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GEETHA SHISHU
SHIKSHANA SANGHA (R)

**INSTITUTE OF ENGINEERING
AND TECHNOLOGY FOR WOMEN**



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CLOUD

BYTES

Student Club Annual Report

**Google Cloud Club- CSE(AI&ML)
&
GDG on Campus, GSSSIETW**



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EXPLORE. INNOVATE. THRIVE

Tech upskilling | Collaboration | Creativity | Ignite | Hands-on Learning | Lead



GSSS

GEETHA SHISHU
SHIKSHANA SANGHA(R)

**INSTITUTE OF ENGINEERING
AND TECHNOLOGY FOR WOMEN**

With the blessings of



Late. Prof. B. S. Pandit

Hon. Founder Secretary, GSSS(R)



Late. Vanaja B. Pandit

Former Hon. Secretary, GSSS(R)



Acknowledgement

We extend my heartfelt gratitude to **Smt. Anupama B. Pandit**, Secretary, GSSS(R), for her unwavering support and constant encouragement in all our academic endeavours. Her visionary guidance continues to be a strong pillar behind every successful initiative.

We would also like to express my sincere thanks to our **CEO, Shri. Bharath R.K**, for his continued leadership and for empowering us to build impactful academic and community-driven programs.

A special note of thanks to our respected Principal, **Dr. Shivakumar M**, for fostering a motivating and progressive academic environment that inspires innovation, collaboration, and continuous learning through an initiative of Domain Specific Student Club

We thank **Dr. Manjuprasad B**, Professor and Head, Department of Computer Science and Engineering (AI & ML), and **all the Teaching and Technical Staff of CSE (AI&ML)** for their constant support, encouragement, and invaluable guidance throughout the preparation and execution of this event

Google Cloud Club Executive Members

CSE (AI&ML)



Google Cloud Club: Key Highlights and Content

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Editors:

- Divya S, 6th Sem, CSE (AI&ML), Google Club Vice president
- Sandhya Gangadhara Bhat, 6th Sem, CSE (AI&ML), Google Club Treasurer
- Dr. Manjuprasad B, Prof. & Head, CSE (AI&ML), Facilitator, Google Cloud Club



Google Cloud Club

Domain Specific Student Club

Department of CSE (AI&ML)



Introduction:

The Google Cloud Club (GCC) is a student-driven club from the Department of Computer Science and Engineering (Artificial Intelligence & Machine Learning) that is supported by Google Cloud. It aims to build awareness and expertise in cloud technologies among students by providing a platform to explore the Google Cloud Platform (GCP) through hands-on labs, quests, and real-world projects. The club fosters a collaborative learning environment where students can develop in-demand skills in areas such as cloud computing, application development, DevOps, big data, and machine learning. GCC members actively participate in technical sessions, earn digital badges and credentials, and gain exposure to industry-relevant tools and practices.

List of members:

Branch	No of students
CSE	105
CSE(AI&ML)	52
ISE	57
AI&DS	47
E&C	39
EEE	07

Student Coordinators:

1. **Bhoomika MR**, 8th Sem, CSE(AI&ML), President
2. **Fiza N, Rachana D Kashyap**, 8th Sem, CSE (AI&ML), Vice president
3. **Divya S**, 6th Sem, CSE (AI&ML), Vice president
4. **Sushmitha G, Poorvika M**, 8th Sem, CSE (AI&ML), Secretary
5. **Rachana, Raina M**, 6th Sem, CSE (AI&ML), Executive member
6. **Sandhya Gangadhara Bhat**, 8th Sem, CSE (AI&ML), Treasurer
7. **Chandana S, Swasti M Petkar**, 4th Sem, CSE (AI&ML), Operation Head

EVENTS LIST

#	Event name	Speakers	Date
1.	The Cloud Sprint Challenge 2.0	Competition	16.05.2025
2.	VTU Cloud Lab Training Session To CSE Students	Shiny N, Keerthana YP Rohana G, Chandana BL Pallavi BL, Chethana K	11.03.2025
3.	Introduction To Cloud Devops	Chandana S, Swasti M Petkar	10.03.2025
4.	Introduction To GCP & Arcade Creating The Virtual Machine Lab	Divya S Pallavi B L Pradeepta H Sandhya Gangadhara Bhat Vamshi N G	08.10.2024
5.	Cloudsql And Bigquery	Dimple Priya P M Divya S Pallavi B L Sandhya Gangadhara Bhat	10.07.2024
6.	The Cloud Sprint Challenge 1.0	Competition	26.02.2024
7.	Creating A Virtual Machine	Fiza Naaz Divya S Sandhya Gangadhara Bhat	13.02.2024
8.	Tour Of Google Cloud Skill Boost & Arcade	Dr. Manju Prasad B Fiza Naaz	29.12.2023

1. TOUR OF GOOGLE CLOUD SKILLBOOST AND ARCADE

About the event:

The session provided a detailed overview of Google Skill Boost Labs and Google Arcade, helping participants set up their accounts and explore key features. Attendees gained insights into the Arcade point system, game development, and ways to earn rewards through challenges and community engagement. A hands-on demo showcased how to use Skill Boost Labs to build cloud skills. Tips for winning Google goodies were also shared, followed by an interactive Q&A session to clarify doubts and deepen understanding.

Speakers	Dr. Manjuprasad B, Fiza Naaz
Target Audience	GCC members
Date	29/12/2023
Cloud learning	Exploration of GCP



Topics covered:

Offered a comprehensive analysis of the immersive exploration of Google Skill Boost Labs, ensuring participants gained meaningful insights into these innovative platforms, participants were guided to set up their Skill Boost Labs account to the public and subscribe to Google Arcade, enhancing their connectivity and access to valuable resources within the Google Platform. The exploration of Google Arcade intricacies then provided a holistic understanding of its features and functions, covering game development, deployment processes, and strategies for community engagement.

Explored the intricacies of Google Arcade's point system, providing participants with a comprehensive understanding of how points function within the platform. The session shed light on the mechanics behind earning and using points, highlighting their crucial role in stimulating engagement and rewarding user activity.

