Webliography

The Webliography is an electronic bibliographic listing of topics related to the qualification titles of a particular TVET priority sector, with pre-searched *URLs* (uniform resource locators) and descriptions (abstracts).

The pre-searched *URLs* provide contents in reference to the title of promulgated Training Regulations (TR). By clicking the weblinks (underlined URLs in blue text), your internet browser will direct you to the website/webpage where you can find the topic related to the title you selected. The Webliography is a useful tool for trainers who are designing and developing competency-based curriculum and learning materials.

Technical Education
and Skills Development Authority

TESDA » Webliography » Information and Communication Technology Sector

INTERNET RESOURCES

Information and Communication Technology

Scope:
The definition and scope of information technology is the application of telecommunications and computers to store, manipulate and transfer data. This covers the entire business sector and other industries..

Source:
http://www.answers.com/Q/What_is_the_Definition_and_scope_of_information_technology

List of qualifications:

- 2D Animation NC III
- 2D Game Art Development NC III
- 3D Animation NC III
- 3D Game Art Development NC III
- Animation NC II
- Broadband Installation (Fixed Wireless Systems NC II
- Cable TV Installation NC II
- Cable TV Operation and Maintenance NC III
- Contact Center Services NC II
- Game Programming NC III
- Medical Coding NC II
- Medical Transcription NC II
- Programming NC IV
- Telecom OSP Installation (Fiber Optic Cable) NC II
- Telecom OSP and Subscriber Line Installation (Copper Cable/POTS & DSL) NC II
- Visual Graphic Design NC III

❖ **Definition of information and communication technology**
http://en.wikipedia.org/wiki/Information_technology
This webpage provides definition and meaning of technical terms including translations.
[Retrieved 8 April 2015]

❖ **Information technology jobs**
http://www.careerbuilder.com/jobs/keyword/information-technology/
This webpage provides a list of career opportunities in information and communication technology from programmer up to Director level jobs.
[Retrieved 8 April 2015]

❖ **PH to become a $1 trillion economy by 2029**
http://www.rappler.com/business/economy-watch/90650-ph-one-trillion-dollar-economy-2029
This webpage shows a press release saying that "The Philippine economy is seen to reach $1.05 trillion gross domestic product (GDP) by 2029, an economist says.
[Retrieved 8 April 2015]

❖ **MFI molding future innovations**
http://training.mfi.org.ph/information-technology
This webpage from MFI provides a list of course offerings in ICT with corresponding duration and training fees.
[Retrieved 8 April 2015]

❖ **Schools offering IT courses in the Philippines**
http://www.finduniversity.ph/information-technology-schools/
This webpage provides a list of schools and course titles offered in the bachelor and diploma levels with corresponding tuition fees.
[Retrieved 8 April 2015]

❖ **SGS training services: information technology management**
http://www.sgs.ph/en/Training-Services/Industry-Based-Training/Information-Technology-Management.aspx
This webpage provides a definition of the SGS information technology courses with its benefits to students.
[Retrieved 8 April 2015]

❖ **Education Pinoy**
http://www.educationpinoy.com/IT.html
This webpage provides detailed information on Information Technology Studies in Philippines where students enroll qualified college graduates of computer science to IT-related courses and graduates of other courses who possess high aptitude for IT and are keen to be part of the IT industry. Apart from regular full term courses, short modular courses on part-time basis are also conducted.
[Retrieved 8 April 2015]

