

# **NITTE MEENAKSHI INSTITUTE OF TECHNOLOGY**

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## **Department of Information Science and Engineering**

Academic year – 2020-2021

**Subject : Web Technology**

**Topic : MyOpinion(LA-2 component)**

**Submitted by :**

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**Submitted to:**

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# MyOpinion

## **Project Overview:**

A simple web application that can be utilized by students and teachers to give feedback on the courses.

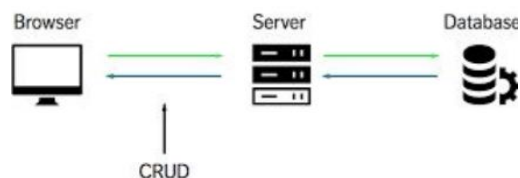
What are the benefits of it?

- A convenient way to receive feedback from students and teachers which helps in improvement of the courses.
- Helps to share your opinion about the courses.
- Helps to improve the quality of education.

## **Tech Stack:**

- HTML
- CSS
- JavaScript
- Nodejs
- Express
- MongoDB.

## **Work flow:**



- ✓ Creation of the web application –front end using HTML, CSS, JavaScript and backend using Nodejs, Express and MongoDB database.
- ✓ The Home page has options for both Students and Teachers, they can choose their option and find a feedback form to give their feedback or opinion.
- ✓ The data is fetched from the users and stored in the MongoDB database.
- ✓ As the feedbacks for the courses are visible on the screen in the view all option, it helps us to look at others opinion as well .Nodejs plays a role in fetching this data from the database.

### Screenshots:

MyOpinion Home page with two options –Students and Teachers.



Students Feedback form containing necessary fields to be entered, a popup window appears while submitting to ensure that they have entered all the details.

MyOpinion

localhost:9898/student

localhost:9898 says  
Make sure you have filled all the details!!

OK Cancel

Student Name: Tarun

USN: 1NT18EC104

Course Title: Microcontrollers

Feedback: There is a need of much more practical sessions

View All Submit

List of Student Feedbacks till the recent one is displayed from the View All option. A delete option provided uses a popup window with a message of confirmation before the feedback is deleted.

MyOpinion

localhost:9898/student/slist

localhost:9898 says  
Are you sure to delete this feedback?

OK Cancel

New Feedback

Student Name	USN	Course Title	Feedback	
Pragati Nayak	1NT17IS123	JAVA	It could have been a core subject!!!	
Tarun	1NT18EC104	Microcontrollers	There is a need of much more practical sessions	

## Similarly Teachers Feedback form.

Teachers Name:

Department:

Course Title:

Feedback:

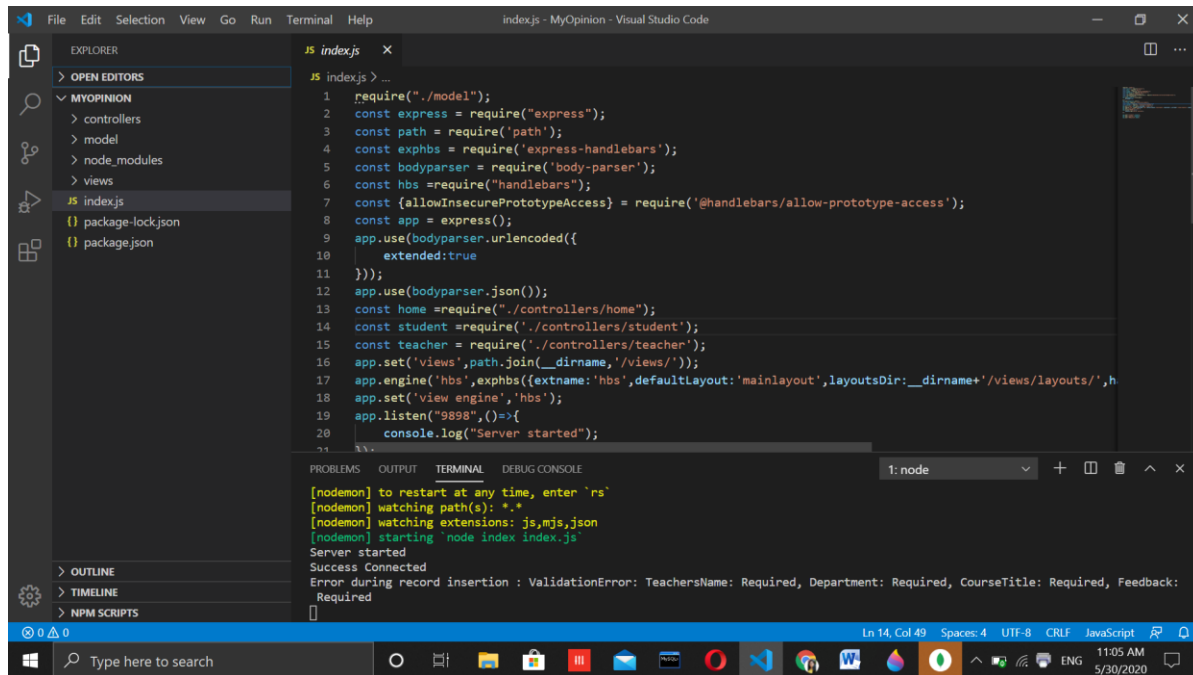
[View All](#) [Submit](#)

Similar View All option displaying list of feedbacks provided by Teachers till the recent one.

Teachers Name	Department	Course Title	Feedback
Dr Swarnalatha K. S.	Information Science	Object Oriented Modelling and Design	One of my opinion would be let the students have a practical knowledge on their course.Thank you
Ms Shridevi	Electronics and Electrical Engineering	Basic Electricals	Extra Lab Works to be initiated for the students for basic understanding of electricals

[+New Feedback](#)

The start of node application in Visual Studio Codes where the server is started and database is successfully connected. Any error message will be displayed in the console.