Executed a hands-on demonstration showcasing the practical application of Google Cloud Skill Boost Labs, illustrating how the platform enhances participants' proficiency across various Google Cloud technologies. Participants learned how Skill Boost Labs can empower them to develop practical skills and stay updated with the latest advancements in Google technologies, ultimately helping them excel in their professional endeavors.

Valuable information was imparted, providing participants with effective insights into strategies and tips for securing Google SWAGs (goodies). To wrap up, a Q&A segment allowed participants to enhance their understanding by exploring specific topics of interest and gaining additional insights.

Conclusion

At the conclusion of the session, all attendees were duly acknowledged and credited for their active participation in the immersive exploration of Google Skill Boost Labs and Google Arcade. Recognizing the value each participant brought to the session, credits were assigned to honor their engagement and contributions. The Speakers provided attendees with a comprehensive overview of Google Arcade, Google Skill Boost Labs, and strategies for obtaining SWAGs (goodies) from Google, ensuring a well-rounded and enriching learning experience for all participants. This acknowledgment reflects our commitment to fostering a collaborative learning environment.

2.CREATING A VIRTUAL MACHINE

About the event:

The event focused on practical learning and exploration of Google Cloud Platform (GCP) and Arcade. Participants gained insights into earning and calculating Arcade points, along with tips to make the most of the program. A hands-on session was conducted to demonstrate the deployment and management of virtual machines on GCP.

Speakers	Fiza Naaz, Divya S Sandhya Gangadhara Bhat
Target Audience	GCC members
Date	13/02/2024
Cloud learning	Exploration of GCP, Cloud Virtualization



Topics Covered:**Fiza Naaz:**

Provided insights about:

- How to grab points in Arcade.
- Arcade points calculator.
- shared her experience in earning google cloud goodies.

Sandhya Gangadhara Bhat and Divya S:

Presented a session with the objective to provide members with hands-on experience in deploying and managing virtual machines on Google Cloud Platforms (GCP). The report covered:

- Overview of the Virtual machines.
- Scope of the lab.
- Introduction to activate the google cloud console.
- Methodology used to create virtual machine which includes the virtualization platform, Operating system and special configurations.
- Details of the configurations of virtual machine including the hardware specifications (CPU, RAM).
- Security measures taken to secure the virtual machines and lab environment, such as firewall and access control.
- Installing the c compiler (gcc) in ssh and execution of one small c program using nano editor.
- Command to change the file permission.
- Installing apache server and running of html program.
- Installation of NGINX web server.
- Covered some tasks like creating new instance from the cloud console and creating new instance with gcloud.

Conclusion:

The presentations by wide range of topics related to virtual machine and virtualization. Each presenter provided valuable insights and techniques for exploring, and visualizing GOOGLE CLOUD PLATFORM effectively. From startup to advanced options of virtualization techniques, the report collaboratively furnished an exhaustive comprehension of Hands-on lab of creating a virtual machine in cloud console and gcloud.

3.CLOUDSQL AND BIGQUERY

About the event:

The session focused on providing hands-on experience with Google Cloud Platform tools, specifically BigQuery and CloudSQL. Participants learned how to run basic commands, create and manage tables and databases, and explore data using SQL queries. The event also covered the differences between MySQL and CloudSQL, along with practical demonstrations on connecting to cloud instances and uploading data.

Speakers	Dimple Priya P M, Divya S Pallavi B L, Sandhya Gangadhara Bhat
Target audience	GCC members
Date	10/07/2024
Cloud learning	Data Management



Topics covered:**Dimple Priya PM:**

Presented the session with the objective to provide the members with hands-on experience in BigQuery.

The topics covered are:

- Running the help command.
- Creating a table
- Examine the table
- Cleaning up the dataset.

Divya S:

Provided insight about:

- Introduction to BigQuery.
- Basic commands in BigQuery.
- Different methods to access BigQuery.

Pallavi B L:

Provided insights about:

- Basic mySQL queries.
- Introduction to CloudSQL
- Difference between MySQL and CloudSQL.

SandhyaGangadharaBhat:

Presented a session with the objective to provide members with hands-on experience in CloudSQL.

The report covered:

- Creating a cloud SQL instance.
- Connect the instance using the mysql client in CloudShell.
- Creating a database and uploading data.

Conclusion:

The presentations covered a wide range of topics related to CloudSQL and BigQuery, offering valuable insights and practical techniques for exploring and visualizing data using Google Cloud Platform. The session enabled participants to gain firsthand experience in tasks such as creating databases, running queries, and managing cloud resources. Overall, the session served as a strong foundation for participants to deepen their skills in cloud-based data management and analytics.

4. INTRODUCTION TO GCP & ARCADE CREATING A VIRTUAL MACHINE LAB

About the event:

The session introduced Google Cloud Platform (GCP) and Arcade as a fun and useful way to learn cloud technologies through labs and challenges. Participants learned how to create and manage virtual machines on GCP. The hands-on activities included setting up the cloud console and creating VMs.

Speakers	Divya S, Pallavi B L, Pradeepta H Sandhya Gangadhara Bhat, Vamshi N G
Target Audience	3rd Sem Students of CSE(AI&ML)
Date	08/10/2024
Cloud learning	Exploration of GCP, Cloud virtualization



Topics covered:**Introduction to GCP & Arcade:**

- A learning platform to gain hands-on experience with Google Cloud technologies.
- Offers interactive labs, courses, and skill badges to enhance cloud skills.
- Provides Arcade points and rewards for completing labs and challenges.
- Great for beginners and professionals to learn, practice, and earn certifications!

Creating the virtual machine Lab:

- Overview of the Virtual machines.
- Scope of the lab.
- Introduction to activate the google cloud console.
- Methodology used to create virtual machine which includes the virtualization platform, Operating system and special configurations.
- Details of the configurations of virtual machine including the hardware specifications(CPU, RAM).
- Security measures taken to secure the virtual machines and lab environment, such as firewall and access control.
- Installing the c compiler (gcc) in ssh and execution of one small c program using nano editor.
- Command to change the file permission.
- Installing apache server and running of html program.
- Installation of NGINX web server.
- Covered some tasks like creating new instance from the cloud console and creating new instance with gcloud.

