الأكاديمية الوطنية
لتقنية المعلومات
NATIONAL INFORMATION
TECHNOLOGY ACADEMY

NITA

TRAINING PROGRAMS CATALOGUE

INSPIRING MINDS BUILDING FUTURE

OUR STREAMS

- Bridge Stream
- Core Stream
- Upskilling Stream
- Distance Learning Stream

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1 INTRODUCTION

1.1 ABOUT NATIONAL IT ACADEMY

The National Information Technology Academy (NITA) is a non-profit training institution established by the four Founding Stakeholders: Saudi Aramco, the Ministry of Communications and Information Technology (MCIT), the Technical & Vocational Training Corporation (TVTC) and Communications, Space & Technology Commission (CSTC). The Academy will provide Saudis with advanced and accelerated training programs to develop a “job-ready” talent pool. This is in line with the Kingdom’s 2030 Vision to support the digital transformation and lower the rate of unemployment.

1.2 VISION

To be the leading training academy for the Information and Communications Technology disciplines.

1.3 MISSION

To bridge the skills gap between academia and the industry by supplying highly motivated, skilled and job-ready Saudi workforce.

1.4 CHAIRMAN MESSAGE

The National IT (NIT) Academy's strategic objectives are aligned with those of the Kingdom's Vision 2030: developing the IT sector and a digital economy, increasing local workforce skills, equipping citizens with competencies that will meet the future needs of the labor market, and increasing Saudi's participation in the workforce. As such, the Academy is investing in Saudi human capital by training and equipping Saudis with market relevant ICT skills, bridging the skills gap, and developing a "job-ready" talent pool to utilize and benefit from. The Academy's curriculum focuses on technical and professional skills, as well as addressing emerging technologies that are aligned with market needs where students are 'trained to hire' As the Chairman of the NIT Academy, it is my pleasure to welcome everyone to our organization and encourage you to experience the best of what the academy has to offer.

Mr. Yousef Al Ulyan.

1.5 WHAT DOES NATIONAL IT ACADEMY PROVIDE?

- Customized and specialized Information and Communications Technology (ICT) technical and certification training programs focused on emerging technologies with various disciplines.
- Seek trainee's sponsorship companies who will hire them upon their graduation from NIT Academy.
- Grant accredited graduation certificates at the highest levels for graduates from its training programs.
- Foster workplace safety, emphasize a strong work ethic, promote model corporate values, interpersonal and professional skills.

2 LEARNING STREAMS :

2.1 BRIDGE STREAM

- ~ 6 Months Program.
- Specified to the University Graduates, for training ending with employment.
- Trainees of this program will receive training courses in soft skills as well as advanced training and renowned certifications.

2.2 CORE STREAM

- ~ 18 Months Program.
- Foundation program specified to High School Graduates, for training ending with employment.
- Trainees of this program will receive training courses in English and soft skills followed by technical training in disciplines that are in high demand in the job market.

2.3 UP-SKILLING STREAM

- Short Courses.
- Provided per companies' demand.
- Provided to On-job employees who work in the ICT field to upskill their knowledge.

2.4 DISTANCE LEARNING STREAM

- ~ 3 Months Program.
- Provided by Coursera, which is one of the leading online education platforms in the worldwide.
- Designed to ensure that training is available to the public regardless of their geographic location.
- Focuses on Technical Skills.

3 LEARNING PROGRAMS :

3.1 IT QUALITY ASSURANCE

3.1.1 COURSE DESCRIPTION

- Course duration is ~ 5 weeks.
- This course focuses on computer science and product testing fundamentals.
- It covers the methods used to ensure quality such as ensuring conformance to one or more standards such as ISO 9000 or a model such as CMMI.
- This course covers quality assurance that spans the entire software development process including requirements definition, software design, coding, source code control, code reviews, software configuration management.

3.1.2 EXPECTED LEARNING OUTCOMES

At the end of this course participants will be able to:

- Develop quality check guidelines.
- Oversee software development process.
- Build testing plan, write test cases and bug reports.
- Use quality assurance tools and techniques.
- Track quality assurance metrics -Optimize quality assurance process.