INTERNET RESOURCES

2D Animation NC III	❖ **Animation definition**
	http://en.wikipedia.org/wiki/Animation
	This webpage defines animation as the process of creating motion and shape change illusion by means of the rapid display of a sequence of static images that minimally differ from each other. The illusion—as in motion pictures in general—is thought to rely on the phi phenomenon.
	[Retrieved 8 April 2015]
	❖ **2D animation graphics**
	http://en.wikipedia.org/wiki/2D_computer_graphics
	This webpage provides the definition as the computer-based generation of digital images—mostly from two-dimensional models (such as 2D geometric models, text, and digital images) and by techniques specific to them. The word may stand for the branch of computer science that comprises such techniques, or for the models themselves.
	[Retrieved 8 April 2015]
	❖ **2D animation software**
	http://www.the-flying-animator.com/2d-animation-software.html
	This webpage provides information about the Flying Animator software for making hand-drawn, vector-based animation.
	[Retrieved 8 April 2015]
	❖ **2D animation software review**
	http://2d-animation-software-review.toptenreviews.com/
	This webpage provides a guide in choosing software packages to finish a certain animation job. Ten software titles are compared.
	[Retrieved 8 April 2015]
	❖ **2D animator**
	http://www.indeed.com/q-2D-Animator-jobs.html
	This webpage provides list of job opportunities in animation from designer and illustrator up to a job as associate producer.
	[Retrieved 8 April 2015]
	❖ **2D animation Jobs in the Philippines**
	http://www.indeed.com/q-2D-Animator-jobs.html
	This webpage provides list of job opportunities in animation and graphic designers in the Philippines with job description and key skills requirements.
	[Retrieved 8 April 2015]
	❖ **2015 animation courses**
	http://www.askedu.net/training.asp?Course=Animation&Location=Philippines#.VUHc5rmJjKI
	This webpage provides list of training courses with links to training providers and certification.
	[Retrieved 8 April 2015]
2D Game Art Development NC III	❖ **Game art design**
	http://en.wikipedia.org/wiki/Game_art_design
	This webpage describes game art design as subset of game development, is a process of creating 2D and 3D game art for a video game. A game artist is a visual artist who creates video game art, such as concept art, item sprites, character models, etc.
	[Retrieved 8 April 2015]
	❖ **Deviant art**
	http://www.deviantart.com/browse/all/designs/gameart/2dgame/
	This webpage provides sample art works and animations that can be viewed in full size to inspire game art developers in designing and creating art.
	[Retrieved 8 April 2015]
	❖ **GarageGames open source software**
	http://www.deviantart.com/browse/all/designs/gameart/2dgame/
	This webpage provides information on how to avail the software. Torque 2D

is an extremely powerful, flexible and fast open source engine dedicated to 2D game development available on GitHub.
[Retrieved 8 April 2015]

❖ **Learning to create better art (2d games)**
http://gamedev.stackexchange.com/questions/16930/learning-to-create-better-art-2d-games
This webpage provides information and recommendations on creating better art for game development. .
[Retrieved 8 April 2015]

❖ **Game software development jobs**
http://index.about.com/index?am=broad&q=game+software+development+jobs&an=msn_s&askid=541e72d1-97d8-4f44-8cd6-73be15a8663e-0-ab_msb&dqi=&qsrc=999&ad=semD&o=22877&l=sem
This webpage provides information and recommendations on creating better art for game development. .
[Retrieved 8 April 2015]

❖ **2D artist**
http://www.indeed.com/q-2D-Artist-jobs.html
This webpage provides information and list of career opportunities for 2D artists. Jobs range from conceptual art design to finishing art works.
[Retrieved 8 April 2015]

❖ **2D game art for non-artists**
http://www.3dbuzz.com/training/view/2d-game-art-for-nonartists/2d-game-art-for-nonartists
This webpage provides information about 2D game art training for non-artists. This includes development of cartoon with lighting and shading for depth.
[Retrieved 8 April 2015]

3D Animation NC III

❖ **3D animation definition**
http://encyclopedia2.thefreedictionary.com/3D+animation
This webpage describes 3D animation as animating objects that appear in a three-dimensional space. They can be rotated and moved like real objects. 3D animation is at the heart of games and virtual reality, but it may also be used in presentation graphics to add flair to the visuals.
[Retrieved 8 April 2015]

