



DON BOSCO INSTITUTE OF TECHNOLOGY

Premier Automobiles Road, Kurla West, Mumbai - 400070



INFORMATION TECHNOLOGY

Report on – Generative AI Workshop

Title: *Generative AI Workshop*

Date: 27/02/2024 & 28/02/2024

Time: *DAY 1 12:00 pm - 4:00 pm*
DAY 2 10:00 am - 3:00 pm

Venue: IT LAB 5 & IT LAB 6

Target Audience: FE, SE, TE, BE COMP/IT/EXTC/MECH

No. of Participants Present: 72

Resource Person: Mr. Rajesh Srivastava

Organization of Recourse Person: Capgemini

Organizing Department / Committee / Authority: CSI DBIT

Faculty Coordinator: Mr. Udaychandra Nayak

Objectives:

- ❖ To introduce participants to the principles and techniques of generative AI.
- ❖ To provide hands-on experience with various generative AI models and tools.
- ❖ To foster creativity and innovation through the exploration of generative AI applications.

Outcomes:

- ❖ Participants gain a foundational understanding of generative AI concepts,
- ❖ Participants develop practical skills in using generative AI tools and frameworks,
- ❖ Participants produce original generative AI project – Chat Bot

Detailed Report:

The Generative AI workshop spanned two enriching days, offering participants a deep dive into the world of Artificial Intelligence (AI) with a particular focus on its generative capabilities. The workshop begun with Ms. Erica Prasad introducing the reason for conducting the workshop and familiarizing our beloved speaker Mr. Rajesh Srivastava to the students. After the introduction, the speaker were handed the token of appreciation by our SBC Prof. Udaychandra Nayak.

The journey began with a foundational understanding of AI and its applications across industries, setting the stage for exploring its generative potential. As participants delved into the workshop, they embarked on an enlightening exploration of Generative AI and the evolution of Language



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Models (LLM), witnessing the transformative rise of models like the Generative Pre-trained Transformer (GPT) series.

Equipped with this understanding, participants were introduced to essential tools that form the backbone of AI experimentation. Hugging Face emerged as a pivotal platform, empowering participants to access and deploy pre-trained models seamlessly. Google Colab, with its collaborative features and cloud-based infrastructure, became the workshop's digital laboratory, enabling participants to experiment with AI models without the constraints of hardware limitations.

The workshop's curriculum seamlessly blended theory with hands-on experience, empowering participants to wield the power of Language Models through practical exercises. From grasping the fundamentals of tokenization and model architecture to fine-tuning pre-trained models for specific tasks, participants engaged in GenAI code using Colab notebooks, honing their skills in generating text and manipulating model outputs through prompt engineering techniques. Moreover, the exploration of Retrieval-Augmented Generation (RAG) offered participants a glimpse into advanced strategies for enhancing generative outputs.

The second day of the workshop unfolded with a focus on practical application, as participants embarked on the journey of building an end-to-end generative AI application – the Genie Chat Bot. Guided by instructors, participants navigated the intricacies of coding within Visual Studio Code (VS Code) and pieced together the components of the chatbot, leveraging their newfound knowledge of language models and prompt engineering techniques. The culmination of the workshop was marked by a code explanation and doubt-solving session, where participants had the opportunity to solidify their understanding and seek clarification on concepts encountered throughout the workshop.

In conclusion, the Generative AI workshop served as a catalyst for participants' exploration and innovation in the dynamic realm of AI. By providing a comprehensive understanding of generative AI concepts, hands-on experience with cutting-edge tools and techniques, and the opportunity to build real-world applications, the workshop equipped participants with the knowledge and skills necessary to chart new frontiers in AI-driven creativity and problem-solving. As participants departed, they carried with them not only newfound expertise but also the inspiration to continue pushing the boundaries of what is possible with generative AI.