3.2 IT SECURITY FUNDAMENTALS

3.2.1 COURSE DESCRIPTION

- Course duration is ~ 4 weeks.
- This course focuses on the methodologies and practices of the basic security concepts utilized by cyber security professionals.
- This course utilizes tools and techniques to educate students on the fundamentals of cyber security and associated practices for securing networks and penetration testing of operating systems.

3.2.2 EXPECTED LEARNING OUTCOMES

At the end of this course participants will be able to:

- Monitor security systems to identify, detect vulnerabilities and attempted attacks.
- Analyze data and interpret the results to identify vulnerabilities, threats, and risks to an organization.
- Maintain security operations.
- Respond to security queries.
- Facilities security compliance.
- Optimize security system performance.
- Be specialized to analyze the security of networks.
- Develop the skills to conduct penetration tests simulating a real world security environment.

3.3 IT BUSINESS ANALYSIS

3.3.1 COURSE DESCRIPTION

- Course duration is ~ 4 weeks.
- This course focuses on applying analytical processes of planning, designing and implementation of the IT systems to meet the business requirements of customer organizations.
- This practical course will provide students with fundamental analysis tools and techniques, including methods to understand the business environment, define a problem using a systematic approach, develop and design systems solutions.

3.3.2 EXPECTED LEARNING OUTCOMES

At the end of this course participants will be able to:

- Assess and analyze the business environment and define the scope of business. problems using different tools and techniques.
- Capture project requirements, design high-value solution approaches, and ensure that the defined scope meets the customer's needs, goals, objectives, and expectations.
- Use development tools to generate reports, dashboards, and analytical solutions according to business rules and specifications.
- Assist in establishing new IT systems or improve existing IT systems.
- Facilities change management.

3.4 DATABASE MANAGEMENT

3.4.1 COURSE DESCRIPTION

- Course duration is ~ 5 weeks.
- This course focuses on planning, development, implementation, designing and administration of IT systems for the acquisition, storage, and retrieval of data.
- This course also enables students to be familiar with database analysis.

3.4.2 EXPECTED LEARNING OUTCOMES

At the end of this course participants will be able to:

- Analyze and define data requirements and specifications to design, normalize, develop, install, and implement databases and data warehouses.
- Install, configure, and maintain database management systems software.
- Develop and administer data standards, policies and procedures.
- Evaluate and provide recommendations on the new database technologies and architectures.
- Conduct data modeling techniques and methodology development.
- Provide applications support, performance monitoring, maintaining database backup and recovery environment.
- Perform capacity planning and reporting, configure and manage cloud data services for data management and analytics.
- Create, test, and maintain conceptual, logical and physical models for business intelligence -Manage and maintain data model repository.

3.5 USER INTERFACE EXPERIENCE DESIGN

3.5.1 COURSE DESCRIPTION

- Course duration is ~ 4 weeks.
- This course provides the knowledge in the design, development, documentation, debugging and support of the user interface (UI) to have the best possible user experience.
- This course also enables students to design and develop engaging user experiences (UX) for a variety of applications and evaluate how users feel about the interface.

3.5.2 EXPECTED LEARNING OUTCOMES

At the end of this course participants will be able to:

- Articulate, develop and model the end user experience including the visual design of the application, to make user interaction simple, efficient, and consistent.
- Assess and optimize the performance of new and existing features by actively participating in usability testing and user research, and interpreting analytics data.
- Evaluate user feedback and offers new and fresh perspectives and suggestions to optimize the user experience.
- Translate the user needs and business requirements into features and functionalities that enhance application experiences.