❖ **3D job and career sites and postings**
http://3d.about.com/od/Career-Resources/tp/3d-Job-And-Career-Sites-And-Postings.htm?utm_term=careers%20in%203d%20animation&utm_content=p1-main-5-title&utm_medium=sem&utm_source=msn&utm_campaign=adid-fb2de649-ef8f-4d06-9470-229a61ce28fc-0-ab_msb_ocode-28796&ad=semD&an=msn_s&am=broad&q=careers%20in%203d%20animation&dqi=&o=28796&l=sem&qsrc=999&askid=fb2de649-ef8f-4d06-9470-229a61ce28fc-0-ab_msb
This webpage provides information about the stages in 3D animation starting from major job platforms, smaller boards and forum threads, internship and miscellaneous resources.
[Retrieved 8 April 2015]

❖ **3D animation definition**
http://encyclopedia2.thefreedictionary.com/3D+animation
This webpage describes 3D animation as animating objects that appear in a three-dimensional space. They can be rotated and moved like real objects. 3D animation is at the heart of games and virtual reality, but it may also be used in presentation graphics to add flair to the visuals.
[Retrieved 8 April 2015]

❖ **3D animation jobs in the Philippines**
http://www.indeed.com.ph/jobs?q=3d+Animation&matchtype=b&network=s&device=c&devicemodel=&creative=45319650877&keyword=%2B3d%20%2Banimation%20jobs&placement=&param1=&param2=&random=5957675112389541529&aceid=&adposition=1t1&gclid=COjQyvbancUCFZUrvQodRY

3D Game Art Development NC III	QAvg This webpage provides information and list of various career opportunities for 3D animation artists and developers. This ranges from animator jobs up to motion graphics designer. [Retrieved 8 April 2015] ❖ **Training for 3D animators** http://www.animationarena.com/3d-animation-training.html This webpage provides information about the reason why formal training in 3D animation. [Retrieved 8 April 2015] ❖ **Game art design** http://en.wikipedia.org/wiki/Game_art_design This webpage describes game art design as subset of game development, is a process of creating 2D and 3D game art for a video game. A game artist is a visual artist who creates video game art, such as concept art, item sprites, character models, etc. [Retrieved 8 April 2015] ❖ **Datascope recruitment** http://www.datascope.co.uk/jobs_games_artists.html This webpage provides information about career opportunities in 3D game art development and provides a list of career positions with job descriptions including work location and contact details. [Retrieved 4 May 2015] ❖ **Incredible @rt department** http://www.incredibleart.org/jobs/video.html This webpage provides information about career opportunities as video game artists in different 3d animation platforms with job descriptions and career outlook including salary and training opportunities. [Retrieved 4 May 2015] ❖ **Game art tutorials** http://www.digitaltutors.com/subject/game-development-asset-creation-tutorials This webpage provides tutorials to create detailed assets in 3d game development from industry professionals. Learners may watch advanced training used by studios, schools and artists. [Retrieved 4 May 2015] ❖ **DeVry University Game & simulation programming degree** http://www.animationarena.com/introduction-to-3d-art.html This webpage provides instructions on the development of 3D art, including the traits of a 3D artist and types of 3D art. [Retrieved 4 May 2015] ❖ **Game institute** https://www.gameinstitute.com/ This website provides information in 3d game training including game programming, game art and animation. [Retrieved 4 May 2015] ❖ **Session college – Browse game art/design courses** http://www.sessions.edu/certificate-programs/individual-courses/game-art-courses This webpage provides a selection of online game art and design courses for students in the multimedia arts certificate program or for individual enrollment. Training can also be done fully online with topics including animation techniques, 3D modeling, 2D texturing and video game theory. [Retrieved 4 May 2015]

