



# Centre of Excellence in Information Technology

## CEIT

At



University of Papua New Guinea



### CENTRE FOR DEVELOPMENT OF ADVANCED COMPUTING

A Scientific Society of Ministry of  
Electronics and Information



Project funded by

Ministry of External Affairs  
GOVERNMENT OF INDIA

# Why US

The Industrial valued certificates to the students successfully passing out of CEIT will be issued by CDAC.

CEIT will have fully functional training labs with modern facilities viz. interactive white board, LCD TV, Motorized screen and projection system to enhance the learning environment.

CEIT will have an experienced Trainers from CDAC deputed for two years for course delivery & centre coordination.

CEIT will have a provision to connect to India through VC for special sessions and on-line teaching.

## About ACTS

CDAC has setup the Advanced Computing Training School (ACTS) to meet the ever-increasing skilled manpower requirements of the IT industry as well as supplement its intellectual resource base for cutting edge R&D. ACTS has emerged as the top finishing school in IT training through its unique curriculum and in anticipating upcoming requirements of IT industry by launching new courses. Through its state-of-the-art training methodology, it is fulfilling its objective of creating highly skilled IT resources and recognized by major corporate in India to be a preferred high-end provider of skilled manpower in areas of ICT .

## About ICD

Over the years International Cooperation Division (ICD) CDAC Delhi has progressively grown to build an eco-system and institutional framework and acquired necessary expertise, strength and technical resources by implementing, supervising and managing large bi-lateral projects in developing countries. Till today CDAC-ICD Delhi has successfully implemented over 50 projects in Africa, East Europe, South-East Asia, Central Asia, Middle East, Arab, Latin America and Pacific Island Countries in close association with Ministry of External Affairs (MEA) and Ministry of Electronics & IT(MeitY), Government of India.



# About CEIT

"India - Papua New Guinea Centre of Excellence in IT" in Papua New Guinea- National Capital District at University of Papua New Guinea (UPNG), is the outcome of the interest of the Papua New Guinea government in seeking assistance from India for development of ICT in Papua New Guinea. An MoU was signed between the two countries for training in the specialized field of IT and expanding the area of cooperation between the two countries in these fields. The Government of India proposed the setting up of CEIT having international outreach for imparting ICT education in Papua New Guinea. The Ministry of External Affairs (MEA), Government of India, entrusted the responsibility for setting up of a CEIT at UPNG in Papua New Guinea- National Capital District, to Centre for Development of Advanced Computing (C-DAC).

CEIT is targeted to offer courses on basic IT education, intermediate level certificate courses as well as a finishing school oriented course.

CEIT is equipped with state-of-the-art IT infrastructure at two fully functional training labs with modern facilities viz. Desktop Computers, Laptops, Printers, Software, Interactive White Board, Video Conferencing, TV, Projection System, Student Feedback Response System etc. to enhance the learning environment.

CEIT will offer latest courseware and reference books for training of Teachers, Students, Government Officials & Working Professionals.

CEIT will develop Master Trainers during the first two years to take on the activities after the departure of C-DAC trainers.

CEIT in Papua New Guinea will emerge as the top finishing school in IT training through its unique curriculum and in addressing upcoming requirements of IT industry by launching new courses.

Through its state-of-the-art training methodology, it will fulfill its objective of creating highly skilled IT resources and will be recognized by major corporate in Papua New Guinea. Majority of the students will get placed and shall acquire high positions in the industry. At one front, Institute will assist Papua New Guinea to leap frog into IT and at the other hand will bridge the digital divide of urban and rural students.

CEIT will produce value-added human capital for research & software development in Papua New Guinea. The quality of education at other higher learning institutions in the other region of Papua New Guinea will be improved by CEIT educated faculty & trained students.

## About C-DAC

Centre for Development of Advanced Computing (C-DAC) is the premier R&D organization of the Ministry of Electronics and Information Technology (MeitY) for carrying out R&D in IT, Electronics and associated areas.

C-DAC has today emerged as a premier R&D organization in IT&E (Information Technologies and Electronics) in the country working on strengthening national technological capabilities in the context of global developments in the field and responding to change in the market need in selected foundation areas.

As an institution for high-end Research and Development (R&D), C-DAC has been at the forefront of the Information Technology (IT) revolution, constantly building capacities in emerging/enabling technologies and innovating and leveraging its expertise, caliber, skill sets to develop and deploy IT products and solutions for different sectors of the economy, as per the mandate of its parent, the Ministry of Electronics and Information Technology, Ministry of Communications and Information Technology, Government of India and other stakeholders including funding agencies, collaborators, users and the market-place.