3.6 IT TECHNICAL SUPPORT

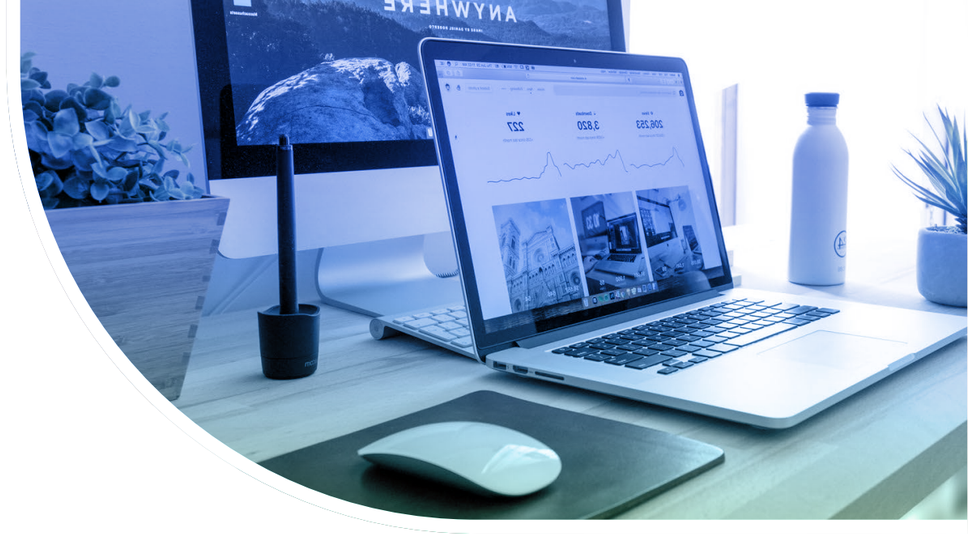
3.6.1 COURSE DESCRIPTION

- Course duration is ~ 4 weeks.
- This practical course will provide students with the skills of how to be able to link customer expectations with the customer service values of the organization by asking questions effectively.
- This course also enables students to design and implement functional networks, configure, manage, and maintain essential network devices by using switches and routers to segment network traffic and create resilient networks.
- This course provides the knowledge of key concepts and values of IT service management that can help organizations to adopt and adapt service management.

3.6.2 EXPECTED LEARNING OUTCOMES

At the end of this course participants will be able to:

- Identify the benefits and drawbacks of existing network configurations and be able to support the creation of virtualized networks.
- Implement network security, standards, and protocols.
- Address the troubleshooting of network problems.
- Understand customers' needs. -Provide best practice framework to boost the efficiency, effectiveness, and overall quality of IT-related services related to the governance of IT management framework.



3.7 NETWORK MANAGEMENT

3.7.1 COURSE DESCRIPTION

- Course duration is ~ 4 weeks.
- This course focuses on Installation, Storage, and Compute of Windows Servers networking.
- This course identifies the infrastructure services and security management, network fundamentals, LAN switching technologies, routing technologies, WAN technologies.

3.7.2 EXPECTED LEARNING OUTCOMES

At the end of this course participants will be able to:

- Design and implement functional networks.
- Implement network security, standards, and protocols.
- Practice the concepts and values of IT service management, activities of the service value chain, and how they interconnect.

3.8 DIGITAL TRANSFORMATION

3.8.1 COURSE DESCRIPTION

- Course duration is ~ 4 weeks.
- This course provides the knowledge of digital transformation in the software industry as well as the impact in the corporate market and opportunities.
- This course also presents success cases and a recipe for success through the organization's transformation.

3.8.2 EXPECTED LEARNING OUTCOMES

At the end of this course participants will be able to:

- Get a close view of new technologies which will influence strategic business decision making now and in the future.
- Process and analyze the IT operational standards in order to provide a service-oriented approach.

3.9 CUSTOMER SERVICE

3.9.1 COURSE DESCRIPTION

- Course Duration is ~ 4 weeks.
- This course focuses on the customer access strategies and levels of customer service values.
- This course also provides the knowledge of effective real-time management, planning and management processes.
- This course enables the student to meet the best levels of providing services consistently and measurably.

3.9.2 EXPECTED LEARNING OUTCOMES

At the end of this course participants will be able to:

- Understand customer service profession and improve the quality of services and productivity.
- Attain customers' satisfaction through measure the quality of provided services.
- Communicate effectively with customers.