Conclusion:

The session successfully provided participants with hands-on experience in deploying and managing virtual machines on Google Cloud Platform (GCP). By covering essential topics like VM creation, security configurations, SSH access, C compiler installation, and web server setup, attendees gained practical knowledge of cloud computing. The interactive approach helped members understand real-world applications of virtualization and cloud infrastructure, equipping them with the skills needed to work efficiently with Google Cloud services.

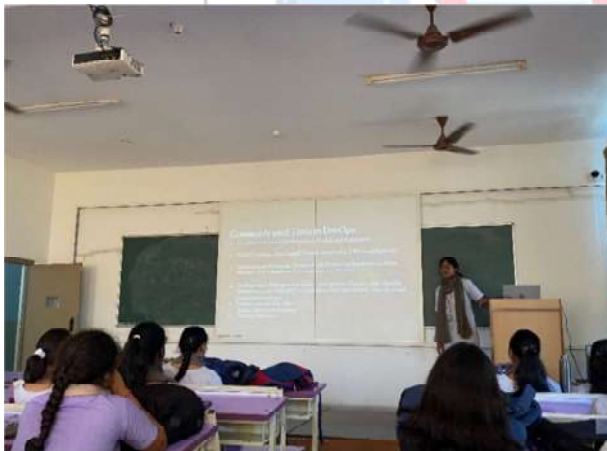
5. INTRODUCTION TO CLOUD DEVOPS

About the event:

The session provided a strong introduction to DevOps, explaining its importance in modern software development by highlighting the limitations of traditional methods. Participants learned about the need for faster innovation, better collaboration, and improved software quality. Key DevOps tools and their roles were introduced, including version control and monitoring. Real-world examples helped illustrate how DevOps works in practice, covering topics like continuous integration, delivery, and automation. The session ended with an engaging quiz to test participants' understanding, ensuring an interactive and informative learning experience.

Topics covered:

Speakers	Chandana S, Swasti M Petkar
Target Audience	GCC members
Date	10/03/2025



Chandana S:

This portion of the session adeptly laid the groundwork for understanding DevOps. Began by addressing the core reasons why DevOps has become indispensable, emphasizing the challenges of traditional development methodologies such as slow release cycles, communication silos between development and operations, and the resulting inefficiencies. Clearly articulated how the demand for rapid innovation, enhanced agility, and improved software quality has fueled DevOps'

widespread adoption across industries. Furthermore, we also gave an in-depth overview of the different types of DevOps tools provided valuable context, categorizing them and briefly explaining their functions within the DevOps pipeline. The session shed light on the concept of why exactly DevOps and gave them a perfect fundamental understanding of it by connecting these topics to real life examples.

Swasti M Petkar:

Building upon the foundational understanding, this segment delved into the practical realities of DevOps. You skillfully explained and imparted how DevOps operates in real-world scenarios, likely detailing the collaborative workflows, automated processes, and continuous feedback loops that characterize its implementation. This explanation likely covered key DevOps practices like continuous integration, continuous delivery, infrastructure as code, and automated testing. At the end of the session, we also organized a quiz with 10 questions focusing on the participant's fundamental understanding of DevOps with a time limit of 15 seconds to answer each question. Overall it was made sure that the session was kept very interactive and the key focus was on learning and gaining new knowledge.

Conclusion:

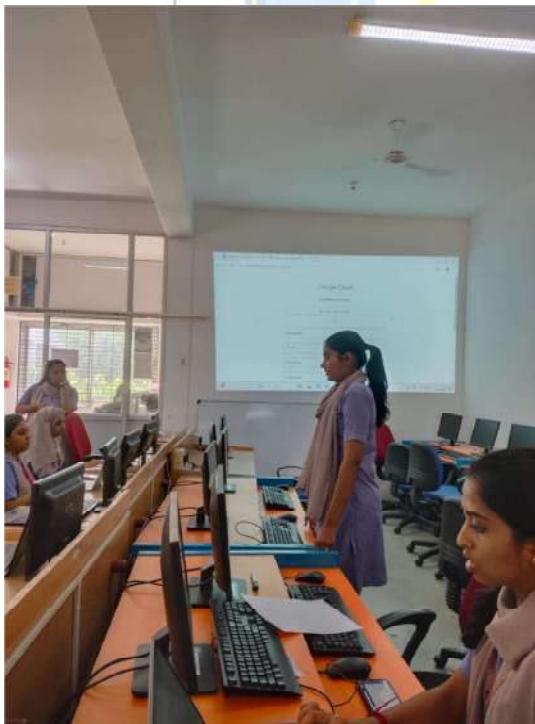
At the conclusion of the session, all attendees were duly acknowledged and credited for their active participation in the immersive exploration of cloud DevOps. Recognizing the value of the winners we gave them an e certificate. The Speakers provided attendees with a comprehensive overview of Why DevOps is required, how it works and all the different tool used by a DevOps professional, ensuring a well-rounded and enriching learning experience for all participants. This acknowledgment reflects our commitment to fostering a collaborative learning environment and appreciates the dedication of each attendee in enhancing their understanding of these booming domains.

6. CREATING A VIRTUAL MACHINE LAB

About the event:

The Google Cloud Club from the Department of CSE (AI & ML) successfully conducted an inter-department hands-on training session aimed at providing practical knowledge and skills related to deploying and managing virtual machines on the Google Cloud Platform (GCP). The session was delivered by trained student members of the club and catered to students from the Department of Computer Science & Engineering.

