Generative AI"      Dates: 12-13 March 2026

Conducted in collaboration with Pantech Solutions Pvt Ltd, Hyderabad.

(Rate the feedback with tick mark)

S.No	Particulars	Excellent (5)	Very Good (4)	Good (3)	Satisfactory (2)	Poor (1)
1	The sessions were well-structured and easy to follow	✓				
2	The workshop covered a comprehensive range of concepts	✓				
3	Hands-on activities and practical demonstrations helpful in understanding the concepts	✓				
4	The workshop provide insights into the current industry practices	✓				
5	This workshop will be helpful for developing my Mini / Major projects	✓				
6	Suggestions for improvement of the workshop in future:	<i>need more hands on sessions</i>				



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## Department of Computer Science and Engineering (AI&ML) WORKSHOP FEEDBACK FORM

Topic: "Generative AI" Dates: 12-13 March 2026

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(Rate the feedback with tick mark)

S.No	Particulars	Excellent (5)	Very Good (4)	Good (3)	Satisfactory (2)	Poor (1)
1	The sessions were well-structured and easy to follow	✓				
2	The workshop covered a comprehensive range of concepts		✓			
3	Hands-on activities and practical demonstrations helpful in understanding the concepts		✓			
4	The workshop provide insights into the current industry practices	✓				
5	This workshop will be helpful for developing my Mini / Major projects		✓			
6	Suggestions for improvement of the workshop in future:	- very good sessions -				

The Feedback from the students was collected. Total 70 students provided the feedback. Overall feedback of the workshop is Excellent and active participation of students during the workshop was notable, and students were engaged throughout the session. Student's thoughtful questions and insightful comments added a lot of value to the overall discussion. We could tell that students have a good grasp of the subject matter as the workshop was informative and enlightening. In future, we can encourage students to continue attending such events and to keep learning and growing in their field of interest.

Figure 11 : Feedback Analysis form



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#### WORKSHOP FEEDBACK FORM ANALYSIS

Topic: "Generative AI" Dates: 12-13 March 2026  
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Feedback collected from 69 number of students.

S.No	Generative AI	Excellent (5)	Very Good (4)	Good (3)	Satisfactory (2)	Poor (1)
		No. of students given	No. of students given	No. of students given	No. of students given	No. of students given
1	The sessions were well-structured and easy to follow	50	15	3	1	0
2	The workshop covered a comprehensive range of concepts	49	16	3	1	0
3	Hands-on activities and practical demonstrations helpful in understanding the concepts	48	16	4	1	0
4	The workshop provide insights into the current industry practices	55	10	3	1	0
5	This workshop will be helpful for developing my Mini / Major projects	53	13	2	1	0
6	Suggestions for improvement of the workshop in future received are:	Suggested to include more hands on with real world datasets and live project building to enhance practical understanding of Gen AI concepts.				

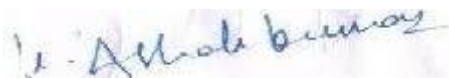
Overall Analysis of the feedback is :

The overall feedback of this two day workshop on gen AI was highly positive, effectively delivered by resource persons, also need more hands on session and interactive sessions for future enhance learning.

  
Dr K Ashok Kumar  
Seminars and Workshops In-charge

  
Dr M Seshu Bhavani  
HoD-CSM

Dr K Ashok Kumar, Seminars and Workshops In-charge faculty expressed his sincere gratitude for allowing CSM department with and the opportunity to conduct a workshop at BRECW. He appreciated the support that management gave and said it was informative session. Once again, he said thank you for allowing them to contribute to the learning and development of their students and the session was concluded by the vote of thanks and certificates distribution.



Dr K Ashok Kumar  
Seminars and Workshops In-charge



Dr M Seshu Bhavani  
HoD-CSM