## About UPNG

The University of Papua New Guinea (UPNG) is a university located in Port Moresby, capital of Papua New Guinea. It was established by ordinance of the Australian administration in 1965.

The UPNG offers various programs in Medicine, Pharmacy, Health Sciences, Physical and Natural Sciences, Law, Business, Humanities, Social Sciences, Sustainable Development fields.

### Vision

The Vision of the University of Papua New Guinea is to be the Premier University dedicated to excellence and providing quality education, research, and service to Papua New Guinea and the Pacific.

### Mission

The Mission of the University of Papua New Guinea is to deliver excellent education and research results for nation building and global advancement towards an innovative and empowered society.

**Eligibility:** Any Engineering/  
Science Graduate

**Duration:** 320 Hrs

### Certificate Course in Business Computing (CCBC)

Fundamentals of Computer and OS concepts	20hr
Advanced MS Office with Access	30hr
C Programming	30hr
Software Development Life Cycle	16hr
OOP with C++with DS	40hr
Database Technologies	30hr
VB .NET as FrontEnd	54hr
Management Development Program	60hr
Project	40hr

### Certificate Course in Advanced Information Technology (CCAIT)

Fundamentals of Computer and OS concepts	20hr
Advanced Ms Office with Access	30hr
C Programming	30hr
Software Development Life Cycle	16hr
OOP with C++with DS	40hr
Database Technologies	30hr
VB .NET as FrontEnd	54hr
Management Development Program	60hr
Project	40hr

**Eligibility:** Any Engineering/  
Science Graduate

**Duration:** 320 Hrs

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Science Graduate

**Duration:** 320 Hrs

### Certificate Course in JAVA Programming (CCJP)

Fundamentals of Computer and OOPS concepts	26hr
Software Development Life Cycle	12hr
Database Technologies	30hr
Foundations of Web Technologies	32hr
Core Java	50hr
Enterprise Java	70hr
Management Development Program	60hr
Project	40hr

### Certificate Course in Advanced Web Technologies (CCAWT)

Computer and Programming Concepts	40hr
Web Programming -1 (HTML,CSS,XML,Ajax)	60hr
Database Concepts	20hr
Web Programming -2 (PHP, Javascripts)	80hr
Internet Terminologies	20hr
Management Development Program	60hr
Project	40hr

**Eligibility:** Any Engineering/  
Science Graduate

**Duration:** 320 Hrs

**Eligibility:** Any Engineering/  
Science Graduate

**Duration:** 320 Hrs

### Certificate Course in Database Management (CCDM)

Fundamentals of Computer and OS concepts	20hr
C Programming	40hr
Software Development Life Cycle	16hr
Database Technologies	80hr
Database Administration	64hr
Management Development Program	60hr
Project	40hr

### **Certificate Course in Android Programming (CCAP)**

Fundamentals of Computer	20hr
Java Programming	70hr
Mobile and Wireless Technologies	20hr
Android Programming	110hr
Management Development Program	60hr
Project	40hr

**Eligibility : Any Engineering/  
Science Graduate**

**Duration: 320 Hrs**

**Eligibility : Any Engineering/  
Science Graduate**

**Duration: 320 Hrs**

### **Certificate Course in Linux System Administration (CCLA)**

Basic of Linux Administartion	50hr
Fundamentals of Networking	40hr
System Administartion	130hr
Management Development Program	60hr
Project	40hr

### **Certificate Course in Network Security (CCNS)**

Network Fundamentals	40hr
Network Defense and Counter Measures	100hr
IT Infrastructure Management	80hr
Management Development Program	60hr
Project	40hr

**Eligibility : Any Engineering/  
Science Graduate**

**Duration: 320 Hrs**

**Eligibility : Any Engineering/  
Science Graduate**

**Duration: 144 Hrs**

### **Data Communication & Networking (CCDCN)**

Introduction to Networking	26hr
Windows Server 2012	54hr
Introduction to Linux OS administration and configuration	48hr
Configuration of Routers and Switches using Simulation Tool	16hr

### **Certificate Course in Office Automation (CCOA)**

Computer Fundamentals	14hr
Client Operating System (Windows XP, Vista, Windows 7)	20hr
Database Concepts	30hr
MS Office 2010	60hr
Database Management using MS access	20hr