Speakers	Shiny N, Keerthana YP, Rohana G Chandana BL, Pallavi BL, Chethana K
Target Audience	Students of CSE dept
Date	11/03/2025
Cloud Learning	Cloud virtualization



Topics covered:**Key Highlights of the Session:**

- **Introduction to Virtual Machines (VMs):** Participants were given an overview of what virtual machines are, their use cases, and their relevance in cloud computing.
- **Scope of the Lab:** The session was designed to provide a step-by-step, hands-on experience in working with virtual machines using the Google Cloud Console and command-line tools.
- **Activating Google Cloud Console:** Students were guided through the process of activating and accessing the Google Cloud Console for their lab work.
- **Creating Virtual Machines:** Detailed methodology for creating VMs was demonstrated, including selection of virtualization platforms, operating systems, and application of special configurations.
- **Hardware Configuration Details:** Explanation of VM configurations such as selecting the number of CPUs, amount of RAM, and disk storage was provided.
- **Security Configurations:** Key security practices such as setting up firewalls, managing access controls, and secure SSH usage were discussed and implemented during the lab.
- **File Permissions Management:** Commands related to changing file permissions were introduced, explaining their importance in maintaining secure environments.
- **Installing and Running Apache Server:** Demonstration of installing the Apache web server and deploying a sample HTML program.
- **Installing NGINX Server:** Instructions were provided for installing the NGINX web server and validating its successful deployment.
- **Creating Instances via Console and gcloud CLI:** Participants created VM instances both via the Google Cloud Console and using the gcloud command-line interface, highlighting flexibility in cloud resource management.

Conclusion:

The inter-department event delivered by the Google Cloud Club (CSE – AI & ML) was well-received and provided CSE students with comprehensive, practical exposure to cloud computing and virtualization using GCP. The session equipped attendees with essential technical skills, spanning from basic VM creation to deploying web servers and using CLI tools. The event successfully demonstrated peer-driven technical training and fostered collaboration and knowledge sharing among departments.

COMPETITION

1. The Cloud Sprint Challenge

Date: 26/02/2024

The Cloud Sprint Challenge was a high-energy team competition where pairs of participants raced to complete Google Cloud Skill Boost labs. The event tested knowledge of GCP services through three timed rounds, requiring teamwork, speed, and accuracy. Participants worked individually in turns, switching roles each round, and collaborated in the final stage. Progression depended on correctly answering questions after each lab. The challenge promoted hands-on learning and cloud skills development, with prizes awarded to the top-performing teams based on speed and accuracy.



Winners:

Places	Team name	Team members
1	Dynamic duo	Dimple Priya P M and Poojitha K D
2	Celestial Dames	Pavana Karanth and Yashaswini S
3	Techies	Deeksha R Bhatt and Pallavi B L

2.The Cloud Sprint Challenge 2.O

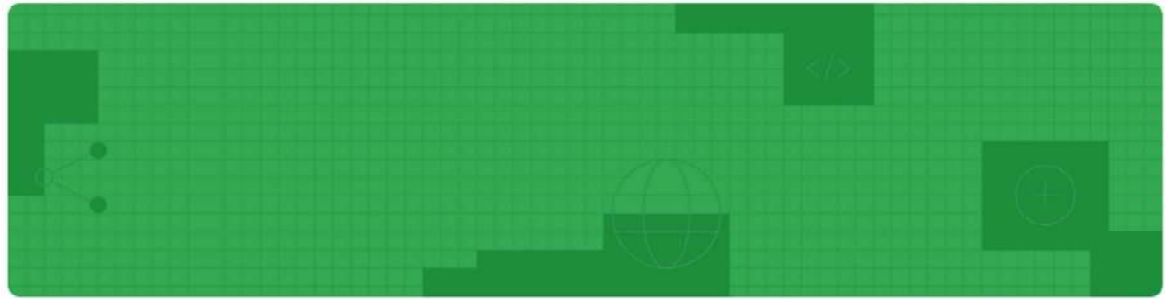
Date: 16/05/2025

The Cloud Sprint Challenge 2.o was a dynamic and engaging team-based competition designed to test participants' knowledge and skills in cloud computing and Google Cloud Platform (GCP). Teams of two competed through three progressive rounds: a QR code-based cloud quiz, a Cloud Pictionary game to identify cloud functionalities, and a hands-on lab challenge using the Google Cloud Skills Boost platform. Each round combined time pressure, teamwork, and technical understanding, with disqualification rules to ensure fairness. Top teams were rewarded based on accuracy and speed, making it an exciting and educational cloud learning experience.



Winners:

Places	Team name	Team members
1	Twintastic	Dhanya R Bhat & Varshini G Bhat
2	The Cloud Core	Amulya.HR & Brundha.M
3	Alpha squad	Lavanya R & Keerthana G



GDG on Campus GSSS Institute of Engineering and Technology for Women - Mysore, India

676 Group Members



GDG Lead: Bhoomika Rajshekar, 8th Sem, CSE (AI&ML)



GDG Core Members:

1. Fiza Naaz, 8th Sem, CSE (AI&ML)
2. Vinutha J, 8th Sem, CSE (AI&ML)
3. Deepthi R, 6th Sem, ISE
4. Swasti M Petkar, 4th Sem, CSE (AI&ML)
5. Thrisha M C, 6th Sem, ECE
6. Sahithya G N, 6th Sem, AI-DS

#	Event name	Speaker	Event date
1	Orientation session on GDG	Bhoomika MR, Fiza Naaz Divya S	18/09/2024
2	GDG Kickstart - 2024	Dr Manjuprasad B, Bhoomika MR	30/09/2024
3	Tech-winter break GSSS Web and Android	Bhoomika MR, Vinuta J	10/12/2024
4	Build with AI	Dr.ManjuPrasad B Swasti M Petkar, Chandana S, Aditi, Srinidhi R, Chithsukhi C V, Sarah Mariam Mathew	27/03/2025

List of Activity



Mar 27, 2025

Workshop / Study Group

Build using GenAIGDG on Campus GSSS Institute
of Engineering and Technology
for Women - Mysore, India

Dec 10, 2024

Workshop / Study Group

Tech-winter break GSSS
Web and AndroidGDG on Campus GSSS Institute
of Engineering and Technology
for Women - Mysore, India

Oct 18, 2024

Workshop / Study Group

Build With AIGDG on Campus GSSS Institute
of Engineering and Technology
for Women - Mysore, India

Sep 30, 2024

Info session

GDG kickstart - 2024GDG on Campus GSSS Institute
of Engineering and Technology
for Women - Mysore, India

1. ORIENTATION SESSION ON GDG

About the event:

An engaging orientation session was conducted for first-year students under the banner of Google Developer Group (GDG) On Campus at GSSSIETW. The primary aim of this session was to introduce students to the global and campus-level developer communities and help them understand the opportunities and benefits they can gain through active participation. The session featured three speakers from senior years who shared their knowledge and experience with GDG, Google Cloud, and student-led tech communities.

