DEPARTMENT OF INFORMATION AND COMMUNICATION TECHNOLOGY

Advanced Certificate Programme in Software and Computing Technologies (ACP-SCT)
9-Months, Full-time

Today, India has emerged as the Information and Communication Technology (ICT) superpower, thanks to the Govt. of India for their continuous effort. The Industry body, NASSCOM says, "India's software export raises up to 16% -18% in the financial year 2011-2012 and the demand for software outsourcing services remains strong in Western clients". Most importantly, India has now become the world's R&D (Research & Development) hub attracting world leaders like IBM, Microsoft, Google, Yahoo, Cisco, Ericsson, Intel, Motorola, Analog services, Samsung, LG, Sony and others who have set up large R&D centres in India for developing future generation technology products and services. The demand for Information Systems (IS), Information Technology (IT), Software Training, and R&D have been growing. Therefore, employment opportunities are plenty. Advanced technologies like Business Intelligence, Data mining, Web services, Cloud Computing, Big data, etc are in the forefront. Adequate skilled human resource is highly desired for advanced IS development. Apart from traditional IT training, one should acquire knowledge in advanced technologies to meet the requirements of new generation system development. The objective of the Advanced Certificate Programme in Software and Computing Technologies (ACP-SCT) is to nurture competent and productive professionals to meet the new generation system development of ICT industry.

Course Structure

Level - I

Course code	Course name	Credits
SCT-001	Object-Oriented Analysis and Design using Unified Modelling Language and Design Patterns	[2T+1L]
SCT-002	Programming Languages	[2T+1L]
SCT-003	Database Application Development	[2T+1L]
SCT-004	Application development using: Java /.Net	[2T+1L]
SCT-005	Business Intelligence using Data Warehouse	[2T+1L]
SSD-001	Soft Skills Development - I	2T
SCT-006	Mini-Project - I	3
	Total credits	**20**

Level - II

Course code	Course name	Credits
SCT-008	Linux Kernel Programming	[2T+1L]
SCT-009	Software Quality & Project Management	[2T+1L]
SCT-010	Cloud Computing	[2T+1L]
SSD-002	Soft Skills Development - II	2T
SCT-007	Mini-Project-II	3
	Electives (Any Two)	3+3
	Total credits	**20**

Electives:

Course code	Course name	Credits
SCT-011	Business Intelligence Analytics and Reporting	[2T+1L]
SCT-012	Mobile Application development (Android)	[2T+1L]
SCT-013	Content Management System-JOOMLA	[2T+1L]
SCT-014	Linux Administration	[2T+1L]
SCT-015	Enterprise Application Development using Java/.Net	[2T+1L]
SCT-016	Database Administration	[2T+1L]
SCT-017	Web Development	[2T+1L]

Note: One credit of Theory (T) equals 16 hrs. of teaching contact hours and one credit of Lab (L) equals 32 hours of laboratory work

Certification / Knowledge Partners

Lab Infrastructure

Software

- SAS 9.1.3, Academic Analysis Suite
- JDK1.7, NetBeans7.1, Eclipse
- Visual Studio
- JOOMLA, PHP
- Eclipse, NetBeans7.1
- Oracle 10g, DB2, SQL Server 2005, MySQL
- Hadoop , Eucalyptus
- Fedora9, Windows-XP, Windows 7, Ubuntu
- Apache Tomcat, GlassFish, IBM WebSphere
- Visual Paradigm 4.1

Hardware

- HP Intel core 2 Duo Processor, 4 GB RAM, 500 GB HDD
- Dell Pentium D processor, 2 GB RAM, 80GB HDD
- Dell Rack Servers R715 for Cloud Controller and Cloud Node, 1.8 GHz AMD processor:8 cores per processor, Internal storage- 300 GB, RAM - 8 GB, Virtualization support, Operating System - Ubuntu 10.04 server, Hypervisor- KVM, Cloud software- Eucalyptus Cloud 1.6.2

Eligibility

Degree in B.Sc. / B.C.A / B.C.S. / M.Sc. / M.C.A. / M.C.M. / M.C.S. / B.Tech. / B.E. / M.Tech. / M.E. (Specialization in Computer Science / Computer Applications / Computer Engineering) with minimum 55% aggregate marks from a recognised university

