



MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
(UGC-AUTONOMOUS INSTITUTION)



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**A Report on Hands on Workshop on
"Getting started with Google Cloud"**

**Organized by Department of Computer Science & Technology
in association with ISTE Student Chapter
on 10.05.2025**

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
(UGC - AUTONOMOUS INSTITUTION)
Madanapalle - 517325, Annamayya Dist., Andhra Pradesh, India

One day Hands-on Workshop
on
"Getting started with Google cloud"
Organized by
Department of Computer Science and Technology
In Association with ISTE Student Chapter

Date : 10-05-2025 **Time : 9:30AM to 4:30PM** **Venue : Lab-09 & 10**

Resource Persons

Mr. Madu Midhan
Data Engineer Associate,
Accenture India

Ms. Shaik Nasreen
Data Engineer Associate,
Accenture India

Staff of the Department of Computer Science and Technology:

Chief Patron	Patron	Program Chair	Convener	Coordinator	Student Coordinator
Dr. N. Vijaya Bhaskar Choudhary Secretary & Correspondent	Mrs. Kaveri Vaidya Executive Director	Dr. C. Venkai Principal	Dr. K. Dinesh HOD, Dept. of CST	Mr. P. Lakshmiramana Asst. Prof. Dept. of CST	S. Talwar Reddy

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Report Submitted by: Mr. P Lakshmiramana, Assistant Professor, Department of CST

Resource Person details: Mr. Madhu Midhan & Ms. Shaik Nasreen, Data Engineer Associate Accenture India Pvt. Ltd., Bengaluru.

Participants: ISTE registered Students of II Year II Semester CST.

Attendance: 70 (Internal)

Venue: WB – 322 & CC Lab-09

Mode of Conduct: Offline

Report Received on 17.05.2025.

Department of Computer Science & Technology has organized Hands on Workshop on “Getting Started with Google Cloud” on 10-05-2025, from 9:30PM to 4:30PM.

Objective of the Event:

The Department of Computer Science and Technology at Madanapalle Institute of Technology & Science (MITS), in association with the ISTE Student Chapter, organized a one-day hands-on workshop titled “Getting Started with Google Cloud” on 10th May 2025. The workshop was held in WB-322 & Lab-09 and ran from 9:30 AM to 4:30 PM. The objective of the workshop was to introduce students to the fundamentals and practical applications of Google Cloud Platform (GCP). It aimed to provide a blend of theoretical knowledge and hands-on experience with cloud services such as Compute Engine, App Engine, Cloud Storage, and BigQuery.

Inaugural Session:

The workshop commenced with a warm welcome address by Mr. P. Lakshmiramana, Assistant Professor in the Department of Computer Science and Technology. He emphasized the importance of such technical workshops in bridging the gap between academic learning and industrial expectations. His opening remarks set a positive tone for the event and highlighted the institution's commitment to providing practical learning opportunities.

Following this, Dr. K. Dinesh, Head of the Department of Computer Science and Technology, took the stage to deliver the keynote address. In his speech, Dr. Dinesh elaborated on the growing significance of cloud computing in the IT industry and the critical role it plays in modern digital infrastructure. He pointed out that gaining hands-on experience with platforms like Google Cloud is essential for students aiming to pursue careers in data engineering, machine learning, and software development. He encouraged all participants to make the most of the session and interact actively with the resource persons.

Technical Sessions:

The workshop featured two resource persons from Accenture India:

- Mr. Madu Midhan – Data Engineer Associate
- Ms. Shaik Nasreen – Data Engineer Associate

Both speakers brought industry-level insights and real-time applications to the participants.

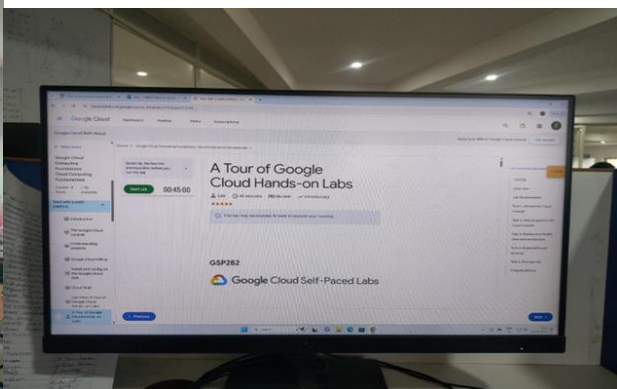
Morning Session – Theoretical Introduction:

The first half of the workshop was dedicated to theoretical insights into Google Cloud Platform (GCP). Mr. Madu Midhan initiated the session with a comprehensive overview of cloud computing fundamentals, followed by an introduction to Google Cloud's architecture, core services, and deployment models.

Key topics covered included:

- Understanding Cloud Computing: IaaS, PaaS, SaaS
- Introduction to Google Cloud Platform
- Overview of GCP services: Compute Engine, App Engine, Cloud Storage, BigQuery
- Real-world use cases and industry adoption of GCP
- Certification pathways and career opportunities in Google Cloud

This session aimed to build a solid conceptual foundation among students about how cloud technologies are transforming business processes and IT operations globally.



Afternoon Session – Practical Hands-on Training:

The second half of the day was focused on practical training using the Google Cloud Skill Boost platform. Guided by Ms. Shaik Nasreen, students were introduced to the hands-on environment of GCP. They followed a structured lab module that allowed them to:

- Create and manage virtual machines on Google Compute Engine
- Set up cloud storage buckets and understand data storage strategies
- Deploy simple applications on App Engine
- Interact with BigQuery for data analysis
- Use Google Cloud Console and Cloud Shell effectively

The hands-on session provided students with real-time experience in managing cloud resources, understanding billing and quotas, and learning best practices in cloud usage. Students were encouraged to complete labs and collect skill badges as proof of their learning.

Outcomes of the Event:

1. Students understood the basics of cloud computing and the structure of Google Cloud Platform.
2. They learned to create and manage virtual machines using Google Compute Engine.
3. Students gained hands-on experience in deploying applications and managing cloud storage.
4. They explored data analytics using BigQuery and worked with real-time GCP tools.
5. Participants earned cloud skill badges and learned best practices in using cloud resources.



Conclusion and Feedback:

The workshop concluded with a feedback session where participants shared their experiences. Most attendees expressed appreciation for the clear explanations and the opportunity to work directly on Google Cloud. The faculty thanked the resource persons for their valuable time and knowledge-sharing efforts.

Overall, the workshop was a grand success, providing participants with both theoretical understanding and practical exposure to one of the most in-demand cloud platforms in the tech industry today.