Speakers	Bhoomika MR, Fiza Naaz, Divya S
Target Audience	1st Year Students
Date	18/09/2024
Cloud learning	Cloud exploration, GCP basics



Topics covered:**Introduction to GDG & GDSC – Bhoomika MR**

Bhoomika MR started the session by introducing the concept of the Google Developer Group (GDG) and the Google Developer Student Clubs (GDSC). She explained the mission of these communities in creating learning environments where students can grow through workshops, peer-to-peer support, and collaborative projects. She shared details of events and workshops organized under GDG and GDSC at GSSSIETW and emphasized the importance of networking and gaining real-world tech exposure. Bhoomika also spoke about success stories and highlighted how student participation in these communities can lead to internships, certifications, and skill development.

Overview of Google Cloud Club – Fiza Naaz

Fiza Naaz presented an insightful session on the Google Cloud Club established within the CSE (AI & ML) department. She explained the club's vision to build cloud competency among students and how it has successfully conducted multiple training events, courses, and workshops on Google Cloud Platform (GCP). Fiza showcased various achievements of the club, including the completion of Google Cloud courses, participation in campaigns like "30 Days of Google Cloud," and the swags (certificates, badges, T-shirts, and accessories) earned by students. She highlighted how club members are actively learning cloud concepts like virtual machines, databases, Kubernetes, and serverless functions, helping them build strong technical portfolios.

Hands-on Demo of Google Cloud Skill Boost – Divya S

Divya S conducted a practical demonstration on using Google Cloud Skill Boost – Google's hands-on training platform for cloud technologies. She guided the students through the process of logging into the platform, enrolling in labs, and performing cloud-based tasks using the Skill Boost Arcade. Divya also demonstrated the interface of the arcade game that gamifies the learning experience by awarding points and badges upon completion of cloud labs.

Conclusion

The orientation session successfully introduced first-year students to the opportunities available through GDG, GDSC, and the Google Cloud Club. The session not only provided theoretical insights but also practical guidance on how to get started with cloud technologies and developer communities. Students left the session with a clear roadmap of how to begin their journey in tech, empowered by peer-led inspiration and real-world tools.

2. GDG KICK START - 2024

About the event:

An engaging orientation session was conducted under the banner of Google Developer Group (GDG) On Campus at GSSSIETW to kickstart the community's activities for the year 2024. The primary objective of this session was to introduce students to the GDG ecosystem, highlight the upcoming events and opportunities, and encourage active participation in the developer community. The session was led by Professor and Head Dept of CSE(AI&ML) Dr.Manjuprasad B and senior student members Bhoomika MR who shared their insights and enthusiasm for tech communities and upcoming GDG initiatives.

Speakers	Dr Manjuprasad B, Bhoomika MR
Targeted audience	GDG Members
Date	30/09/2024
Cloud learning	Exploration of GDG



Topics Covered:

Introduction to GDG & Year Roadmap – Dr. Manjuprasad B

Dr. Manjuprasad B opened the session by introducing the concept of the **Google Developer Group (GDG)** and its mission to create a collaborative space for tech enthusiasts. He explained

how GDG operates at both global and campus levels, providing students with access to resources, networking opportunities, and a chance to build real-world skills. He also provided a comprehensive **overview of the upcoming year**, highlighting GDG's focus on practical learning, community-driven events, and exposure to cutting-edge technologies. Dr Manjuprasad B encouraged students from all technical backgrounds to actively engage, stressing how the community fosters both personal growth and professional development through consistent participation.

What Will GDG Do & Events Planned – Bhoomika MR

Bhoomika MR then took over to present the wide array of events and initiatives planned under GDG for 2024. She outlined how GDG will deliver value through:

- **GenAI Study Jam** – A hands-on learning series focused on Generative AI.
- **Tech-Talks & Interactive Learning Events** – Sessions to explore trending topics and gain insights from experts
- **Fun and engaging workshops** to make learning approachable and enjoyable **Collaborative Events** with other communities for broader exposure.
- A **Year-End Event** to celebrate achievements, recognize contributors, and showcase learning outcomes. Bhoomika concluded by encouraging students to take ownership, volunteer, and make the most of the year ahead through GDG's initiatives.

Conclusion

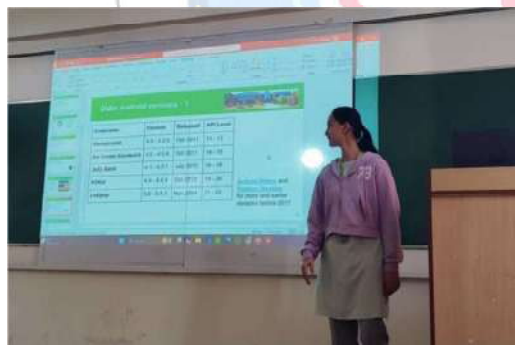
The **GDG Kickstart 2024** session successfully introduced students to the GDG ecosystem and laid out a clear, exciting roadmap for the year. Led by Dr Manjuprasad B and Bhoomika MR, the session inspired students to join the community, learn new technologies, and become a part of something bigger than the classroom.