Faculty

- Prof. Suresh S.S
- Prof. Anil Dudhe
- Visiting Faculty (Industry Experts)

Contact - HoD
Prof. Suresh S.S. +91 2022934590 / 91
Email id - sct@isquareit.com

For application & selection process, please visit www.isquareit.com
You can also contact Admissions Department

INTERNATIONAL INSTITUTE OF INFORMATION TECHNOLOGY
CENTRE FOR ADVANCED STUDIES

P-14/1 Rajiv Gandhi Infotech Park, Phase I, Hinjewadi, Pune - 411 057
Phone - +91 20 22934590 / 91
Mobile - +91 9325141005 / 9
Website - www.isquareit.com
Email id - admissions@isquareit.com, info@isquareit.com

DEPARTMENT OF INFORMATION AND COMMUNICATION TECHNOLOGY

Advanced Certificate Programme in Software and Computing Technologies (ACP-SCT) 6-Months, Full-time

Foreword

India has emerged as the Information and Communication Technology (ICT) superpower for future generation technology products and services. India's former President Dr.A.P.J.Abdul Kalam has mentioned 5 key areas (Agriculture & food processing, Infrastructure with reliable electric power, Education & Healthcare, Information Communication Technology and Critical technologies & strategic industries) for the development of the country in the vision 2020 document (TIFAC). ICT was one among them. The current emerging, dynamic and competitive environment has raised the necessity for improved technological support for achieving the vision 2020 goal. To keep pace with the dynamic nature of the advanced technologies, advanced training and sophisticated infrastructural support is becoming compulsory to create skilled human resources for the development of the Nation. The increased demand for Information Systems, Information Technology, Software Training, and Research & Development have been steadily growing. The objective of the Advanced Certificate Programme in Software and Computing Technologies is to nurture competent and productive professionals to meet the new generation system development of the ICT industry.

Course Structure

Level - I

Course code	Course Name	Credits
SCT-001	Database development and Administration tools	[2T+1L]
SCT-002	UNIX Operating System Design concepts	[2T+1L]
SCT-003	C/ C++ Programming	[2T+1L]
SCT-004	Business Intelligence using Oracle Apex tools	[2T+1L]
SSD-001	Soft Skills Development - I	2T
	Elective (select any one)	[2T+1L]
	Total Credits	**17**

Level - I : Electives

Course code	Course Name	Credits
SCT-005	Core Java Programming	[2T+1L]
SCT-006	C# (.NET programming)	[2T+1L]

Level - II

Course code	Course Name	Credits
SCT-007	Cloud Computing on Linux Platform	[2T+1L]
SCT-008	Advanced Web development Tools & Technologies	[2T+1L]
SCT-009	Business Intelligence using Data Warehouse	[1T+1L]
SCT-010	Mobile Applications on Android OS	[1T+1L]
SSD-002	Soft Skills Development-II	2T
SCT-011	Project	2L
	Elective (select any one)	[2T+1L]
	Total Credits	**17**

Level - II : Electives

Course code	Course Name	Credits
SCT-012	Enterprise applications using advanced Java tools	[2T+1L]
SCT-013	Enterprise applications with advanced Microsoft .NET tools	[2T+1L]

Note: One credit of Theory (T) equals 1 Hr. of teaching contact hour per week | One credit of Lab (L) equals 2 Hrs. of laboratory work per week

Lab Infrastructure
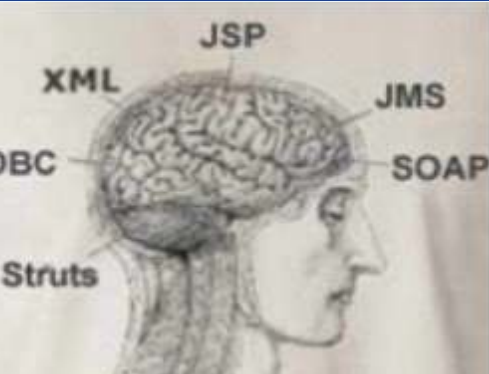
Software

- JDK1.7, JQuery
- HMTL 5.0
- JOOMLA, PHP
- Eclipse, NetBeans7.1
- Microsoft .NET Tools
- IBM Center of Excellence - IBM Tools: RAD, Db2, TDS, LOTUS, WID with certification
- Oracle 10g, Oracle Appex, SQL Server 2005, MySQL
- Hadoop, Eucalyptus
- Fedora9, Windows-XP, Windows 7, Ubuntu
- Apache Tomcat, GlassFish
- Visual Paradigm 4.1

