GOOGLE CLOUD COMPUTING FOUNDATIONS

Prof. Soumya Kanti Ghosh
Department of Computer Science and Engineering
IIT Guwahati

COURSE OUTLINE :
The Google Cloud Computing Foundations course aims to provide a detailed overview of concepts covering cloud basics, big data, and machine learning and where and how the Google Cloud Platform fits in. The course involves understanding concepts and perform hands-on training (via Qwiklabs platform) to practice the learning. There are 26 labs on Qwiklabs that are part of the course.

Those enrolling for the course should ideally:

- Have basic IT knowledge and be interested in learning more about Cloud and ML.
- Have competency in at least one language (such as Python, Java).
- Be familiar with the basics of shell scripting, SQL.

Disclaimer:
Google may contact you by email to provision benefits and send surveys and other communication related to the Google Cloud Computing Foundations Course.
By joining, you agree to Google Cloud Training tracking your grades and other activity in it's learning program.

ABOUT INSTRUCTOR :
Prof. Soumya K. Ghosh received the Ph.D. and M.Tech. degrees from Department of Computer Science and Engineering, Indian Institute of Technology (IIT), Kharagpur, India. Presently, he is a Professor with Department of Computer Science and Engineering, IIT Kharagpur. Before joining IIT Kharagpur, he worked for the Indian Space Research Organization in the area of satellite remote sensing and geographic information systems. He has more than 200 research papers in reputed journals and conference proceedings. His research interests include spatial data science, spatial web services and cloud computing.

COURSE PLAN :
Week 0**:** Introduction to the course
Week 1**:** So, What's the Cloud anyway? Start with a Solid Platform
Week 2**:** Use GCP to build your Apps
Week 3**:** Where do I store this stuff?
Week 4**:** There's an API for that! You can't secure the Cloud right?
Week 5**:** It helps to network!
Week 6**:** It helps to network (continued)
Week 7**:** Let Google keep an eye on things. You have the data, but what are you doing with it?
Week 8**:** Let machines do the work