**Eligibility : Any Engineering/  
Science Graduate**

**Duration: 144 Hrs**

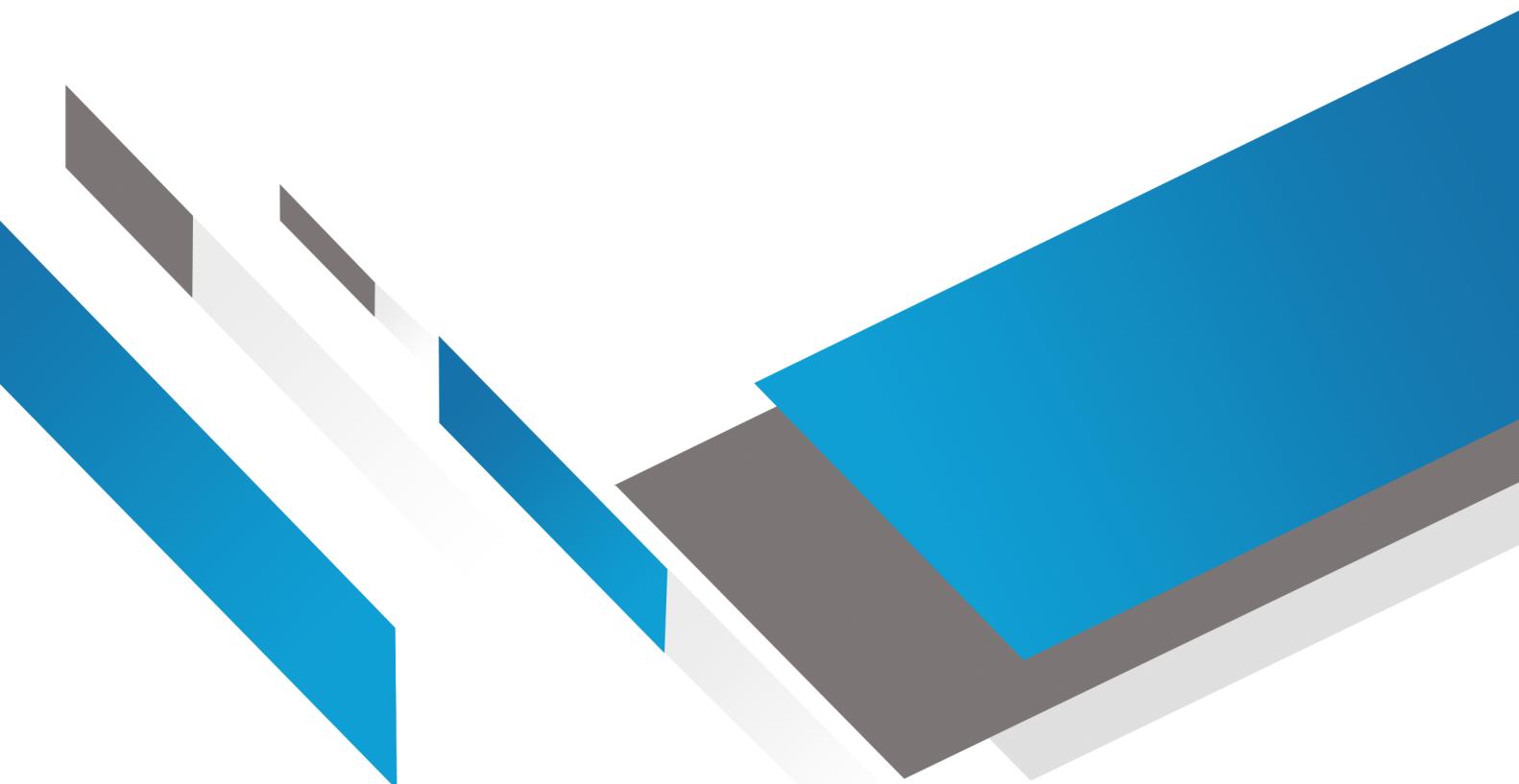
**Eligibility : Any Engineering/  
Science Graduate**

**Duration: 180 Hrs**

### **Certificate Course in Information Technology (CCIT)**

Computer Fundamentals	20hr
Selecting Components and Preparing PC	32hr
Office Automation Tools	60hr
Database Concepts and MS Access	14hr
Communication using PC	18hr
Overview of Networking	36hr

# Contact Us



## How to apply:

Visit : [www.<><><><>.com](http://www.<><><><>.com)

## UPNG:

University of Papua New Guinea  
PO Box 320, University 134  
National Capital District  
Papua New Guinea  
Tel: (675) 326 0900/7200/7201  
Fax: (675) 326 7187

## ACTS:

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Centre for Development of Advanced Computing  
5th floor, Innovation Park,  
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Pashan, Pune, Maharashtra - 411008  
Tel: 18008430222  
Email: [actssupport@cdac.in](mailto:actssupport@cdac.in)

## CEIT:

Centre of Excellence in IT  
First Floor, Student Union Building  
University of Papua New Guinea  
PO Box 320, University 134  
National Capital District  
Papua New Guinea

## CDAC:

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Web: [www.cdac.in](http://www.cdac.in)

## ICD:

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