Animation NC II	❖ **Animation** http://dictionary.reference.com/browse/animation This webpage defines animation as an act or instance of animating or enlivening. Also included is the origin of animation, related forms, synonyms, antonyms, examples from the web for animation, British dictionary definition for animation, word origin and history for animation, and animation in medicine and technology. [Retrieved 5 May 2015] ❖ **Animation jobs** http://www.totaljobs.com/JobSeeking/Animation.html This webpage provides information about career opportunities in animation and provides a list of career positions with job descriptions including work location and contact details. [Retrieved 5 May 2015] ❖ **Animation jobs indeed** http://www.indeed.com/q-animation-jobs.html This webpage provides information about career opportunities in animation and provides a list of career positions with job descriptions including work location and contact details. Jobs range from 3D modeler, mobile graphic/3D designer, animator, background illustrator, and production artist. [Retrieved 5 May 2015] ❖ **The animated strategy: Building a strategic plan for your products** http://www.awn.com/animationworld/animated-strategy-building-strategic-plan-your-products This webpage provides information about marketing animation products with details and steps to building a strategic marketing plan for an animated project's success. [Retrieved 5 May 2015] ❖ **Schools offering animation courses in the Philippines** http://www.finduniversity.ph/animation-schools/ This webpage provides a list of universities and colleges offering Animation courses in the Philippines. Whenever possible we provide full details about the courses in each of the schools, including tuition fees, admission requirements, course description and the admission phone number. [Retrieved 5 May 2015] ❖ **Animation training** http://www.philiphone.com/Animation_Training/ This webpage provides a directory of animation training providers all over the country with map and contact information. [Retrieved 5 May 2015] ❖ **Animation services: Garage** http://thegaragehk.com/ This website provides creative production services i.e., marketing and media planning; video production and photography; design and branding; and public relations and communication. [Retrieved 5 May 2015]
Broadband Installation (Fixed Wireless Systems NC II	❖ **What is broadband?** http://en.wikipedia.org/wiki/Broadband This webpage defines broadband as a wide bandwidth data transmission with an ability to simultaneously transport multiple signals and traffic types. The medium can be coaxial cable, optical fiber, twisted pair, or wireless broadband. [Retrieved 4 May 2015] ❖ **Broadband installation field engineers** http://www.simplyhired.co.uk/a/jobs/list/q-broadband+installation+field+engineers This webpage provides information on career opportunities of broadband installation engineers that features various job providers, description and contact information

INTERNET RESOURCES

❖ **Job inventory**
http://www.jobinventory.com/Broadband-Installation-Firm-jobs
This webpage provides information on career opportunities of broadband installation engineers with description and contact information
[Retrieved 4 May 2015]

❖ **Cable installation training and certification program**
http://www.jobinventory.com/Broadband-Installation-Firm-jobs
This webpage provides information on career opportunities of broadband installation engineers that features various job providers, description and contact information
[Retrieved 4 May 2015]

❖ **How to become a cable installer**
http://www.ehow.com/how_4743701_become-cable-installer.html
This webpage provides information on career development path of a cable installer including suggested education and required skills.
[Retrieved 5 May 2015]

❖ **Cable installation engineering video**
http://www.polywater.com/videciev.html
This webpage presents a 13-minute video on installing cable in conduit. Topics covered include the nature of cable pulling friction, using software to estimate pulling tensions, determine pull feasibility, design optimal cable runs, the causes of cable failure, cable/lubricant compatibility, lubricant residue combustibility, and cable lubricant specifications.
[Retrieved 5 May 2015]

Cable TV Installation NC II

❖ **How to install cable television**
http://www.ehow.com/how_4867891_install-cable-television.html
This webpage provides information and instructions on cable installation for home and business establishments including other options such as digital converter box.
[Retrieved 5 May 2015]

❖ **DIRECTV installation**
http://www.cable-tv.com/tv-installation/
This webpage provides information and instructions in installing DIRECTV satellite television for home and business establishments.
[Retrieved 5 May 2015]

❖ **Cable tv installer jobs indeed**
http://www.indeed.com/q-Cable-Tv-Installer-jobs.html
This webpage provides information about career opportunities in cable TV installation including home-based satellite TV, and careers as installer/ technician in various establishments.
[Retrieved 5 May 2015]

❖ **Snagajob**
http://www.snagajob.com/job-search/q-cable+tv+installer
This webpage provides information about career opportunities in cable TV installation including location and links to contact information.
[Retrieved 5 May 2015]

