| Week 1     |       |                  |  | Start coursera course in audit mode. Details will be discused i<br>the sync session on Monday |
|------------|-------|------------------|--|---|
|            | Hours |                  |  |   |
|            | 18    | Meta - Coursera  | Introduction to Front-End Development  |   |
|            | 40    | Meta - Coursera  | Programming with JavaScript  |   |
|            |       |                  |  |   |
| Week 2     |       | coding with Most |  |   |
|            |       |                  | Asynchronous javascript  |   |
|            | 32    | NIIT - coursera  | Server side Javascript with NodeJS   |   |
| Week 3     | 17    | NIIT - coursera  | Building RESTful APIs Using Node.js and Express  |   |
|            |       | Project:         | Build an Express Application with CRUD API functionality defined for a web crawler to create/read/update/delete the list of websites/webpages to crawl. Then implement CRUD REST commands on MongoDB entries. Your Express application should run inside an AWS Lambda instance which interacts with the MongoDB database. Write API documentation and commit to GitHub. |   |
|            |       | ,                |  |   |
| Week 4     |       | NIIT - coursera  | Frontend Development using React Specialization (course 4-8)   |   |
|            | 18    | course 4         | Building Interactive User Interfaces Using React Library   |   |
|            | 6     | course 5         | Building User Interfaces Using Functional React Components   |   |
|            | 8     | course 6         | Building High Quality User Experience Using Material UI  |   |
|            | 10    | course 7         | Building Navigational Workflows Using React  |   |
|            | 4     | course 8         | Capstone Project   |   |
|            |       | Reference        |  |   |
|            |       | Meta - Coursera  | React Basics   |   |
|            |       | Meta - Coursera  | Advanced React   |   |
|            |       |                  |  |   |
| Week 5     | 16    | Edx - microsoft  | React router and redux   |   |
|            |       | References       | course notes on Redux from Udacity react nanodegree  |   |
|            |       |                  | How to make a Redux Powered React app  |   |
|            |       |                  | MERN Portfolio Project with Redux  |   |
|            |       |                  | ,  |   |
| Week 6     | 38    | Meta             | React Native   |   |
|            |       | Reference        | course notes on React Native from Udacity react nanodegree   |   |
|            |       |                  | Portfolio Project with React Native  |   |
| Electives  |       |                  |  |   |
| (Backend): | Hours |                  |  |   |
|            | 13    | NIIT - coursera  | Implement Polyglot Persistence Using SQL and NoSQL Databases   |   |
|            | 12    | NIIT - coursera  | Build and Implement Microservices Patterns   |   |

| 1 week | 24 NIIT - cours | a Capstone Project Using Node.js                                     |  |
|--------|-----------------|--|--|
|        |                 |  |  |
| 1 week | 48 AWS - cour   | ma Modern Application Development with Node.js on AWS Specialization |  |