



**Introduction to  
High Performance  
Computing**

**21st May 2018 –  
16th June 2018**

**Google Digital  
Marketing**

**28<sup>th</sup> May 2018 -  
16<sup>th</sup> June 2018**

**Android  
Foundation**

**7th June 2018 –  
7th July 2018**

# **Google & NVIDIA CENTERS OF EXCELLENCE 2018 SUMMER INTERNSHIP**

## **Excellent Opportunity for CVRCE students**

Google & NVIDIA Center of Excellence is offering Industry Oriented Summer Internship Courses for interested students of all Branches of B. Tech/MBA/MCA students. Students can chose any one of the three courses subject to fulfilling the prerequisites.

**For registration use the following link:**

<https://bit.ly/2HNrec7>



**C. V. RAMAN COLLEGE  
OF ENGINEERING**

Bidyanagar, Mahura, Janla  
Bhubaneswar - 752 054  
(Orissa)

# Google & NVIDIA Center of Excellence

## 2018 SUMMER INTERNSHIP – Program Details

### Android Foundation

**Course Duration:** 4 weeks

**Prerequisites:**

Knowledge of Object Oriented Concepts, Java programming, XML.

**Description:**

This course is designed for students who want to learn how to build Android apps. This course will walk a student through the process of making Android apps. By the end of this course, a student would have learnt how to build an app's layout and then practiced those skills by making a number of smaller apps. The participants can then do self-study / practice and prepare for Android Certification.

**Modules:**

1. Android Know-How
2. Android User Interface and User Experience
3. Fundamental Application Components
4. Persistent Data Storage
5. Enhanced System Integration
6. Testing and Debugging
7. Project Work

### Google Digital Marketing

**Course Duration:** 3 weeks

**Prerequisites:**

Knowledge of internet, Basic knowledge of domains, hosting and how websites work.

**Description:**

The Digital Marketing Course is an initiative designed to educate students and teachers in the area of Digital Marketing. The skills learned in this course will help students to shape their strategy to get the most out of AdWords for their business partner and help prepare them for the Google Partners AdWords Certification exams.

**Modules:**

1. Introduction to Digital Marketing
2. AdWords Fundamentals
3. YouTube Marketing Fundamentals
4. Email Marketing
5. Analytics
6. Google My Business
7. Lab Practice

### Introduction to High Performance Computing

**Course Duration:** 4 to 6 Weeks

**Prerequisites:**

Basic knowledge of Computer Organization and Architecture, Programming skills using C

**Description:**

This course looks at high performance computing using GPU accelerators. The course will give insight into how to write high performance code with specific emphasis on GPU programming with NVIDIA CUDA GPUs. A key aspect of the module will be R & D involving online material study, experimentation and project.

**Modules:**

1. Assignments on C/C++
2. Overview of Parallel architecture (Lecture)
3. Fundamental of Accelerated Computing with CUDA C/C++ (Online Resource)
4. Fundamentals of Accelerated Computing using Open ACC (Online Resource)
5. Fundamentals of Deep Learning for Computer Vision. (Online Resource)
6. Projects/Lab Work

**For further details contact:**

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