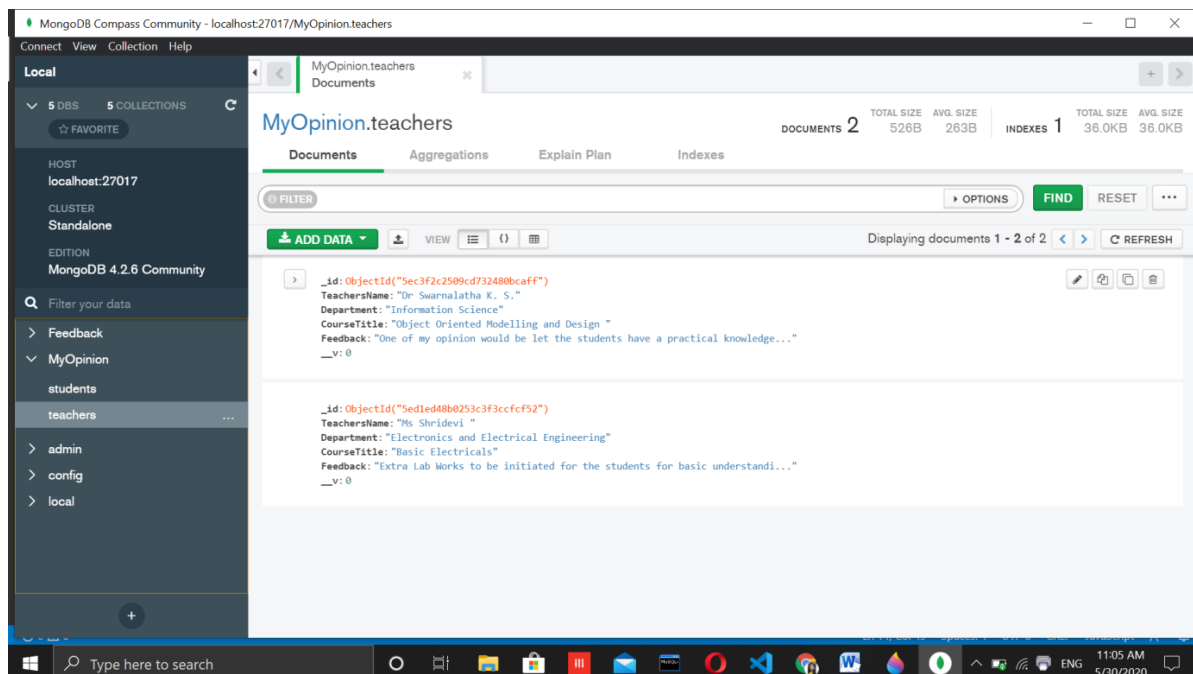
```
1 require('./model');
2 const express = require("express");
3 const path = require('path');
4 const expHbs = require('express-handlebars');
5 const bodyParser = require('body-parser');
6 const hbs = require("handlebars");
7 const {allowInsecurePrototypeAccess} = require('@handlebars/allow-prototype-access');
8 const app = express();
9 app.use(bodyParser.urlencoded({
10   extended:true
11 }));
12 app.use(bodyParser.json());
13 const home =require("./controllers/home");
14 const student =require('./controllers/student');
15 const teacher = require('./controllers/teacher');
16 app.set('views',path.join(__dirname, '/views/'));
17 app.engine('hbs',expHbs({extname:'hbs',defaultLayout:'mainlayout',layoutsDir:__dirname+'/views/layouts/',h
18 app.set('view engine','hbs');
19 app.listen("9898",()=>{
20   console.log("Server started");
21 });
```

1: node

[nodemon] to restart at any time, enter 'rs'  
[nodemon] watching path(s): \*.\*  
[nodemon] watching extensions: js,mjs,json  
[nodemon] starting 'node index index.js'  
Server started  
Success Connected  
Error during record insertion : ValidationError: TeachersName: Required, Department: Required, CourseTitle: Required, Feedback: Required

## Data stored in MongoDB:

*Screenshots of data stored in the database using MongoDB Compass Community.*  
MyOpinion database – teachers collection having 2 feedbacks.



## MyOpinion database – students collection having 2 feedbacks.

The screenshot displays the MongoDB Compass interface for a local database named 'MyOpinion.students'. The left sidebar shows the database structure with 5 collections: 'students', 'teachers', 'admin', 'config', and 'local'. The 'students' collection is selected, showing 2 documents. The main panel displays the documents in a JSON format. The first document is for 'Pragati Nayak' with a feedback about a core subject. The second document is for 'Tarun' with a feedback about practical sessions. The interface includes a top menu bar, a sidebar, and a main content area with tabs for Documents, Aggregations, Explain Plan, and Indexes. The status bar at the bottom shows the system time as 11:06 AM on 5/30/2020.

**MyOpinion.students**

DOCUMENTS	TOTAL SIZE	AVG. SIZE	INDEXES	TOTAL SIZE	AVG. SIZE
2	325B	163B	1	36.0KB	36.0KB

Displaying documents 1 - 2 of 2

```
{
  "_id": "ObjectId('5ec3f1cf509cd732480bcafd')",
  "StudentName": "Pragati Nayak",
  "USN": "INT17IS123",
  "CourseTitle": "JAVA",
  "Feedback": "It could have been a core subject!!!"
}
```

```
{
  "_id": "ObjectId('5ed1e2b0253c3f3ccfcf51')",
  "StudentName": "Tarun",
  "USN": "INT18EC104",
  "CourseTitle": "Microcontrollers",
  "Feedback": "There is a need of much more practical sessions"
}
```