3.10 SAP ABAP

3.10.1 COURSE DESCRIPTION

- Course duration is ~ 4 weeks.
- This SAP ABAP program takes a practical approach to teach the key objectives of the under SAP practice, and provides strategic context and empower learners to pick up on the skills required for delivering IT based projects.

3.10.2 EXPECTED LEARNING OUTCOMES

At the end of this course participants will be able to:

- Learn technology and business concepts for SAP across multiple modules.
- Create a web service to web service integration scenario.
- Use the SAP process integration enterprise services repository.
- Understand the SAP PO architecture and tools.
- Build interface with SAP PO tool.
- Design custom logic using ABAP at different levels like routine, function module and more.
- Be conversant with most major programming constructs and paradigms, specifically enterprise application programming.
- ABAP programming events, ALV grid control, object-oriented programming major component.

3.11 CCNA-INDUSTRIAL

3.11.1 COURSE DESCRIPTION

- Course duration is ~ 2 weeks.
- This course CCNA stands for Cisco Certified Network Associate, which is a certification the students can earn after taking the 120-minute exam administered by Cisco. The course delivers knowledge and skills required for network fundamentals, network access, IP connectivity, IP services, security fundamentals, and automation and programmability.

3.11.2 EXPECTED LEARNING OUTCOMES

At the end of this course participants will be able to:

- Learn topics such as Wi-Fi, Network Automation and Network Security.
- Learn IPv4 and IPv6 addressing.
- Learn about wireless networks and how to automate networks.
- Learn about Network Security.
- Learn how to prepare for the CCNA Exam.

3.12 APPLICATION DEVELOPMENT AND AUTOMATION

3.12.1 COURSE DESCRIPTION

- Course duration is ~ 5 weeks.
- The Application Development & Automation training program covers introduction to Node/JavaScript, MongoDB, REST-API, and Git/Gitlab source control, the curriculum development lifecycle of web and mobile applications, along with management of their web apps through Kubernetes and containers, DevOps to manage the pipeline, and security of the applications.

3.12.2 EXPECTED LEARNING OUTCOMES

At the end of this course participants will be able to:

- Learn the CI/CD practice by deploying a simple website.
- Kubernetes concepts from basics to advanced giving the students a detailed overview of Kubernetes and containers.
- Have an overview of the Gitlab architecture and its usage in applications development lifecycle
- Create a simple pipeline and understand Node.js build applications.
- Use Docker images within Gitlab.
- Learn how to deploy a Java application to AWS, using AWS S3 and AWS Elastic Beanstalk.
- Learn about the mechanisms to secure the applications, such as different types of attacks, and how to protect web applications against them.

3.13 WINDOWS SERVER 2019

3.2.1 COURSE DESCRIPTION

- Course duration is ~ 1 weeks.
- Learn to manage Windows Server 2019/20H2 with more than 20+ hours of content that every systems administrator, network administrator and/or Cloud engineer or architect should know. Some experience with Windows Server operating systems would be beneficial, but not a requirement for attending this course.

3.13.2 EXPECTED LEARNING OUTCOMES

At the end of this course participants will be able to:

- Learn Windows Server Administrative tools.
- Use PowerShell to manage Windows Server.
- How to use Group Policy.
- How to configure DNS and configure DHCP.
- File Server Management.
- Creating and managing virtual machines using Hyper-V.
- Implement Failover Clustering.
- Implementing Disaster Recovery using Windows Backup Implement Windows Server Security.
- Monitor performance.
- How to manage Active Directory Users, Computers, Groups and more

3.14 JUNIPER FIREWALL SRX 1500

3.14.1 COURSE DESCRIPTION

- Course duration is ~ 4 weeks.
- This course allows gives the students opportunities to learn new skills or improve their knowledge. They will gain solid understanding of how Juniper Clustering technology works. The course will use a live lab with virtual equipment to deliver good understanding of various concepts. The course is suitable for intermediate & beginner users of Junos, this course has 20+ hours of content to cover all aspects of Juniper Clustering. The students will learn everything from fundamental theory to advanced topology designs that they can deploy themselves with ease.