3.TECH-WINTER BREAK WEB AND ANDROID

About the event:

A dynamic and informative session was conducted under the banner of **TechWinter Break** at GSSSIETW as part of the Google Developer Group (GDG) On Campus initiatives. The primary goal of this session was to provide students with an opportunity to explore web technologies, learn modern development frameworks, and gain awareness of legacy platforms still relevant in the industry. The session was presented by active GDG student members and focused on both theoretical understanding and practical exposure.

Speakers	Bhoomika MR, Vinuta J
Target Audience	GDG Members
Date	10/12/2024
Cloud learning	Fundamentals of front-end development



Topics covered:**Web & Angular Development – Bhoomika MR**

Bhoomika MR delivered an engaging session on **Web and Angular Development**, introducing students to the fundamentals of front-end development. She started with the basics of HTML, CSS, and JavaScript, and gradually moved into the Angular framework. Bhoomika explained the architecture of Angular applications, components, services, and routing mechanisms. She showcased how Angular supports scalable web application development and demonstrated building a basic dynamic web app using Angular CLI. Students gained a practical understanding of how modern web applications are structured and deployed.

Understanding Older Android Versions – Vinuta J

Vinuta J presented an insightful session on the evolution of **Android OS**, focusing specifically on **older Android versions**. She walked students through the journey of Android from its early releases like Cupcake and Donut to legacy versions such as Lollipop and Marshmallow. Vinuta highlighted the major features, UI changes, and API limitations of these versions. She emphasized the importance of understanding older versions for maintaining backward compatibility and supporting apps on low-end devices. The session helped students recognize the growth of Android over time and its impact on modern app development.

Conclusion

The **TechWinter Break** session provided valuable insights into both modern and legacy technologies. Through sessions on Angular-based web development and Android OS history, students gained a balanced view of current trends and foundational knowledge. The event reinforced the importance of continuous learning and staying adaptable in the ever-evolving tech landscape.

4.BUILD USING AI

Speakers	Dr.ManjuPrasad B, Swasti M Petkar, Chandana S, Aditi, Srinidhi R, Chithsukhi C V, Sarah Mariam Mathew
Target Audience	GDG On Campus members
Date	27/03/2025
Cloud Learning	GenAI basics

About the event:

A dynamic and insightful session on Generative AI was conducted as part of the TechWinter Break at GSSSIETW under the Google Developer Group (GDG) On Campus initiatives. The session began with an address by Dr. Manjuprasad, HOD of CSE (AI&ML), highlighting real-world applications of GenAI and key machine learning concepts. GDG student volunteers then introduced GenAI, Google Cloud's Vertex AI, and the Google Cloud Platform (GCP), offering practical demonstrations and hands-on labs. The session aimed to provide students with foundational knowledge and practical skills in the emerging field of AI and cloud technologies.



**Topics covered:**

The session commenced with an insightful address by Dr. Manjuprasad Sir(HOD of CSE(AI&ML) Department), who elucidated the practical applications of Generative AI (GenAI) across diversereal-world scenarios. His discourse further encompassed the methodologies for implementing machine learning techniques, accompanied by a concise yet comprehensive overview of fundamental machine learning algorithms.

Subsequently, the session transitioned to the volunteers, who provided a foundational introduction to GenAI and Google Cloud's Vertex AI platform. To illustrate the capabilities of these technologies, they presented compelling real-world examples through the dynamic application of various prompts to ChatGPT.

Expanding on the technological landscape, the session incorporated a detailed exposition on the operational framework of the Google Cloud Platform (GCP). This segment clarified the symbiotic relationship between GenAI and GCP, highlighting the array of features and internal mechanisms offered by GCP. This provided the student audience with valuable insights into the architecture and functionalities of GCP. The entire session was meticulously structured and delivered over a duration of 90 minutes.

Conclusion:

At the conclusion of the immersive session focused on building with GenAI, all attendees received due acknowledgement and credit for their active participation. Furthermore, participants gained significant insights into the burgeoning field of Generative AI, the current AI boom, and a comprehensive understanding of Google Cloud and the Google Cloud Platform, including Vertex AI prompt design.

2. GENERATIVE AI STUDY JAM

The Gen AI Study Jam was an interactive learning session focused on introducing participants to the fundamentals of Generative AI. Through guided labs and hands-on activities on the Google Cloud Skills Boost platform, attendees explored core concepts such as large language models (LLMs), responsible AI practices, and real-world applications of Gen AI. The session provided a beginner-friendly yet practical approach, helping participants build foundational skills in using Generative AI tools and technologies. It encouraged collaborative learning, with participants earning skill badges upon completion of labs.

Recognized Participants for Successful Completion of the Study Jam and

Deepthi R	Supraja.Raavi	Rakshita	Anusha K R	MEDHINI R	Sridevika T R
Amrutha K V	Supriya Nandagaon	Sahana C	Akanksha A	Varshini G Bhat	Varshitha V
Bhanu Shree A	SUSAN SAJU	Vaishnavi R S	Shreya KP	Dhanya G	Jasna Fathima K
Bindushree GS	Sushmitha S	Harshitha K N	Lavanya J S	Divya KN	Ruchitha S
Chandana K T	Thrisha M C	Tejashwini N	Chinmayi S	R. Lavanya	Manogna
C Veeksha	THRUPTHI K N	H Anusha	Diya Suraj Ballal	Thejashree B	Priya.N
Fiza Naaz	H N Niharika kothval	N D PANNAGA	SPOORTHY T P	Dhathri R	Yashashwini C
Ananya Naik	Jayshree MN	Spoorthi Koorgalli Shivakumar	Monisha B G	Nagachinmayei C	Pavithra K
Shreya N	Monica MP	Harshitha N	Rishika S	Mamatha P	B Bharati
Arpitha Bekal	Nithyashree N	M Akshata	Khushi Agrawal	Manasa K	Prathiksha R
Krishika R					

ARCADE ACHIEVERS

The Arcade Achievers are participants who successfully completed various tiers of challenges on the Google Cloud Arcade platform. Through consistent effort and active participation in completing hands-on labs and quests, these individuals demonstrated their commitment to learning and skill development in cloud technologies. Their achievements were recognized with exclusive Google Cloud swags, awarded based on the completion of designated milestones within the platform.

