



Java™ Education &
Technology Services

JETS Profile

(Java™ Education & Technology Services)

<http://jets.iti.gov.eg>

TABLE OF CONTENTS

EXECUTIVE SUMMARY	3
JETS TRAINING PROCESS	4
TRAINING PROCESS OVERVIEW	5
TRAINING PROCESS DETAILS	6
JETS PROFILE	8
INFORMATION TECHNOLOGY INSTITUTE	9
ITI TRAINING STATISTICS	11
JAVA™ DEPARTMENT	12
JAVA™ EDUCATION AND TECHNOLOGY SERVICES (JETS)	14
TRAINING HIGHLIGHTS	15
JETS TRAINING COURSES	16
FULL COURSE LIST	17
TECHNICAL TRACKS	19
CERTIFICATION PATH TRACKS	21

EXECUTIVE SUMMARY

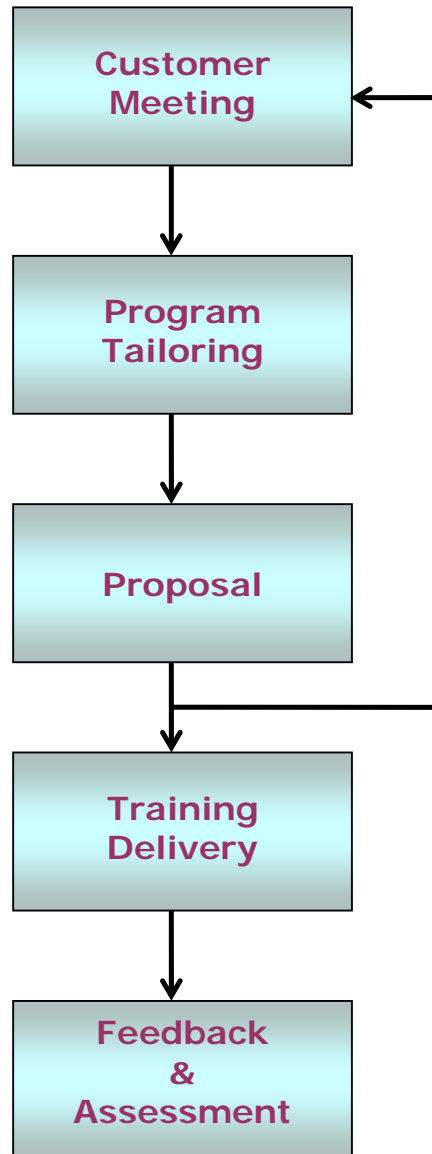
Affiliated to the Ministry of Communications and Information Technology (MCIT), the Information Technology Institute (ITI) is considered as one of the most prestigious governmental institutes in the IT field in Egypt and the Middle East. One of the main objectives of ITI is to provide professional IT training for the different sectors of the Egyptian society (undergraduates, postgraduates, governmental employees, public sector employees, and private sector employees). The ITI plays a leading role in technology transfer and in developing academic skills and research, not only in the field of IT, but also in a number of engineering fields such as: Electronics, Mechatronics, and Communications.

As part of the ITI, the Java™ Education and Technology Services (JETS) stands out as a center of excellence dedicated to Java™ and its related technologies. JETS' mission is to provide professional services that contribute to the development of ICT industry using tools and applications of the Java™ technology. JETS aims to provide comprehensive training programs that can be tailored to meet the diverse needs of the business sector in different application areas.

JETS TRAINING PROCESS

Training Process Overview

In order to adequately deliver our training programs in a way that fits your specific needs, we follow a 5-phase methodology:



The 5 phases of the abovementioned methodology are explained in details in the following section of this proposal.

Training Process Details

Customer Meeting:

Either through a meeting or via other communication channels (telephone or email) a customer representative specifies the training needs of his organization. Moreover, the representative explains the expected outcome by the individuals who will receive the training, as this would help towards a better and more accurate understanding of the training requirements.

Program Tailoring:

In this phase our technical JETS members will analyze the customer's training requirements and determine the best approach to fulfill the desired goals. The tailoring process involves one or more of the following:

- Adding or removing certain courses from the main tracks.
- Creating a special customized track for the customer.
- Slightly modifying the contents of certain courses.
- Extending or diminishing the number of hours for certain courses (thus affecting the overall cost of the tracks).

Proposal:

At this phase, a training proposal will be presented to the company. The proposal will feature details about the tailored program, along with details about the set of proposed courses. The proposal will also include the price offer and financial terms and conditions.

Training Delivery:

This is the physical training phase. Courses within a track may be taught by different instructors. The training is either delivered at one of ITI premises or on-site (at the customer's premises). If the training is to be delivered on-site then the company has to prepare a well-equipped room that has the necessary means of course delivery, such as: a data show device, a white board, and computers (if the course includes hands-on labs).