❖ **SimplyHired: cable TV installer paid training**
http://www.simplyhired.com/k-cable-tv-installers-paid-training-jobs.html
This webpage provides information on training opportunities of cable TV installers with compensation including location and contact information.
[Retrieved 5 May 2015]

❖ **Cable installation training and certification program info**
http://study.com/articles/Cable_Installation_Training_and_Certification_Program_Info.html
This webpage provides information on how to become a cable installer, candidates are instructed to complete a short certificate program to get a chance to study hands-on. Learn more about the curriculum ahead, and get

	information on certification and the job outlook for telecommunications workers. [Retrieved 5 May 2015]
Cable TV Operation and Maintenance NC III	❖ **Cable television definition** http://en.wikipedia.org/wiki/Cable_television This webpage provides the definition of cable television as a system of delivering television programming to paying subscribers via radio frequency (RF) signals transmitted through coaxial cables or light pulses through fiber-optic cables [Retrieved 5 May 2015] ❖ **Stateuniversity.com** http://careers.stateuniversity.com/pages/359/Cable-Television-Telecommunications-Technician.html This webpage provides information and career opportunities on cable television and telecommunications technician job description, career as a cable television and telecommunications technician, salary, employment – definition and nature of the work, education and training requirements, including getting the job. [Retrieved 5 May 2015] ❖ **Filcro media staffing** http://www.executivesearch.tv/html/director_broadcast_operations_.html This webpage provides information about career opportunities in major TV network as director of distribution for network operation and engineering technology and other media staffing recruitment solution. [Retrieved 5 May 2015] ❖ **Cable tv operation jobs** http://www.indeed.com/q-Cable-Tv-Operation-Manager-jobs.html This webpage provides information about career opportunities in cable TV operations management including facilities, community and business work options. [Retrieved 5 May 2015] ❖ **Cable repair training programs and requirements** http://study.com/cable_repair_training.html This webpage provides information about the training requirements and recommendations for cable repair technicians. [Retrieved 5 May 2015]
Contact Center Services NC II	❖ **Contact center definition** http://en.wikipedia.org/wiki/Call_centre This webpage defines call center as a centralized office used for receiving or transmitting a large volume of requests by telephone. An inbound call center is operated by a company to administer incoming product support or information inquiries from consumers. [Retrieved 5 May 2015] ❖ **Contact center world: 2015 best practice series** https://www.contactcenterworld.com/ This webpage provides information and insights on contact center performance with links to video, membership and other related information. [Retrieved 5 May 2015] ❖ **Call center services** http://www.callcenterservices.net/ This webpage provides call center services for business. Its goal is to provide the critical contacts and database enhancement for companies to thrive and grow in the community. [Retrieved 5 May 2015] ❖ **MPC call centers** http://www.mpccallcenters.com/call-center-services/ This webpage provides call center services for business. MPC is a recognized company providing the highest level of quality in customer

service. The company also trains highly trained staff and develop cutting edge technology to clients requiring call center services.
[Retrieved 5 May 2015]

❖ **Katalyst call center services**
http://www.katalystpartners.com/call-center-services/
This webpage provides call center services for business. The company offer lower support costs and improved service levels to clients requiring call center services.
[Retrieved 5 May 2015]

❖ **Network-based contact center**
http://effective-contactcenters.com/Network_Based_Contact_Center.html?gclid=CPut16aEqsUCFU-VvQodj1cACg
This webpage offers intelligent call processing for contact centers utilizing new technologies such as cloud computing, storage and processing to provide faster and more effective services to clients.
[Retrieved 5 May 2015]

❖ **Teledirect telecommerce**
http://www.teledirectasia.com/?gclid=COWx-5eGqsUCFYmCvQodgwkAQw
This webpage provides improved customer service in business process outsourcing and offers solutions, high-achieving sales, and profit-generating customer services.
[Retrieved 5 May 2015]