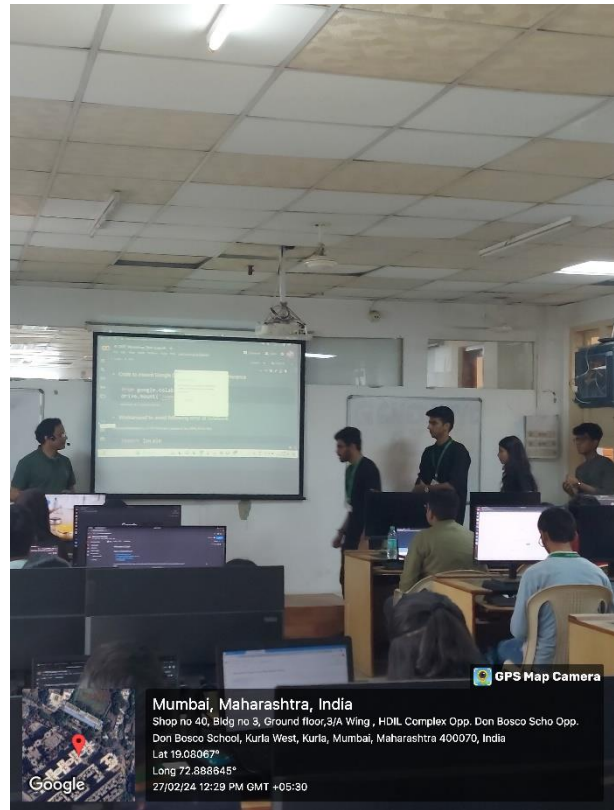


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Snapshot of the Event:





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Feedback Analysis: *(Justified, Text in 12 point font size, Times Roman New, 1.15 line spacing)*

Feedback should include google form responses in terms of bar graphs or pie charts.

Event Poster:



Social Media Links:

Facebook : <https://www.facebook.com/csidbit/>

Instagram : <https://www.instagram.com/csidbit/>

LinkedIn : <https://www.linkedin.com/company/computer-society-of-india-csi-dbit>

Registration Details:

The event was open for non-DBIT students:

No. of DBIT Students: 71

No. of non-DBIT students: 1



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Details (IN)

Mohammed Owais Feroz Ali Shaikh Male 323mohammed0050@dbit.in FE IT DBIT D/49
Keshav Kuldip Prajapati Male prajapatikeshav497@gmail.com FE IT DBIT D/44
Shilok osan Male shilokosan23@gmail.com SE IT DBIT A/44
Tejas budhe Male tejasbudhe1911@gmail.com SE IT DBIT A/7
Aditya ojha Male ojhaaditya913@gmail.com SE IT DBIT A/47
Narendra dukhande Male narendradukhande30@gmail.com SE IT DBIT A/18
John Joy Male jj615265@gmail.com SE IT DBIT A/49
Tanush karane Male tanushkarane@gmail.com SE IT DBIT A/29
Onkar lambade Male onkarlambade03@gmail.com SE IT DBIT A/32
NEEL PUJARI Male neelpujari65@gmail.com SE EXTC DBIT A/48
PriyanshuKumar Singh Male singhpriyansh0704@gmail.com SE EXTC DBIT A/62
Savin Johnson Male savs2610johnson@gmail.com SE IT DBIT IT 56
Omkar Gangaram Dhebe Male omkardhebe0000@gmail.com SE EXTC DBIT A/16
Sarvambh Prashant Desai Male sarvambhdesai10@gmail.com SE EXTC DBIT A/15
Joseph Anthony Male josephanthony200485@gmail.com SE IT DBIT A/50
Rostan lobo Male loborostan05@gmail.com SE IT DBIT A/34
Ben furtado Male raynfurtado@gmail.com SE IT DBIT A/19
Prathamesh Kurdekar Male prathameshkurdekar@gmail.com SE EXTC DBIT A/36
Aakash Belgaonkar Male aakashbelgaonkar06@gmail.com SE EXTC DBIT A-05
Umme atiya qureshi Female ummeatiyaquraishi@gmail.com SE IT DBIT A/67
Priyanshi singh Female priya.singhs1303@gmail.com SE IT DBIT A/57
Smrutishree Female smruti0303@gmail.com FE COMPS DBIT C/55
Edel Dsouza Female edeldsouza160@gmail.com SE IT DBIT C/15
Yukita Jaiswal Female yukitajaiswal5@gmail.com FE EXTC DBIT A/19
Nirmiti Babu Bait Female nirmitibait2102@gmail.com FE EXTC DBIT A/03
Parth Pravin Shikhare Male parthshikhare21@gmail.com FE IT DBIT D/53
Omkar Vilas Gotawde Male omkargotawade05@gmail.com FE IT DBIT D/21
Mangesh gautam Male gautammanoj767@gmail.com SE IT DBIT A/22
sayali kulkarni Female sayali.kulkarni0412@gmail.com FE COMPS DBIT B/59
Sahil Sandeep Davkhar Male sahilDavkhar@gmail.com SE COMPS DBIT A/14
Sanchita Ajay Warade Female varadesanchita@gmail.com SE IT DBIT A/64
Bhosale Harshal Nandu Male harshalbhosale380@gmail.com FE IT DBIT D/07
Serena Leothas Gomez Female serenaleothasgomez@gmail.com FE COMPS FCRIT, Vashi A/1021146
Pritam Kiran Temkar Male pritamtemkar16@gmail.com FE IT DBIT D/59
Saifuddin Syed Male syedsaif78676@gmail.com SE IT DBIT (A/63)
Hassan khan Male hassakhan78605@gmail.com SE IT DBIT A/30
Pranjal Shinde Female shindepranjal500@gmail.com SE IT DBIT A/60
Amit gupta + 50 balance Male guptaamit0456@gmail.com SE IT DBIT A/23
Andre Fernandes a.fernandes1808@gmail.com SE COMPS DBIT A/73