Feedback & Assessment:

In order to complete our promised quality training process, we constantly seek feedback from our customers. This is implemented using the following means:

- **Feedback:** A coordinator from JETS corresponds with a representative from the customer company regarding collecting general feedback regarding the training process (instructor, material, content, general satisfaction of the trainees). This kind of general feedback helps towards ensuring that we are always moving in the right direction.

- **Assessment:** Following each course, each trainee is asked to fill in an evaluation sheet. The evaluation measures the trainee's satisfaction in terms of course content and instructor's adequacy. Trainees are encouraged to also write down their comments and suggestions for further enhancements. Such course-by-course assessment is very useful for early discovery of any flaws that can be managed and overcome in subsequent courses.

JETS PROFILE

Information Technology Institute

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Ministry of Communications and
Information Technology



Information Technology Institute

Established in 1993, ITI an affiliate of the Ministry of Communications and Information Technology provides professional training programs to develop the skills and knowledge of distinguished university graduates in top-notch ICT fields.

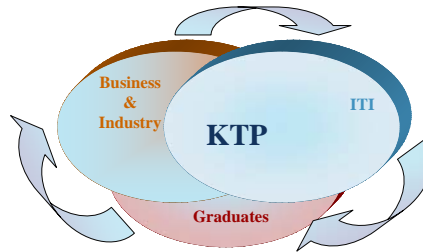
The Institute is a leader and innovator in adopting world trends in ICT and introducing them to the Egyptian community through its professional 9 Month training and indoctrination program. Current trends that are widely supported by the Institute's training programs are: Convergence of Media and ICT, Bioinformatics, Embedded Systems Applications and Information Security.

Through the Institute's project-based training, ideas and themes for applied research spur up yearly, thus, opening up opportunities for further development through combining efforts of academia, professional graduates and business.

The Institute, through international academic and internship links, networks with Universities and R&D Institutes in the UK, Germany, France and Canada. Collaboration activities include applied research through MSc and PhD studies, as well as, internship programs in R&D departments of businesses linked to the universities through industry liaison and knowledge transfer partnership programs.

The Institute's Knowledge Transfer Partnership (KTP) Program partners with 30 business entities, including multinationals as well as SMEs in the Egyptian market. The program caters for the partners' needs for professional human resources. The program also provides the partners with resources capable to define their business problems and propose and develop solutions through the 9 Month Professional Training Program using the latest ICT trends and technologies.

ITI's branded 9-Month Professional Training Program develops the skills and knowledge of distinguished university graduates through extensive practice training on the latest technologies through comprehensive curricular tracks. The 14-year training experience gave ITI the power to reengineer its program to be a demand-driven totally interactive with the companies and industry.



This program named the KTP (knowledge Transfer Partnership) program allows the KTP Partner Company to interact with the trainee all along the 9 months of training experiences, the trainee gains an ultimate market experience and gains a 100% guaranteed job opportunity before graduation.

ITI Training Statistics

ITI has trained over 750,000 of Egypt's youth through 53 training centers throughout 20 Egyptian governorates. ITI provides support and technical supervision via several tools: Curriculum Design, Auditing, Quality Maintenance, and Certification. ITI's Quality Unit succeeded to support the centers in attaining the ISO9001 certification by ASR.

ITI conducted train-the-trainers programs for 1400 trainers who managed to transfer knowledge to 200,000 of Egypt's youth throughout Egypt's governorates.

ITI conducted on-demand tailored training programs to multinational, regional, and national organizations and private sector companies on top-notch and niche technologies and applications.

ITI has also conducted basic IT training for staff of governmental and public sector organizations. In total, we have trained more than 120,000 governmental employees.

