



COMPUTER & INTERNET BASICS

- Basics of computers
- Basic of oops, variables, and loops
- Tcp/ip, udp, http, (browser, server, dns)
- How to setup environment in ide



WEB DEVELOPMENT

- Getting indepth knowledge of HTML & advanced CSS
- Javascript
- Web development framework : Angular
- Introduction to Angular and its architecture.
- TypeScript fundamentals for Angular development.
- Services and dependency injection.
- Routing and navigation.
- Forms and reactive forms.
- HTTP client and RESTful API integration.
- State management
- Web development framework : React.js
- Introduction to React.js and JSX.
- Components and props.
- Forms and controlled components.
- React Router for navigation.
- Managing state with hooks.
- Context API for state management.
- Redux for global state management.
- React and AJAX for data fetching.

SOFTWARE TESTING



- What is testing
- How to write JUnit testcase
- Jest

CLOUD



- Introduction to AWS
- Deploying spring boot, Nodejs web application on amazon ec2 on AWS
- Working with S3 bucket
- GIT, kubernetes, Ansible & Docker
- DevOps

AGILE BASICS



agile

- JIRA burndown hours
- Burndown chart/report
- Retrospection
- Sprint Planning
- Sprint mid review
- Sprint demo
- Sprint health check
- JIRA agile tool
- JIRA, Scrum
- Kanban scrum
- Xstream Programming, TDD (Test Driven Development)

REAL-TIME PROJECT



- SCRUM/Kanban team Formed for a group of 10
- A Business use case problem / Client App with proper documentation is provided
- Project overview and technology walkthrough with help of a mentor
- A JIRA tool will be provided to run a sprint, backlog, grooming and demo
- Technical help on need basis will be provided for those who are needy

FREE ENVIRONMENT TOOLS

- EC2, S3 BUCKET, ASSES, A PROFESSIONAL EMAIL, JIRA ACCESS FOR AGILE, BUGS AND PROJECT MANAGEMENTB, SCRUM BOARD, AMAZON GATEWAY, EKS, AWS OPEN SEARCH, MYSQL, DOCUMENTDB, KEYCLOAK USERMANAGEMENT, MARIADB, DYNAMODB, AWS ACCOUNTS FOR EACH USER

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