Andre Fernandes a.fernandes1808@gmail.com SE COMPS DBIT A/23
rian esteves Female setvesrian2@gmail.com BE IT A/18
Sakshi vilas patil Female sakshipatil8086@gmail.com SE IT DBIT A/46
Soham Dhakras Male soham0518@gmail.com FE IT DBIT D /17
Siddhesh Avinash Bangar Male siddhesh14012005@gmail.com FE IT DBIT D/05
Mohammed Shaikh mohammed.shaikh.201473@gmail.com SE COMPS DBIT A/58
Samantha Anthony Female samanthaanthony1512@gmail.com FE COMPS DBIT (B/03)
Avadhoot pawaskar Male avadhootpawaskar400@gmail.com SE IT DBIT A/47
Aditya Namdev Pawar Male aditya.mn.pawar@gmail.com FE MECH DBIT E/23
Vinay Sanjeev Gone Male vinaygone28@gmail.com FE IT DBIT D/63
Swayam Ratnakant Mhaskar Male 223swayam0048@dbit.in FE COMPS DBIT C/11
Mandviwala Hatim Yusuf Male 223hatim0049@dbit.in FE COMPS DBIT C/05
ARCHIT OMKAR MAHAJAN Male architmahajan692@gmail.com FE COMPS DBIT C/02
Shaikh Danish Male danishshk32@gmail.com FE COMPS DBIT C/48
Adithya Unnikrishnan Menon Male frankensteinmenon@gmail.com FE COMPS DBIT C/20
Janhavi Shejwal Female shejwaljanhavi02@gmail.com FE EXTC DBIT A/41
Prajyotsna Thiyassheri Female prajyotsna01@gmail.com FE IT DBIT D/60
Bhumi Kadam Female bhumi31@gmail.com FE IT DBIT D/23
Blossom Mascarenhas Female mascarenhasblossom028@gmail.com FE EXTC DBIT A/25
Taksh Jain Male takshr65@gmail.com FE COMPS DBIT C-36
Prasad Subhedar Male pramilasubhedar810@gmail.com FE COMPS DBIT C/57
Lester Fernandes Male fernandesdianne06@gmail.com FE COMPS DBIT B/33
Aditya Saji Thokalath Male adityasaji005@gmail.com FE COMPS DBIT C/59
Naina Singh Female nainasingh1875@gmail.com FE IT DBIT 57
Varad Sonandkar Male varadsonandkar2@gmail.com FE IT DBIT D/62
Joshua Bara Male joshuabara2737@gmail.com SE IT DBIT A/03
Atharva avhad Male atharvaavhad2005@gmail.com FE IT DBIT D/04
Ansari Fauzan Male ansarifauzan795@gmail.com FE IT DBIT D/02
Sabiq Khot Male sabiq0510@gmail.com FE IT DBIT D/30
Harsh chaudhari Male chaudhariharsh212@gmail.com SE IT DBIT A/8
Amey Male goreamey659@gmail.com FE MECH DBIT E/10
Shaikh Iqra Munna Female shaikhqira2020@gmail.com SE COMPS DBIT A/57
Shaizy Shaikh Female shasars9@gmail.com SE COMPS DBIT A/59
Atif Sayed Male sayedatif4321@gmail.com FE IT DBIT D/48



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Report Prepared By: Divij Sarkale

**Post of the student: Editorial Head,
*CSI DBIT***

Report Approved By:

Name of the Faculty:

Post of the Faculty:

*In Institute/ Department/ Student Club/ Chapter/
Professional Body*