3.14.2 EXPECTED LEARNING OUTCOMES

At the end of this course participants will be able to:

- Configure & deploy an Active/Passive & Active/Active network.
- Configure clusters as part of a multihomed or single homed design.
- Configure LAG & cluster monitoring.
- Configure and deploy EX virtual chassis.

3.15 E-COMMERCE MARKETING SPECIALIST

3.15.1 COURSE DESCRIPTION

- Course Duration is ~ 4 weeks.
- This course focuses on the internet marketing strategies for businesses and integrated web communications.
- This course also provides the knowledge of website design development and creating dynamic web presence.
- This course enables the student to understand social media business landscape and to understand the email marketing platform and automation of emails.

3.15.2 EXPECTED LEARNING OUTCOMES

At the end of this course participants will be able to:

- Learn the Architecture of a Successful Ecommerce and the eCommerce engine.
- Learn about eCommerce widgets, plugins, tools and services.
- Learn about content creation & content distribution platforms.
- Learn about SEO and SEO toolsets.
- Learn About social Media marketing & content creation.
- Maximize Sales with eCommerce Email Automation & drip Marketing.

4 TRAINING BOOTCAMPS

4.1 CYBER SECURITY

4.1.1 COURSE DESCRIPTION

- Course duration is ~ 12 weeks.
- This course focuses on the methodologies and practices of the basic security concepts utilized by cyber security professionals.
- This course utilizes tools and techniques to educate students on the fundamentals of cyber security and associated practices for securing networks and operating systems.

4.1.2 EXPECTED LEARNING OUTCOMES

At the end of this course participants will be able to:

- Identify the key components of Cybersecurity network architecture.
- Apply Cybersecurity architecture principles.
- Identify security tools and hardening techniques.
- Analyze threats and risks within context of the Cybersecurity architecture.
- Appraise Cybersecurity incidents to apply appropriate response.
- Evaluate decision making outcomes of Cybersecurity scenarios.

4.2 DATA ANALYTICS

4.2.1 COURSE DESCRIPTION

- Course duration is ~ 12 weeks.
- This program focuses on the foundational concepts and techniques of Data Analytics.
- This program focuses on exploring Data Analysis, Data Visualization, Data Mining, and Regression.

4.2.2 EXPECTED LEARNING OUTCOMES

At the end of this course participants will be able to:

- Apply principles and skills of economics, marketing, and decision making to contexts and environments in data science.
- Build and assess data-based models.
- Execute statistical analyses with professional statistical software.
- Demonstrate skill in data management.
- Analyze legal and ethical principles applied to contexts and environments of data science and decision making.
- Design tested and effective advanced analytics models and simulations for decision making.

4.3 DATA SCIENCE

4.3.1 COURSE DESCRIPTION

- Course duration is ~ 12 weeks.
- This course focuses on the foundational concepts, theories, and techniques to become an effective data scientist.
- This course covers all skills related to data acquisition, data parsing and models, data storage, data validation and exploration.

4.3.2 EXPECTED LEARNING OUTCOMES

At the end of this course participants will be able to:

- Build and use data flow channel and data processing systems that support the collection, storage, batch and real time processing and analyses of information in scalable and secure manner.
- Find quality data sources and how to work with APIs programmatically.
- Collect, extract, query, clean, and aggregate data for analysis.
- Create static/dynamic visualizations for data and models using different tools and methods (e.g., UNIX, Git, SQL, Python).
- Use development tools to generate reports, dashboards, and analytical solutions according to business rules and specifications.

4.4 ARTIFICIAL INTELLIGENCE

4.4.1 COURSE DESCRIPTION

- Course duration is ~ 12 weeks.
- This course introduces the basic principles, techniques, and applications of Artificial Intelligence.
- This course covers the AI language tools Potential areas of further exploration include expert systems, neural networks, robotics, natural language processing, and computer vision.