❖ **Callcentercareers.com**
http://www.teledirectasia.com/?gclid=COWx-5eGqsUCFYmCvQodgwkAQw
This webpage provides a search engine for job opportunities and location information for job seekers and employers.
[Retrieved 5 May 2015]

Game Programming NC III

❖ **Game art design**
http://en.wikipedia.org/wiki/Game_art_design
This webpage describes game art design as subset of game development, is a process of creating 2D and 3D game art for a video game. A game artist is a visual artist who creates video game art, such as concept art, item sprites, character models, etc.
[Retrieved 8 April 2015]

❖ **Datascope recruitment**
http://www.datascope.co.uk/jobs_games_artists.html
This webpage provides information about career opportunities in 3D game art development and provides a list of career positions with job descriptions including work location and contact details.
[Retrieved 4 May 2015]

❖ **Incredible @rt department**
http://www.incredibleart.org/jobs/video.html
This webpage provides information about career opportunities as video game artists in different 3d animation platforms with job descriptions and career outlook including salary and training opportunities.
[Retrieved 4 May 2015]

❖ **Game art tutorials**
http://www.digitaltutors.com/subject/game-development-asset-creation-tutorials
This webpage provides tutorials to create detailed assets in 3d game development from industry professionals. Learners may watch advanced training used by studios, schools and artists.
[Retrieved 4 May 2015]

❖ **DeVry University Game & simulation programming degree**
http://www.animationarena.com/introduction-to-3d-art.html
This webpage provides instructions on the development of 3D art, including the traits of a 3D artist and types of 3D art.

INTERNET RESOURCES

❖ **Game institute**
https://www.gameinstitute.com/
This website provides information in 3d game training including game programming, game art and animation.

❖ **Session college – Browse game art/design courses**
http://www.sessions.edu/certificate-programs/individual-courses/game-art-courses
This webpage provides a selection of online game art and design courses for students in the multimedia arts certificate program or for individual enrollment. Training can also be done fully online with topics including animation techniques, 3D modeling, 2D texturing and video game theory.

Medical Coding NC II	❖ **Medical coding and billing definition** http://www.ehow.com/facts_5470706_medical-billing-coding-definition.html This webpage describes medical coding and billing as essential components to the operations of a hospital, doctor's office or any medical facility. They are part of the records and financial department, which keeps records of all patients, of procedures and takes care of billing and insurance records [Retrieved 5 May 2015] ❖ **Medical coding jobs** http://www.indeed.com.ph/jobs?q=Medical+Coding&matchtype=b&network=s&device=c&devicemodel=&creative=45320720677&keyword=%2Bmedical%20%2Bcoding%20%2Bjobs&placement=&param1=&param2=&random=4537968736286938980&aceid=&adposition=1t2&gclid=CJP7zdytqsUCFVUsvQodeiAALQI This webpage provides information and a list of job offering of various companies including location and contact information. [Retrieved 5 May 2015] ❖ **Medical coding jobs – health care employment** https://www.aapc.com/medical-coding-jobs/l This webpage provides information and a list of job offering of various companies including location and contact information. [Retrieved 5 May 2015] ❖ **Is medical coding right for you?** https://www.aapc.com/medical-coding-jobs/l This webpage provides certified careers in medical coding. It includes training, certification, tests and contact information. [Retrieved 5 May 2015]
Medical Transcription NC II	❖ **Medical transcription definition** http://en.wikipedia.org/wiki/Medical_transcription This webpage defines medical transcription as an allied health profession, which deals in the process of transcription, or converting voice-recorded reports as dictated by physicians or other healthcare professionals, into text format.. [Retrieved 5 May 2015] ❖ **Medical transcription jobs** http://www.indeed.com/q-Medical-Transcriptionist-jobs.html This webpage provides information and list of job titles for medical transcriptionist with location, contact information, and salary rate. [Retrieved 5 May 2015] ❖ **Medical transcriptionist jobs** http://www.indeed.com/q-Medical-Transcriptionist-jobs.html This webpage provides information and list of career opportunities for medical transcriptionist with location and contact information. [Retrieved 6 May 2015]