Java™ Department

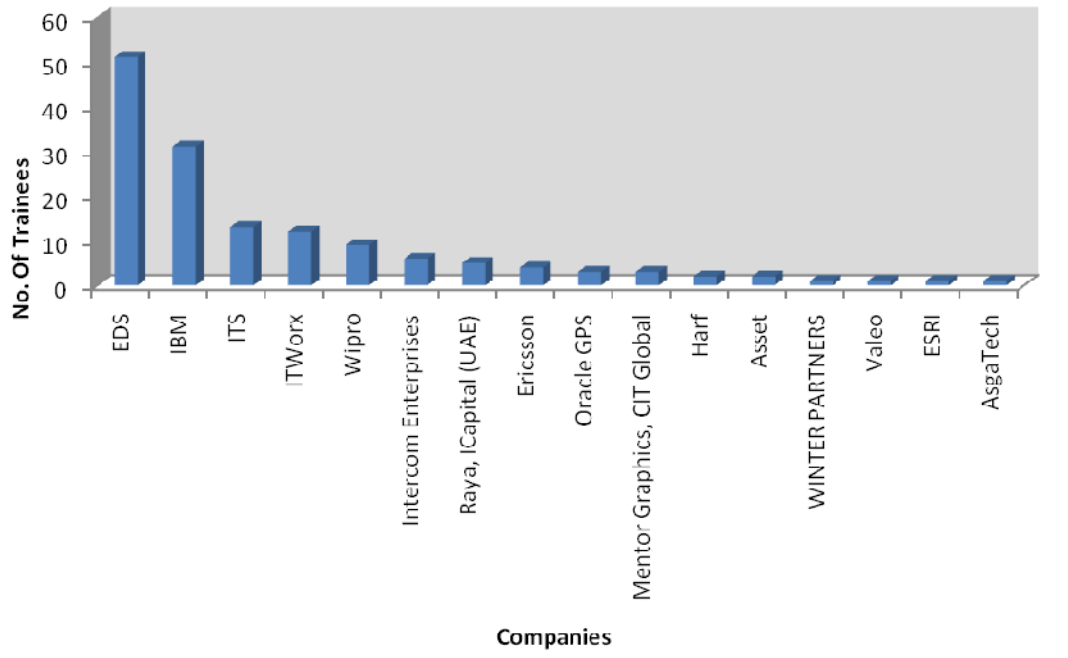
The Java™ Department is part of the ITI's professional 9 month Diploma (Combined Software Application Development Program – CSADP). The Java™ Department was introduced in the year 2001, and the first intake graduated in July, 2001.

The Java™ Department aims to graduate professional, world-class Java™ developers who are capable of using different Java™ technologies in diverse application domains as well as arming them with the ability to track any upcoming Java™ Technology.

The total number of graduates of the Java™ Specialization from 2001 to 2007 is: 131 graduates. Java™ department graduates are currently employed in different national and multinational software houses in Egypt and the Middle East. The following statistics indicate the allocation of some of our graduates in different national and international companies and organizations:

Company	Graduates' Allocation
EDS	51
IBM	31
ITS	13
ITWorx	12
Wipro	9
Intercom Enterprises	6
Raya, ICapital (UAE)	5
Ericsson	4
Oracle GPS	3
Mentor Graphics, CIT Global	3
Harf	2
Asset	2
WINTER PARTNERS	1
Valeo	1
ESRI	1
AsgaTech	1

Graduates' Allocation



Java™ Education and Technology Services (JETS)

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Java™ Education Technology Services

JETS is a center of excellence for providing professional services that contribute to the widespread and the development of Java™ in Egypt and the Middle East. JETS aims to provide technology programs in different application areas that integrate business knowledge with Java™ technologies.

JETS focuses on delivering four main services:

- **Training:** JETS is specialized in delivering training programs that are tailored to cater for enterprises and individuals.
- **Certification Coaching:** Alongside our training services, we provide specialized sessions and coaching for individuals who aim to apply for the different Sun Java™ Certificates.
- **Consultancy:** JETS is glad to announce its first-of-a-kind service to SMEs (Small and Medium-Sized Enterprises) by providing several consultation services: design, development, and management of academic curricula, internships, and projects. Moreover, we provide mentoring, problem solving, and service enhancement in the project environment.
- **Knowledge Services and Awareness:** JETS contributes to the spreading of Java™ awareness in Egypt and the Middle East by conducting periodic seminars and workshops on the latest and most challenging topics and technologies in Java™ and related fields and areas of application.

In light of our mission to spread the Java™ awareness in Egypt, the JETS held its first-in-a-series Seminar on the 22nd of May 2007 on the occasion of the JETS Launching. The event was attended by 200 developers and specialists working in more than 40 software houses in Egypt and Arab Countries, including: EDS, EGABI, ESRI North East Africa, Etisalat, Harf, IBM, ITSoft, IT Synergy, ITWorx, Mentor Graphics, Orascom, Raya, United OFOQ, and VirgiTech.

Training Highlights

We have conducted customized training programs to several national and multinational IT companies and business firms, including:



EME International



TEData



Extensive Industry involvement through our seminars and knowledge awareness sessions:



Moreover, we have delivered massive individual training to over 1200 trainees (5000+ hours) since, May 2007.