4.4.2 EXPECTED LEARNING OUTCOMES

At the end of this course participants will be able to:

- Apply basic principles of AI in solutions that require problem solving, inference, perception, knowledge representation, and learning.
- Demonstrate awareness and a fundamental understanding of various applications of AI techniques in intelligent agents, expert systems, artificial neural networks, and other machine learning models.
- Demonstrate proficiency in developing applications in an 'AI language', expert system shell, or data mining tool.
- Demonstrate proficiency in applying scientific methods to models of machine learning.

4.5 SOFTWARE ENGINEERING

4.5.1 COURSE DESCRIPTION

- Course duration is ~ 12 weeks.
- This course focuses on planning, development, implementation, designing and administration of IT systems for the acquisition, storage, and retrieval of data, development, and testing.
- This course focuses on methodologies and best practices of software engineering, including client/server concepts and technologies to build full stack applications, through a deep understanding of fundamental computer science concepts (such as algorithms and data structures), object-oriented and functional programming.

4.5.2 EXPECTED LEARNING OUTCOMES

At the end of this course participants will be able to:

- Analyze and define data requirements and specifications to design, normalize, develop, install, and implement databases and data warehouses.
- Install, configure, and maintain database management systems software.
- Conduct data modeling techniques and methodology development.
- Provide applications support, performance monitoring, maintaining database backup and recovery environment.
- Perform capacity planning and reporting, configure, and manage cloud data services for data management and analytics.
- Manage and maintain data model repository.

4.6 CLOUD COMPUTING

4.6.1 COURSE DESCRIPTION

- Course duration is ~ 12 weeks.

  This course focuses on the foundational concepts and techniques for designing, developing, deploying, debugging, managing and operating cloud applications.
- This course covers the essential security measures to secure data on cloud and the best practices related to cloud architecture.

4.6.2 EXPECTED LEARNING OUTCOMES

At the end of this course participants will be able to:

- Analyze existing infrastructure for cloud migration, and select appropriate cloud services to design and deploy an application based on given requirements.
- Design, develop, and debug cloud-based applications.
- Monitor metrics around reliability, stability and performance of cloud infrastructure after implementation and provide cloud infrastructure support to users.
- Troubleshoot the system issues and failures.
- Code to implement essential security measures.
- Administers servers across virtual platforms and utilize open-source solutions to automate tasks.
- Work with public cloud platforms such as Amazon Web Services, Microsoft Azure, andGoogle Compute Platform.

4.7 SERVER AND NETWORKING

4.7.1 COURSE DESCRIPTION

- Course duration is ~ 12 weeks.
- This course provides ds the trainees with the knowledge and skills necessary for server technologies, including installation, storage, and networking management.
- This course also provides the basic information required in project management, essentials of technology, network management, security, and Linux.

4.7.2 EXPECTED LEARNING OUTCOMES

At the end of this course participants will be able to:

- Design Networks as well as manage servers.
- Address the basics information of programming and network devices.
- Solve the network problems.
- Maintain the network operations.
- Prepare servers' backup.

4.8 AUGMENTED & VIRTUAL REALITY (AR/VR)

4.8.1 COURSE DESCRIPTION

- Course duration is ~ 6 weeks.
- The AR/VR training program delivers a foundational skill-set to build, create, and develop augmented reality (AR) and virtual reality (VR) applications using industry-standard tool. With our hands-on curriculum, you will have the opportunity to build AR/VR projects that align with the learning outcomes.

4.8.2 EXPECTED LEARNING OUTCOMES

At the end of this course participants will be able to:

- Create your own VR or AR idea in Unity.
- Design for different VR and AR platforms.
- Manage production of VR and AR projects.
- Analyze the technical feasibility of XR projects.
- Collaborate in teams working with Unity.
- Leverage a powerful network in the XR industry.