Lakshmi M M	Ananya R Naik	Anu
Ashwini D	Chandana B	Monica MP
Monisha G	Deeksha R Bhatt	Divya KN
Supraja.Raavi	Apoorva k	Pallavi BL
Ankita Venugopal	Jasna Fathima K	Sheethal S Gowda
Shibha	Sonika P	Rohana G
Yashaswini S	Sandhya Gangadhara Bhat	Divya S

Receipt of Swag Rewards:



Google Cloud Career Launchpad Program

(Previously Career Readiness)

Google Career Launchpad is a **no-cost Cloud Learning program for higher education institutions** (as well as government and nonprofit workforce development organizations) that enables new-to-industry learners with **in-demand skills in gen AI, data analytics, cybersecurity, cloud engineering and more**. The program includes no-cost access to a selection of entry-level Cloud Certificates and skill badge courses.

Benefits for Students and Faculty:

- Gain in-demand skills
- Practice with hands-on labs
- Earn Google Cloud Certificates and credentials
- Prepare for a cloud-first workplace

Why facilitate the Career Launchpad Program

With Google Cloud Certificates¹ and credentials, faculty facilitators can help students gain the practical skills and knowledge to excel in today's technology-driven market.

Empower future cloud talent

New Google Cloud Certificates and courses help prepare your students for in-demand jobs in generative AI, cybersecurity, and data analytics.

Impact student success

Support your students' learning with access to Certificate Educator Guides and Google Cloud Skills Boost credits to incorporate additional hands-on labs in your coursework.

 Faculty-facilitated, on-demand learning program

Students will

- Gain 6-month, no-cost access to the selected [Google Cloud Certificate](#) on Google Cloud Skills Boost
- Earn a [Google Cloud Certificate](#) or [Google Cloud skill badge](#) credential upon completion that can be shared to demonstrate proficiency
- Access career prep resources and [Interview Warmup](#)

Instructors will

- Gain 6-month, no-cost access to the selected [Google Cloud Certificate](#) on Google Cloud Skills Boost
- Receive an [educator guide](#) and resources to facilitate the program

 Google Cloud Cybersecurity Certificate Google Cloud Data Analytics Certificate Google Cloud GenAI skill badge course pathways Google Cloud Computing Foundations Certificate Google Cloud Engineering Certificate Google Cloud Digital Leader course

Thank you for signing up for the Google Cloud Career Launchpad program - GSSS Institute of Engineering and Technology for Women Inbox x



Akshit Jain

@google.com>

Mar 3, 2025, 2:04 PM



to me ▾

Dear Prof. Manjuprasad,

Thank you so much for signing up for the Google Cloud Career Launchpad (*previously Career Readiness*) Program. We are glad to have your institute become a part of this journey.

I am Akshit, the Program Manager for Google Cloud Career Launchpad and I will be your POC for the program at Google. There are a lot of things that you need to know before you can start working on the program and we would love to share that information with you once you confirm your participation in the program.

Generative AI Leader

Course Pathway Overview

This three-course pathway helps learners build expertise in generative AI. It provides an overview of generative AI concepts, from the fundamentals of large language models to responsible AI principles. The courses provide examples of how Gemini can help make engineers of all types more efficient in their daily activities and how to incorporate pre-built GenAI models into workflows.

Prerequisites

None

Duration

~30 hours

3 courses pathways, including 3 skill badge credentials

Course Objectives

- ✓ Articulate the capabilities of core cloud products and services and understand how they benefit organizations.
- ✓ Explain the opportunities and challenges companies encounter in their digital transformation journey.
- ✓ Understand the value of data to an organization and how Google Cloud can make data useful and accessible.
- ✓ Understand how businesses can modernize infrastructure and applications using cloud technology.
- ✓ Explain the basics of cloud security and the value of Google Cloud's multilayered approach to infrastructure security.
- ✓ Understand the fundamental concepts of modern operations, reliability, and resilience in the cloud.

#GoogleCloudReady

Career Launchpad: Student progress report is here!

[Visit Dashboard](#)

Metric	Value
No. of students enrolled	39
No. of total completions	22
No. of course completions	728
No. of Skill Badge completions	92
No. of inactive students ¹	0
No. of wrong applications ²	0

Milestone #1: Drive all 21 course completions amongst all students

88% Completed

728/819

Milestone #2: Drive all 3 skill badge completions amongst all students 

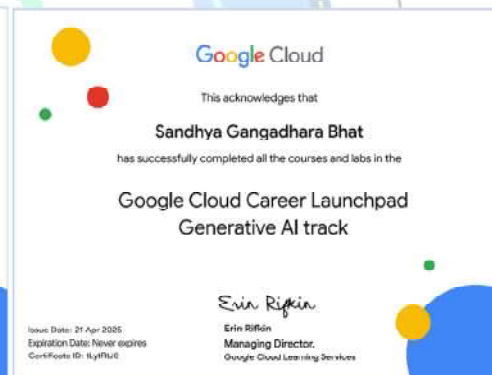
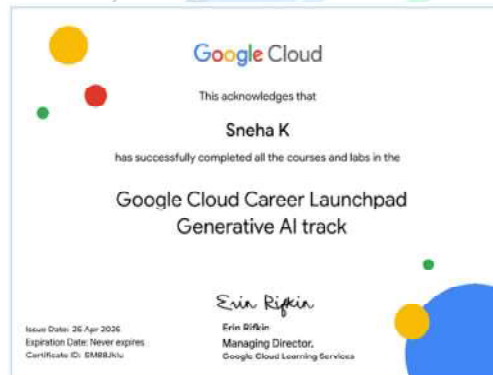
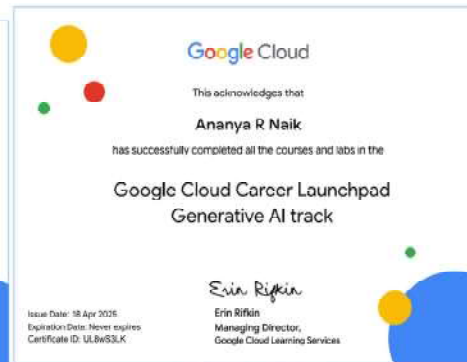
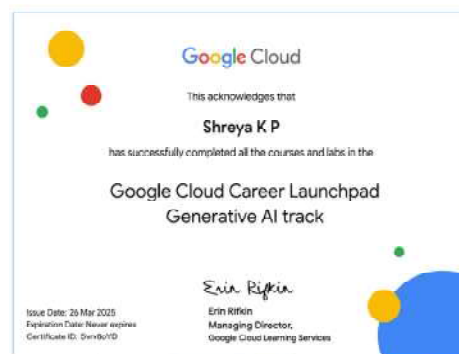
78% Completed