JETS TRAINING COURSES

Full Course List

#	Course	Duration (Hours)
1	Programming Using C++	36
2	Object Oriented Paradigms	8
3	Java Programming	28
4	Advanced Java Programming	24
5	Swing Components & Java 2D	32
6	Web Fundamentals & HTML	12
7	JavaScript & Dynamic HTML	20
8	Developing Web Applications using Servlets & JSP	24
9	Advanced Servlets & JSP	16
10	XML & Java API for XML Processing	20
11	Struts Framework	16
12	Java Server Faces (JSF)	24
13	Asynchronous JavaScript & XML (AJAX)	8
14	AJAX Enabled JSF Components	8
15	Remote Method Invocation (RMI)	12
16	Enterprise Java Beans & Java Persistence API (EJB & JPA)	36
17	Java Web Services	8
18	Service Oriented Architecture & Business Process Execution Language (SOA & BPEL)	12
19	Developing Mobile Applications using Java Micro Edition (Java ME)	24
20	Frameworks for Enterprise Applications	40
21	Spring Framework	24
22	Introduction to Hibernate	12
23	Symbian Basics	24

24	Advanced Java ME	18
25	C++ for Symbian S60 Platform	24
26	Spring MVC	12
27	Overview on JavaFX	6
28	Introduction to Design Patterns	6

Technical Tracks

Desktop Applications Track	
1	Programming Using C++
2	Object Oriented Paradigms
3	Java Programming
4	Advanced Java Programming
5	Swing Components & Java 2D

Web Applications Track	
1	Programming Using C++
2	Object Oriented Paradigms
3	Java Programming
4	Advanced Java Programming
5	Web Fundamentals & HTML
6	JavaScript & Dynamic HTML
7	XML & Java API for XML Processing
8	Developing Web Applications using Servlets & JSP
9	Advanced Servlets & JSP
10	Introduction to Hibernate
11	Introduction to Design Patterns

Advanced Web Applications Track	
1	Struts Framework
2	Java Server Faces (JSF)
3	Asynchronous JavaScript & XML (AJAX)
4	AJAX Enabled JSF Components
5	Spring MVC
6	Overview on JavaFX

Enterprise Applications Track	
1	Java Programming
2	Advanced Java Programming
3	XML & Java API for XML Processing
4	Developing Web Applications using Servlets & JSP
5	Remote Method Invocation (RMI)
6	Enterprise Java Beans & Java Persistence API (EJB & JPA)
7	Introduction to Hibernate
8	Introduction to Design Patterns

Advanced Enterprise Applications Track	
1	Java Web Services
2	Service Oriented Architecture & Business Process Execution Language (SOA & BPEL)
3	Frameworks for Enterprise Applications
4	Spring Framework

Mobile Applications Track	
1	Programming Using C++
2	Object Oriented Paradigms
3	Java Programming
4	Advanced Java Programming
5	Developing Mobile Applications using Java Micro Edition (Java ME)

Advanced Mobile Applications Track	
1	Symbian Basics
2	C++ for Symbian S60 Platform

Certification Path Tracks

Sun Certified Programmer for the Java 2 Platform, Standard Edition 5.0 (SCJP)	
1	Java Programming
2	Advanced Java Programming

Sun Certified Developer for Java 2 Platform, Standard Edition (SCJD)	
<i>Prerequisite: Sun Certified Programmer for the Java 2 Platform, Standard Edition 5.0 (SCJP)</i>	
1	Java Programming
2	Advanced Java Programming
3	<i>Introduction to Design Patterns *</i>

Sun Certified Web Component Developer for the Java 2 Platform, Enterprise Edition 1.4 (SCWCD)	
<i>Prerequisite: Sun Certified Programmer for the Java 2 Platform, Standard Edition 5.0 (SCJP)</i>	
1	Web Fundamentals & HTML
2	XML & Java API for XML Processing
3	Developing Web Applications using Servlets & JSP
4	Advanced Servlets & JSP
5	<i>Introduction to Design Patterns *</i>

Sun Certified Business Component Developer for Java Platform, Enterprise Edition 5 (SCBCD)	
<i>Prerequisite: Sun Certified Programmer for the Java 2 Platform, Standard Edition 5.0 (SCJP)</i>	
1	XML & Java API for XML Processing
2	Remote Method Invocation (RMI)
3	Enterprise Java Beans & Java Persistence API (EJB & JPA)
4	<i>Introduction to Design Patterns *</i>

Sun Certified Developer for Java Web Services (SCDJWS)	
<i>Prerequisite: Sun Certified Programmer for the Java 2 Platform, Standard Edition 5.0 (SCJP)</i>	
1	XML & Java API for XML Processing
2	<i>Introduction to Design Patterns *</i>
3	Java Web Services

Sun Certified Mobile Application Developer for the Java 2 Platform, Micro Edition (SCMAD)	
<i>Prerequisite: Sun Certified Programmer for the Java 2 Platform, Standard Edition 5.0 (SCJP)</i>	
1	Developing Mobile Applications using Java Micro Edition (Java ME)