4.9 BUSINESS INTELLIGENCE

3.4.1 COURSE DESCRIPTION

- Course duration is ~ 12 weeks.
- This Bootcamp introduces the trainees to the basic principles, concepts, techniques, and applications of Business Intelligence. The course contents cover SQL best practices, data analytical tools to your skillset, creation of a database from scratch, MySQL Workbench user, coding skills and business acumen to solve complex analytical problems. The program is specially designed to work with PowerBI, Tableau as Business Intelligence tools to create stunning reports and dashboards.

3.4.2 EXPECTED LEARNING OUTCOMES

At the end of this course participants will be able to:

- Demonstrate fundamental understanding of Data and Business Intelligence Learn how to code in SQL.
- Create, design, and operate with SQL databases.
- Become a proficient SQL user by writing flawless and efficient queries Learn how to connect with multiple sources of data like SQL Server, Excel, CSV, JSON, XML, Web and SQL Analysis Services.
- Learn how to use charts using visuals like column, line, pie, combo, Scatter, Treemap, Funnel, Gauges and KPIs.
- Learn how to clean and model data
- Learn the skills to format reports to make them look presentable & professional
- Learn BI Best Practices, Tips and Tricks.

4.10 SAP

4.10.1 COURSE DESCRIPTION

- Course duration is ~ 12 weeks.
- This SAP ABAP Bootcamp is designed to follow a practical approach to teach the key objectives of the under SAP practice, and provides strategic context and empower learners to pick up on the skills required for delivering IT based SAP projects

4.10.2 EXPECTED LEARNING OUTCOMES

At the end of this course participants will be able to:

- Understand what SAP S/4HANA offers for your core business processes: finance, manufacturing, sales, and more.
- Learn key concepts within SAP ERP and valuable tips to help you use this enterprise software most effectively.
- Master advanced tips to help you get the most out of the software, including Fiori apps, finance, enterprise management, embedded analytics, adoption options.
- Navigate in SAP S/4HANA using SAP Fiori Launchpad and SAP GUI (SAP Graphical User Interface)
- You'll be able to explain system wide concepts like organizational elements or master data.
- Learn the core processes and new functionalities built into the SAP S/4HANA finance, materials management, sales and distribution, production, and planning module

4.11 INTERNET OF THINGS (IOT)

4.11.1 COURSE DESCRIPTION

- Course duration is ~ 6 weeks.
- The IoT Training Program will cover how to program devices, send the IoT data wirelessly to AWS through the AWS IoT Core MQTT broker, and then demonstrate how to store and visualize the IoT data utilizing various serverless services and design flows on AWS. The AWS website will be used to navigate services, and not the "Serverless" framework.

4.11.2 EXPECTED LEARNING OUTCOMES

At the end of this course participants will be able to:

- Explain definition and usage of the term “Internet of Things” in different contexts.
- Understand the key components that make up an IoT system.
- Differentiate between the levels of the IoT stack and be familiar with the key technologies and protocols employed at each layer of the stack.
- Apply the knowledge and skills acquired during the course to build and test a complete, working IoT system involving prototyping, programming and data analysis.
- Understand where the IoT concept fits within the broader ICT industry and possible future trends.
- Appreciate the role of big data, cloud computing and data analytics in a typical IoT system.

4.12 PEGA SYSTEMS

4.12.1 COURSE DESCRIPTION

- Course duration is ~ 12 weeks.
- PEGA course expands student's skills and knowledge on PEGA platform in developing applications, to gain thorough expertise in the core fundamentals of PEGA advanced topics at the highest level from scratch. In addition to the outstanding knowledge delivery in BPM. The students will work with various tools and real-time projects when you learn PEGA Course online. Besides, the students will acquire real-time working knowledge and understand practically everything, at the end of this PEGA training course and will be able to create applications independently with high scalability.

4.12.2 EXPECTED LEARNING OUTCOMES

At the end of this course participants will be able to:

- Providing instructions for implementation of PEGA concepts.
- Understand the BPM concepts and workflows.
- Providing good knowledge of PEGA concepts.
- Instructions to implement the BPM application.
- Implement web application with PEGA application.
- Understand and implement UI Design, and Business logic by using PEGA.

