

## **IT Entrepreneurship**

**BBYDP 2017**

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### **Course Description:**

This course provides an overview of the theoretical and practical aspects of entrepreneurship in this technological era of wonder. We would try to grasp concepts of logic and programming and would explore many different tools to create applications that could be run on multiple devices and would discuss their entrepreneurial impact.

### **Course Objectives:**

- To provide an entrepreneurial approach to problem solving
- To provide a understanding of programming
- To provide a understanding of Databases
- To develop the modeling/programming skills that will help you in developing android applications
- To explore web technologies and to interact with them

### **Course Outline:**

- Week # 1: Jump Start with Programming and JAVA
- Week # 2: Android Development – Part 1
- Week # 3: Android Development – Part 2
- Week # 4: Introduction to Databases

- Week # 5: Database Architecture and SQL
- Week # 6: Introduction to Web Development
- Week # 7: Introduction to PHP
- Week # 8: Getting started with MySql and PHP
- Week # 9: REST APIs
- Week # 10: Wireframing and ERDs
- Week # 11: Ajax and Session Management
- Week # 12: Material Design and JSON
- Week # 13: Android Map Application
- Week # 14: Introduction to Facebook SDK
- Week # 15: Introduction to Firebase
- Week # 16: Project Evaluations

## **Software Tools**

- Eclipse IDE
- Android Studio
- Sublime
- WAMP