



BVRIT HYDERABAD College of Engineering for Women

(UGC Autonomous Institution | Approved by AICTE | Affiliated to JNTUH) NAAC Accredited – A Grade | NBA Accredited (EEE, ECE, CSE and IT) Bachupally, Hyderabad-500090



REPORT

Name of the Event: AICTE Training and Learning (ATAL) FDP on Generative AI: Transforming Education and Research

Organization Name: BVRIT HYDERABAD College of Engineering for Women, Dept. of IT

Date(s): 8th to 13th January 2024

Venue: DB Seminar Hall, BVRITH

No. of the Participants: 60

Generative AI: Transforming Education and Research

Generative AI: Transforming Education and Research, a 6-Days AICTE sponsored Faculty Development Program was conducted from 8th to 13th January 2024 in which we got more than 100 applications out of which around 60 participants from different parts of the country participated.

The resource persons for the 6-day FDP on “Generative AI: Transforming Education and Research ” were:

Dr. V Susheela Devi, IISc Bangalore

Designation: Principal Research Scientist, IISc Bangalore
Department : Computer Science and Automation



Dr. P Kayal, BVRIT Hyderabad College of Engineering for Women

Designation : Associate Professor
Specialization: Machine Learning



Dr. Chandra Mohan D, IIIT Siri City

Designation: Assistant Professor
Specialization: Deep Learning, Natural Language Processing



Dr. Anil Kumar, IIIT Hyderabad

Designation: Professor
Specialization: Speech translation, Deep Learning



Mr. Buchhibabu Rachakonda, Boeing India



Designation: Data Scientist
Specialization: Generative Artificial Intelligence

Mr. Raja Venkat Ram, Data Scientist, Verizon



Designation: Data Scientist
Area of Expertise: Deep Learning

Mr. Naveen Kumar Laskari, Data Scientist, Xelpmoc



Designation: Data Scientist, Xelpmoc

Mr. Sreeni Jilla, Delivery Head-Data Science, Hitachi Vantara



Designation: Delivery Head- Data Science, Hitachi Vantara
Area of Expertise: Generative Artificial Intelligence

Dr. HIRAK MAZUMDAR, WOXSEN UNIVERSITY



Designation: Assistant Professor
Area of Expertise: Deep learning and Generative AI

ATAL FDP on Generative AI: Transforming Education and Research

The schedule and session details of the FDP was as below-

Session Details

Session Details						
DAY 1 (8 JAN, 2023)	9:30 TO 10:00 INAGURATION	10:00 AM to 11:15 AM Generative AI : Background and Significance Dr. V Susheela Devi Professor IISc Banglore	11:30 AM to 12:30 PM Generative AI in Real-time Applications Mrs. Hemavati Ph.D Scholar IISc Banglore	12:30 PM to 1:30 PM Lunch Break	1:30 PM to 3:30 PM Hands-on experience on training and testing a machine learning model Dr. P. Kayal Associate Professor BVRIT HYDERABAD	3:30 PM to 4:30 PM Journal Article discussion Dr. P. Kayal Associate Professor BVRIT HYDERABAD
DAY 2 (9 JAN, 2023)		9:30 AM to 11:00 AM Exploring Natural language processing Dr. Chandra Mohan Assistant Professor IIT Sri City	11:00 AM to 12:30 PM Article Discussion on NLP and Deep learning Dr. D. Srinivasarao Associate Professor BVRIT HYDERABAD		1:30 PM to 3:00 PM Hands-on handling natural language data Dr. Chandra Mohan Assistant Professor IIT Sri City	3:00 PM to 4:30 PM Understanding NLP Applications (Sentiment analysis, text summarization, text generation) Dr. Chandra Mohan Assistant Professor IIT Sri City
DAY 3 (10 JAN, 2023)		9:30 AM to 11:00 AM Speech Translation powered by Generative AI Dr. Anil Kumar Professor IIIT Hyderabad	11:00 AM to 12:30 PM Introduction to Generative AI Mr. Buchhibabu Rachakonda Data Scientist Busch InBev		1:30 PM to 3:00 PM Exploring Text-Based AI tools (e.g., ChatGPT, AI-enabled MS Office) Mr. Buchhibabu Rachakonda Data Scientist Busch InBev	3:00 PM to 4:30 PM Exploring Image/video- AI tools (e.g., D-ID, Runway ML, VideoBG remover, Adobe firefly, adobe podcast) Mr. Buchhibabu Rachakonda Data Scientist Busch InBev
DAY 4 (11 JAN, 2023)		9:30 AM to 11:00 AM Exploring Generative AI into Text Generation Mr. Raja Venkat Ram Data Scientist Verizon	11:00 AM to 12:30 PM Generative model for text generation Mr. Raja Venkat Ram Data Scientist Verizon		1:30 PM to 3:30 PM Hands-on experience in creating simple generative models for text generation Mr. Naveen Kumar Laskari Senior Data Scientist Xelpmoc	3:30 PM to 4:30 PM Model evaluation and testing Mr. Naveen Kumar Laskari Senior Data Scientist Xelpmoc
DAY 5 (12 JAN, 2023)		9:30 AM to 1:00 PM Industrial Visit RCTS			1:30 PM to 3:30 PM Exploring Generative AI into image Generation (DCGANs and StyleGANs) Mr. Sreeni Jilla Head-Data Science Hitachi Vantara	3:30 PM to 4:30 PM Article discussion on End to End Mechanism of Generative AI Mr. Sreeni Jilla Head-Data Science Hitachi Vantara
DAY 6 (13 JAN, 2023)		9:30 AM to 11:00 AM Optimizing Generative models for text and images Dr. Hirak Mazumdar Assistant Professor Woxsen University	11:00 AM to 12:30 PM Risks and Ethical Considerations of Generative AI Dr. Hirak Mazumdar Assistant Professor Woxsen University		1:30 PM to 3:00 PM Reflection journal, feedback and interactions	3:00 PM to 4:30 PM Valedictory session