4.13 FULLSTACK

4.13.1 COURSE DESCRIPTION

- Course duration is ~ 12 weeks.
- This Fullstack Bootcamp is designed for both graduates and experienced professionals in multiple industries. Learners will also get access to sessions that provide a high- engagement learning experience and real-world applications to help master essential Fullstack skills. In this Fullstack course, learn about developing, front end, middleware, backend including database and code management techniques.

3.7.2 EXPECTED LEARNING OUTCOMES

At the end of this course participants will be able to:

- Set up a CICD Pipeline for Python/Django Applications.
- Set up Django applications to accommodate multiple developers
- Deploy Django Applications to AWS Cloud.
- Use Git and GitLab for Source Control.
- Dockerize Django applications as a DevOps.
- Engineer and Set up Virtual Machines in your PC.
- Build, test, and launch Node apps and store data with Mongoose and MongoDB
- Use cutting-edge ES6/ES7 JavaScript and create real-time web apps with SocketIO.
- Different possible injections, and how to prevent them.
- Other types of attacks, and how to protect against them, in addtion to some good and bad security practices in various web technologies

4.14 ORACLE

4.14.1 COURSE DESCRIPTION

- Course duration is ~ 12 weeks.
- This Oracle Database Training Program is designed for both graduates and experienced professionals in multiple industries. Learners will also get access to sessions that provide a high-engagement learning experience and real-world applications to help master essential Oracle Database skills. In this course, the students will learn how to work with databases, maintain them, write queries, connect to applications and everything else related to Oracle SQL databases.

4.14.2 EXPECTED LEARNING OUTCOMES

At the end of this course participants will be able to:

- Program in the SQL Language to solve a Variety of Database Problems.
- Develop Codes to PRACTICE and IMPLEMENT everything you learn.
- Become a SQL Ninja and understand how the Oracle Database works.
- Master the content required to Pass the Oracle 1Z0-071 Database SQL Exam.
- Obtain the necessary skills to become an expert SQL Developer.
- Have the Ability to Solve any SQL Problem.

4.15 BLOCKCHAIN

4.15.1 COURSE DESCRIPTION

- Course Duration is ~ 12 weeks.
- The Blockchain Bootcamp is designed for both graduates and experienced professionals in multiple industries. Learners will get access to sessions that provide a high-engagement learning experience and real-world applications to help master essential blockchain skills. In this course, the trainees learn about private blockchain networks, smart contracts, applications and architecture using Ethereum.

4.15.2 EXPECTED LEARNING OUTCOMES

At the end of this course participants will be able to:

- Understand blockchain technology and key concepts such as cryptography and cryptocurrency concepts.
- Get a deeper understanding of Bitcoin and its network.
- Understand what distributed ledger and Hyperledge means.
- Learn about consensus, transactions, work flows, and networks.
- Get hands-on experience on industry-relevant use cases
- Understand and learn about smart contracts.

5 NATIONAL IT ACADEMY FOUNDING STAKEHOLDERS

NITA has some of the leading regional organizations as its founding stakeholders:

أرامكو السعودية
saudi aramco

وزارة الاتصالات وتقنية المعلومات
MINISTRY OF COMMUNICATIONS AND INFORMATION TECHNOLOGY

CST
هيئة الاتصالات والفضاء والتقنية
Communications, Space & Technology Commission

المؤسسة العامة للتدريب التقني والمهني
Technical and Vocational Training Corporation

6 NATIONAL IT ACADEMY CORPORATE SPONSORS

NITA has several leading companies from the ICT and energy sectors serving as sponsors for the trainees, looking over their training and employment needs. Such as but not limited to:

Baker Hughes
wipro
stc
HUAWEI
SAP
CISCO
INTERNATIONAL MARITIME INDUSTRIES
AK العبد الكريم AL ABDULKARIM
TASNEE التصنيع
LTI Let's Solve
هيئة الزكاة والضريبة والجمارك
Zakat, Tax and Customs Authority
علم Elm
ساسرف SASREF

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