NodeJS Course Curriculum

Course Duration: **Total 8 sessions of 2.5 hours each. Venue: online over webex or In-person at my home**

Course Fee: Rs 14,000/-
Payment Schedule: Rs. 3000 at registration, Remaining 11000/- before the second session.
Day 1

What is the MEAN Stack? MEAN Stack advantages- Flexible DB, Performant WebServer, Efficient client side. Introduction to NodeJS, Benefits of nodejs, NodeJS Installation, Understanding package.json and NPM, Understanding asynch callbacks, Node Modules- BuiltIn, Third Party and Custom modules.

Day 2

In-built Node modules- events, stream, fs, net, util, os, http, express, Nodemon and chalk. Committing code to GitHub repository, Deploying on Heroku PaaS cloud

Day 3

Express Template Engine EJS, Express Middleware- static, body-parser and express-session. Bootstrap

Day 4

Template Engines- Jade and Handlebars, Node+Express+Template engine application on heroku

Day 5

Introduction to MongoDB, NO-SQL, Document Databases, Installation, MongoDB shell, CRUD operations on MongoDB shell, NodeJS programs accessing MongoDB using Native driver

Day 6

NodeJS programs accessing MongoDB using Mongoose driver, MongoLab, Local code accesing MongoLab, NodeJS code on cloud accessing MongoLab DB

Day 7

HTML5 Server Sockets and Real time application. Using socket.io for server push

Day 8

Grunt, Gulp, Mocha and Chai

Application using NodeJS, ExpressJS, Handlebars, Bootstrap, MongoDB and its deployment on Heroku