ATAL FDP on Generative AI: Transforming Education and Research

The inauguration was held on 8th January 2024 at 10:00 am. Chief Guest of the program was Dr. V Susheela Devi (Principal Scientist, IISc Bangalore), Prof. K.V.N Sunitha (Principal, BVRITH), Dr. Chava Sunil Kumar (Vice-Principal, BVRITH), and the Coordinator Dr. Arunal Rao S L chaired the function.

Dr. Chava Sunil Kumar, Vice-Principal at BVRITH, and the Coordinator, Dr. Aruna Rao S L, chaired the function, emphasizing the significance of Generative AI. They expressed gratitude to AICTE for supporting the FDP (Faculty Development Program). Dr. V Susheela Devi, the chief guest, emphasized the significance of Generative AI and its transformative impact across sectors. She highlighted the importance of adapting to artificial intelligence skills for future jobs and motivated participants to embrace these changes promptly.

Some screenshots of the FDP are as below.



ATAL FDP on Generative AI: Transforming Education and Research



The list of participants was:-

Name	Email	Phone	Institute Name
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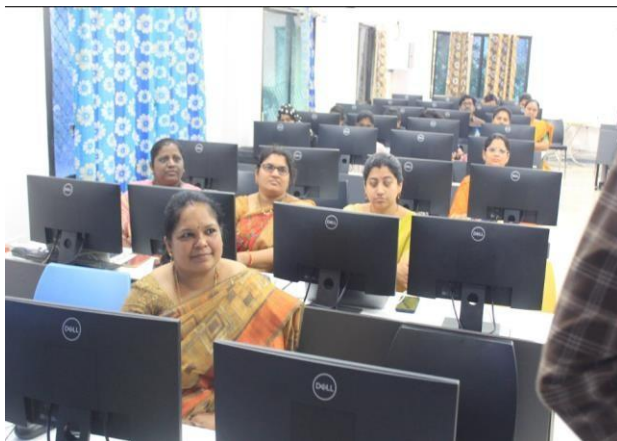
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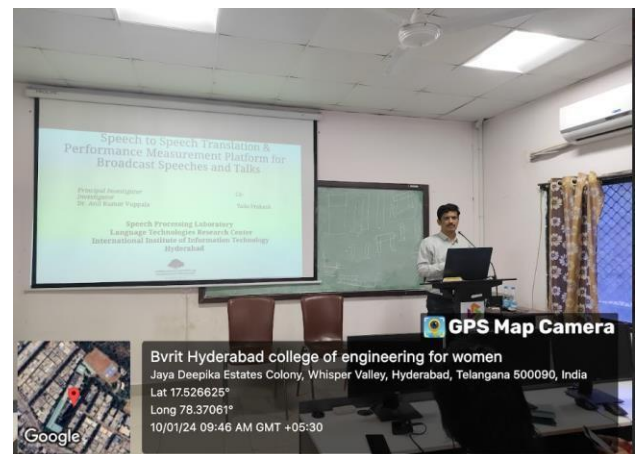
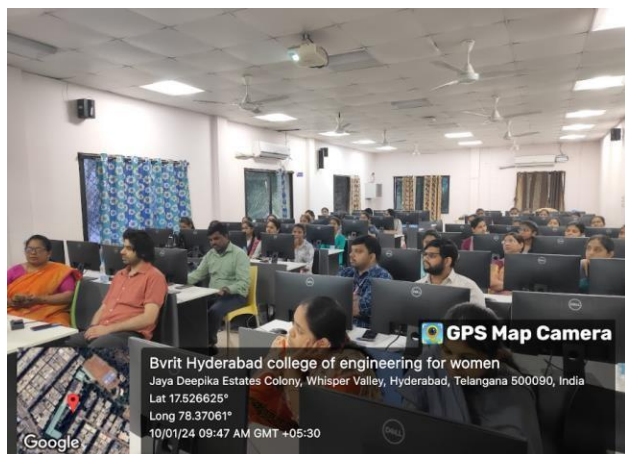
Day-1 Session Photos