Hardware

- Dell Pentium D processor, 2 GB RAM, 80GB HDD
- Dell Rack Servers R715 for Cloud Controller and Cloud Node, 1.8 GHz AMD processor:8 cores per processor, Internal storage - 300 GB, RAM - 8 GB, Virtualization support, Operating System - Ubuntu 10.04 server, Hypervisor - KVM, Cloud software- Eucalyptus Cloud 1.6.2
- HP Intel core 2 Duo Processor, 4 GB RAM, 500 GB HDD

Distinctive Features

- Strategic location of the Institute in the midst of top technology giants in the Pune InfoTech Park
- Over 12+ years of quality experience in delivering technology programmes in niche and emerging areas
- Well qualified and committed faculty with rich teaching, research and industry experience
- Curriculum evaluated by industry experts
- State-of-the-art Laboratory to gain hands on experience on various technological tools and platforms
- Wired broadband internet connectivity of 8 Mbps
- Digital campus learning environment
- Dedicated placement team to facilitate the students for career counselling and placement assistance
- Active interface with technology and user companies
- Excellent on-campus hostel facility available (optional)
- Cafeteria facility available (on cash and carry basis)

Knowledge / Certification Partners

Faculty

- Prof. Suresh S.S
- Prof. Anil Dudhe
- Prof. Nilesh Deshmukh
- Prof. Sandeep Bhujbal
- Prof. Aparna Khandekar
- Prof. Srinivasa Chillara (VF)
- Prof. Aradhana Deshmukh (VF)
- Industry Experts

For any programme related queries, please email us at : sct@isquareit.com

Recruiters (Abridged List)

Capgemini	Symantec	Cognizant
www.in.capgemini.com	www.symantec.com	www.cognizant.com

IBM	LG India	Saba Software	BMC Software
www.ibm.com	www.lg.com	www.saba.com	www.bmc.com

Samsung India	Altair	Accenture
www.samsung.com	www.altair.com	www.accenture.com

Eligibility

B. E. / B. Tech /M.E. / M. Tech in Electronics & Telecommunications/ Electronics/ Electrical/ Computer Engg. / Computer Science/ Information Technology/ B.Sc / M.Sc / BCA/ MCA/ MCM or equivalent with at least 55% aggregate marks from a recognised university

For more details about the Programmes, Admission, Application & Selection process, please visit www.isquareit.com or call any of our student counselors between 9 AM & 6 PM on: +91 9372121253 / 9372121254

I²IT Trust & Society's
CENTRE FOR ADVANCED STUDIES

P-14/1 Rajiv Gandhi Infotech Park, Phase I, Hinjewadi, Pune - 411 057
Phone - +91 20 22934590 / 91
Fax - +91 20 22934592
Mobile - +91 9372121253 / +91 9372121254
Toll Free No. 1800 233 4499
Email id - admissions@isquareit.com, info@isquareit.com
Website - www.isquareit.com

INTERNATIONAL INSTITUTE OF INFORMATION TECHNOLOGY

I²IT

ज्ञानं सविज्ञानम्

INNOVATION & LEADERSHIP

Disclaimer:
- The courses and course contents, lab hardware and software environment are subject to change without prior notice keeping in mind the new advances in technology and industry requirements.
- Advanced Certificate Programmes /Electives mentioned will be offered depending on the number of students opting for the respective courses.
- Due to any unforeseen circumstances, the Institute reserves the right to delay / postpone the commencement of the programme.
- The images and pictures used in this leaflet are for illustration purposes only, and in no way constitute or represent exact location, service or idea in this context.

July 2013

A Project by FINOLEX