GOOGLE CLOUD COMPUTING FOUNDATION COURSE

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TYPE OF COURSE: Rerun | Elective | UG
COURSE DURATION: 8 weeks (17 Aug’ 20 - 9 Oct’ 20)
EXAM DATE: 17 Oct 2020

INTENDED AUDIENCE: Any Interested Learners

COURSE OUTLINE:
The Google Cloud Computing Foundations course aims to provide students with little to no background or experience in cloud computing, 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.

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 1: Introduction to the course, 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