92/117

List of Students:

S.N	Student	Dept.	Course Completed	Skill Badge
Successfully Completed				
1.	Ankita Venugopal	6 th Sem, CSE(AI-ML)	21	3
2.	Deeksha R Bhatt		21	3
3.	Rakshitha B M		21	3
4.	Sandhya Gangadhara Bhat		21	3
5.	Divya S		21	3
6.	Sneha K		21	3
7.	Shrenitha k		21	3
8.	Thanishka S		21	3
9.	Chandana BL		21	3
10.	Shiny N		21	3
11.	Keerthana YP		21	3
12.	SAHITHYA G N	6 th Sem, AI-DS	21	3
13.	Pallavi BL	6 th Sem, CSE(AI-ML)	21	3
14.	Apoorva K		21	3
15.	Ananya R Naik		21	3
16.	Anu		21	3
17.	Shreya K P		21	3
18.	Chandana B		21	3
19.	Tejaswini S	6 th Sem, AI-DS	21	3

20.	Monisha G	6 th Sem, CSE(AI-ML)	21	3
21.	Monica MP		21	3
22.	Rohana G		21	3
In Verge of Completion				
23.	Vaishnavi R S	6 th Sem, CSE(AI-ML)	11	1
24.	Nagashree N		12	1
25.	Varshini S		15	1
26.	Arpitha p		20	2
27.	Jyothi Lakshmi B.S		20	3
28.	Sonika P		20	3
29.	Sinchana N		20	3
30.	Sushmitha G		20	2
31.	Chethana K		19	2
32.	Usha Rathore	6 th Sem, AI-DS	9	1
33.	Arpita Hontale	6 th Sem, AI-DS	5	0
34.	Dhanyashree C	6 th Sem, AI-DS	19	2
35.	Sirikura Gayathri	6 th Sem, AI-DS	15	1
36.	Sharanya C	6 th Sem, CSE(AI-ML)	19	0
37.	Ashwini D		21	2
38.	Shambhavi		17	2
39.	Roshni A		4	0



Google Cloud for Education

The Google Cloud Teaching & Learning credits program provides credits for faculty and students by Google at no-cost

You were granted 5000 Google Cloud Skills Boost Credits External Inbox x

noreply@cloudskillsboost.google
to me ▾



Manjuprasad Balaraju,

Congratulations. You have been granted 5000 Credits from Google Cloud Skills Boost. Your credits are available for immediate use in your Google Cloud Skills Boost account.

Order ID: G-206349e4-5c3f-4f2f-8258-fa4d56697d5a-1740731298.7378056

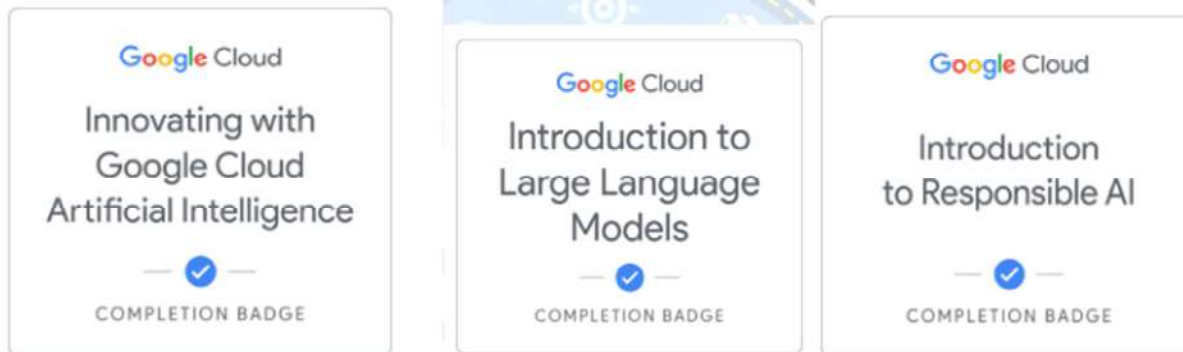
Description	Quantity	Unit Price (\$)	Total (\$)
Google Cloud Skills Boost Credits	5000	\$1.00	\$5000.00
Discount	—	100%	-\$5000.00
Total	—	—	\$0.00

Thank you,
Google Cloud Skills Boost Support



Achievers Stats

- Swags from Google via Arcade: **21**
- Total Skill Badges Earned: **1,594**
- Students Who Earned Skill Badges: **76**
- Total Courses Completed: **978**
- GDG Student Members: **676**
- Participants in Study Jam Sessions: **61**



Compute Engine

Virtual machines running in Google's data center.



Cloud Storage

Object storage that's secure, durable, and scalable.



BigQuery

Data warehouse for business agility and insights.



Google Kubernetes Engine

Managed environment for running containerized apps.



Vertex AI

Unified platform for ML models and generative AI.



Looker

Platform for BI, data applications, and embedded analytics.



Cloud SQL

Relational database services for MySQL, PostgreSQL and SQL Server.



Cloud SDK

Command-line tools and libraries for Google Cloud.



Cloud CDN

Content delivery network for delivering web and video.