❖ **Medical transcription jobs**
http://www.mtjobs.com/
This website is dedicated for medical transcription jobs and provides a search engine for job seekers and employers.
[Retrieved 6 May 2015]

❖ **Medical transcriptionist training**
http://www.pennfoster.edu/programs-and-degrees/medical-billing-and-coding/medical-transcriptionist-career-diploma
This webpage provides online training for medical transcriptionists with little or no prior training. This accredited medical transcriptionist training program provides everything to prepare students for a better career including access to dictation and editing exercises.
[Retrieved 6 May 2015]

❖ **Online medical transcription career training course**
http://www.andrewsschool.com/transcription/
This webpage provides online training for medical transcriptionists using a grading scale very similar to that employers use when they evaluate their medical transcriptionists. The system allows students to learn by body system, a superior learning method for medical transcription training.
[Retrieved 6 May 2015]

❖ **ITMC training center**
https://www.facebook.com/i.transmedia
This webpage provides information about the training programs offered by ITMC particularly in the IT sector with brief course description.
[Retrieved 6 May 2015]

❖ **OTSI optimum transsource, inc.**
http://www.otsiinc.com/school.html/
This webpage aims to address the shortage of qualified medical transcriptionists in a growing industry in the Philippines. OTSI was established to help students to become job-ready upon graduation. OTSI is located in Baguio City as a transcription company.
[Retrieved 6 May 2015]

Programming NC III

❖ **Programmer definition**
http://en.wikipedia.org/wiki/Programmer
This webpage defines programmer as a developer, coder or software engineer who writes computer software. This can also mean that a programmer is a specialist in one area of computer programming or a generalist who writes codes for many kinds of software.
[Retrieved 6 May 2015]

❖ **Programmer job description**
http://www.totaljobs.com/careers-advice/job-profile/it-jobs/programmer-job-description
This webpage describes IT jobs especially programming as a means to solve real life business problems to make the organization more efficient and more productive by developing, testing and implementing IT solutions.
[Retrieved 6 May 2015]

❖ **Programmer jobs**
http://ph.jobsdb.com/ph/job-list/information-technology/application-software-programming/1
This webpage provides a list of job titles with links to prospective employer's profile, qualification requirements, and location information.
[Retrieved 6 May 2015]

❖ **Programmer jobs**
http://www.indeed.com.ph/jobs?q=Programmer&matchtype=b&network=g&device=c&devicemodel=&creative=31178387557&keyword=%2Bprogrammer%20%2Bjobs&placement=&param1=&param2=&random=13276021203440545854&aceid=&adposition=1t1&gclid=CMbmx_iHrMUCFYiCvQodBl0A-w
This webpage provides information and a list of job opportunities with

location and contact information of prospective employers.
[Retrieved 6 May 2015]

❖ **Computer networking career and training center, inc.**
http://www.cnctc.edu.ph/courses.htm?gclid=CJWnlYyOrMUCFZGUvQodmA8AQQ
This webpage provides information about the training courses offered by the institution together with CCNA certification courses and Microsoft courses.
[Retrieved 6 May 2015]

❖ **10 sources for free computer programming courses online**
http://study.com/articles/10_Sources_for_Free_Computer_Programming_Courses_Online.html
This webpage provides a list of training programs offered online free of charge. These are offered by various training providers.
[Retrieved 6 May 2015]

❖ **Programming training courses**
http://www.infiniteskills.com/programming-training/
This webpage provides free online training videos in computer programming supporting video-based training.
[Retrieved 6 May 2015]

❖ **Programming training classes**
https://www.webucator.com/programming/index.cfm
This webpage provides online training courses for various computer platforms, languages and devices with free live demo.
[Retrieved 6 May 2015]

