

Batch 2 of 2020 Curriculum

Term	Subject	Course Code	Module
Term 1	Basics of Algorithm & Programming	ALGO-01	Introduction to Algorithm
		ALGO-02	Data Structure & Control Structure
		ALGO-03	Object Oriented Programming 01
		ALGO-04	Object Oriented Programming 02
	Application & Systems Design	APPS-01	Concept of 3-tier Framework
		APPS-02	Database Management System & ORM
		APPS-03	Database Planning & Designing
		APPS-04	RESTful Framework Best Practices
	Basics of Programming Framework	FRMW-01	Basics of Programming Framework
		FRMW-02	Frontend Framework
	Champion Mentality	CHMP-01	Self Motivation and Power-influence Perception
		CHMP-02	Effective, Empathic Communication

Term 2 Mandatory Courses	Advanced Courses of Algorithm & Programming	ADVA-01	Clean & Performant Code
		ADVA-02	Data Architecture Design
	Development Operations (DevOps) and Continuous Integration / Deployment (CI/D)	CICD-01	Basic DevOps tools
		CICD-02	Basic Implementation of CI/CD
	Engineering Culture	ENCL-01	Industrial awareness
		ENCL-02	Attitude and Craftsmanship

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Term	Subject	Course Code	Module
Term 2 Courses for Elective Studies: Frontend Engineers	Basics of Frontend Programming in React Native	REAC-01	Introduction to JS & React
		REAC-02	Diving Deeper into React
		REAC-03	Integration with 3rd party library (Part 1)
		REAC-04	Integration with 3rd party library (Part 2)
		REAC-05	Clean code in React
		REAC-06	Practical Knowledge
Term 2 Courses for Elective Studies: Backend Engineers	Basics of Backend Programming in Java Spring Boot	JAVA-01	Basics of Java
		JAVA-02	OOP & Design Patterns in Java
		JAVA-03	Java Framework: Spring (Part 1)
		JAVA-04	Java Framework: Spring (Part 2)
		JAVA-06	Clean code in Java
		JAVA-07	Practical Knowledge

Term 3	Internships	INTR-00	1-month Internship
	Organizational Dynamics	DYNA-01	Conflict Management
		DYNA-02	Team Dynamics : Engagement, Diplomacy and Negotiation
	7 Habit of Highly Effective Individual	HBIT-01	Habit 1-3: About your goal
		HBIT-02	Habit 4-5: About your surroundings
		HBIT-03	Habit 6-7: About You

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Term	Subject	Course Code	Module
Term 4 Courses for Elective Studies: System Architect	Preparatory Courses for Future System Architect	SARC - 01	Modelling & Performance
		SARC - 02	Design Pattern
		SARC - 03	MVC Pattern and Services Architecture
Term 4 Courses for Elective Studies: Offline-first Application Specialist	Preparatory Courses for Future Offline-first Application Specialist	OFLN - 01	Platform Specific Codes & Native Code communication in React Native
		OFLN - 02	Offline-first Design
		OFLN - 03	Practice for Offline-first Application
Term 4 Courses for Elective Studies: Event-driven Application Specialist	Preparatory Courses for Future Event-driven Application Specialist	EVDR - 01	Event-driven Framework in Java : Flink
		EVDR - 02	Event-driven Framework
		EVDR - 03	Practice for Event-driven Systems