Day-2 Session Photos



Day-3 Session Photos



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Day-4 Session Photos



Day-5 Session Photos



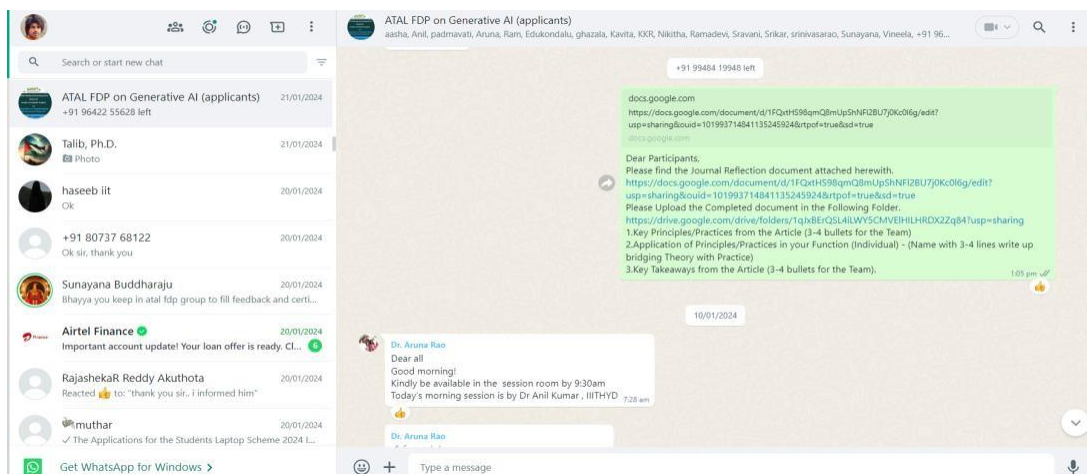
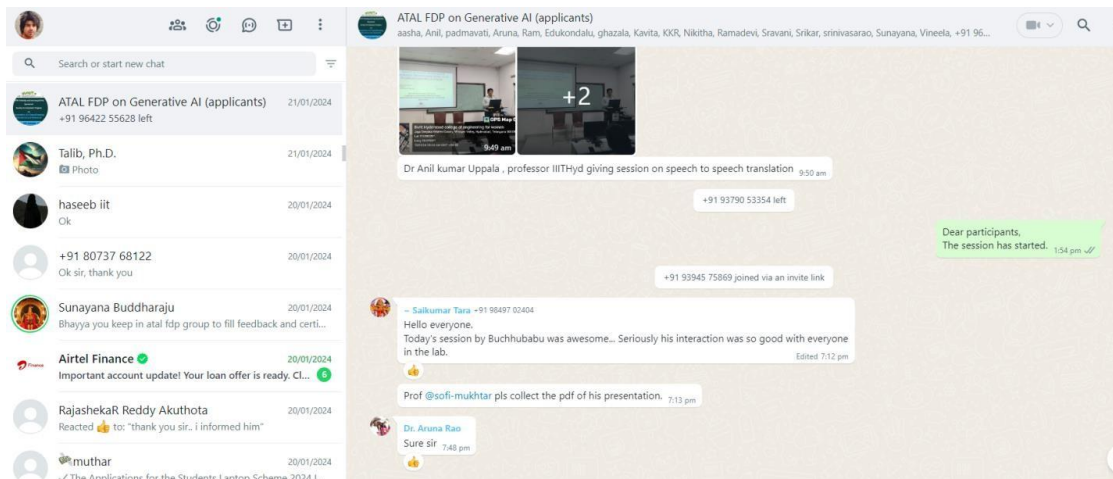
Day-6 Session Photos



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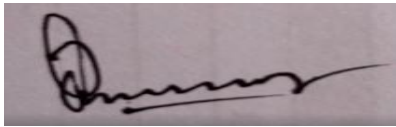


Some screenshots related to smooth conduction, communication, and feedback are as below



ATAL FDP on Generative AI: Transforming Education and Research

It was a great Initiative by ATAL Academy. We are thankful to AICTE for giving me this opportunity to conduct online FDP.



Signature of the Coordinator(s)



HoD- IT