Telecom OSP Installation (Fiber Optic Cable) NC II

Telecom OSP and Subscriber Line Installation (Copper Cable/POTS & DSL) NC II

❖ **Telecommunications engineering**
http://en.wikipedia.org/wiki/Telecommunications_engineering
This webpage defines telecommunications engineering as a discipline that brings together electrical engineering with computer science to enhance telecommunications systems. The work ranges from basic circuit design to strategic mass developments.
[Retrieved 6 May 2015]

❖ **Telecommunication OSP technician jobs**
http://www.indeed.com/q-Telecommunication-Osp-Technician-jobs.html
This webpage provides information and a list of job titles for prospective job seekers and employers of telecommunication technicians. It also includes the scope of work, job description, location and contact information.
[Retrieved 6 May 2015]

❖ **Telecom technician jobs in the Philippines**
http://www.careerjet.ph/telecom-technician-jobs.html
This webpage provides information and a list of job titles for prospective job seekers and employers telecom technicians. It also includes scope of work, job descriptions, location and contact information.
[Retrieved 6 May 2015]

❖ **Electronics engineering jobs**
http://job-search.jobstreet.com.ph/philippines/search/telecom-or-osp-or-supervisor-or-leadmen-jobs/electronics-communication-engineering/
This webpage provides information and a list of job titles for prospective job seekers and employers of electronics engineers among others. It also includes the scope of work, job description, location and contact information.
[Retrieved 6 May 2015]

❖ **Outside plant technician**
http://www.thefiberschool.com/Technician-Training-Courses/Outside-Plant-Technician/CourseID/TR-OSP/default.aspx
This webpage provides training opportunities for students to learn fiber optic outside plant installer training with emphasis on outside plant applications and standards.
[Retrieved 6 May 2015]

❖ **Certified outside plant fiber optic specialist, CFOS/O**

http://www.thefoa.org/cfospt.html
This webpage provides training opportunities for students to gain FOA certifications in underground, aerial or underwater cabling. Applications include telecom, the internet, CATV, security including CCTV, utility and smart grid management.
[Retrieved 6 May 2015]

❖ **Eastern communications: ISO certification**
http://www.easterncommunications.com.ph/index.php/about-us/iso-certification/
This webpage provides information about ISO certification of Eastern Communications that marked another milestone in Philippine telecommunications history by being the first and major telco to attain the prestigious certification. It reflects the company's good management practices and customer-focused service.
[Retrieved 6 May 2015]

Visual Graphics Design NC III	❖ **Graphic design definition** http://en.wikipedia.org/wiki/Graphic_design This webpage describes graphic design as a methodology of visual communication, and problem-solving through the use of type, space and image. The field is considered a subset of visual communication and communication design, but sometimes the term "graphic design" is used interchangeably with these due to overlapping skills involved. [Retrieved 6 May 2015] ❖ **Graphic design jobs** http://www.indeed.com/q-Visual-Graphic-Designer-jobs.html This webpage provides information and a list of job titles for prospective job seekers and employers of visual graphic designers. It also includes the scope of work, job description, location and contact information. [Retrieved 6 May 2015] ❖ **Graphic designer jobs Philippines** http://job-search.jobstreet.com.ph/philippines/graphics-designer-jobs/ This webpage provides information and a list of career opportunities for job hunters looking for employment as graphic designers. It includes the scope of work, qualification requirements, location and contact information. [Retrieved 6 May 2015] ❖ **Graphic design – visual and graphic design** https://alison.com/courses/Graphic-Design-1 This webpage provides a list of courses for visual and graphic design with course description, certification, and learning outcomes. [Retrieved 6 May 2015] ❖ **Visual design – 8-week digital design course** https://generalassemb.ly/education/visual-design This webpage provides information on digital design course to be completed on eight weeks with eight units. It includes topics in research, ideation, contrast, gestalt principles of perception, fonts and typefaces, composition with type, color schemes, mid-course presentations, capability and affordance, designing for interaction, working with images, building style guide, responsive composition, designing for mobile, and final presentation. [Retrieved 6 May 2015]