



# PACE



## IT CENTRE

### STRUCTURE OF 'A' LEVEL COURSE IN INFORMATION TECHNOLOGY REVISION-V

**A1-R5 : Information Technology Tools and Network Basics.**

**A2-R5 : Web Designing and Publishing.**

**A3-R5 : Programming and Problem Solving Through Python.**

**A4-R5 : Internet of Things and Its Applications.**

**A5-R5 : Data Structure Through Object Oriented Programming Language.**

**A6-R5 : Computer Organization and Operating System.**

**A7-R5 : Database Technologies.**

**A8-R5 : Systems Analysis, Design and Testing.**

**For modules 9 and 10, student will have to select one specialized group out of five groups.**

#### **Specialized Area: Data Analytics**

**A9.1-R5 : Big Data Analytics using Hadoop**

**A10.1-R5: Data Science using Python**

#### **Specialized Area: Web Application Development**

**A9.2-R5 : Web Application using PHP**

**A10.2-R5: Full Stack Web Application using MVC Frame Work**

#### **Specialized Area: Information Security**

**A9.3-R5 : Network Management**

**A10.3-R5: Information Security Management**

#### **Specialized Area: Internet of Things**

**A9.4-R5 :Internet of Things (IoT):A Practical Approach**

**A10.4-R5: Internet of Things (IoT) using Raspberry Pi**

#### **Specialized Area: Artificial Intelligence**

**A9.5-R5 :Artificial Intelligence Concepts and R Programming**

**A10.5-R5: Machine Learning Using Python**

**PR-I Practical-1 (Based on Modules A1-R5 to A4-R5)**

**PR-II Practical-2 (Based on Modules A5-R5 to A7-R5)**

**PJ-I Mini Project, PJ-II Major Project based on (Specialized Areas)**

**Qualification : 'O' Level Pass / Pursuing Graduation / Graduate or Above**

**Duration : 18 Months**

**Course Fees : `22,000/- (Lumpsum)**

**: `24,000/- (Installment)**

**PADHUANPADA, PROOF ROAD, BALASORE, Ph : (06782) 265756 / 9439887575 / 9437267606**