Parshvanath Charitable Trust's

A. P. SHAH INSTITUTE OF TECHNOLOGY

(Approved by AICTE New Delhi & Govt. of Maharashtra, Affiliated to University of Mumbai)
(Religious Jain Minority)

Department of Information Technology

Academic Year: 2018-19 **Name: Sharma Shankarlal**
Semester: VIII **Class / Branch: BE/IT**

Project Title: An Academic Platform for Knowledge Sharing

Group No: 6

Group Members:

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4. Satyajeet Yadav

Guide: Prof. Apeksha Mohite

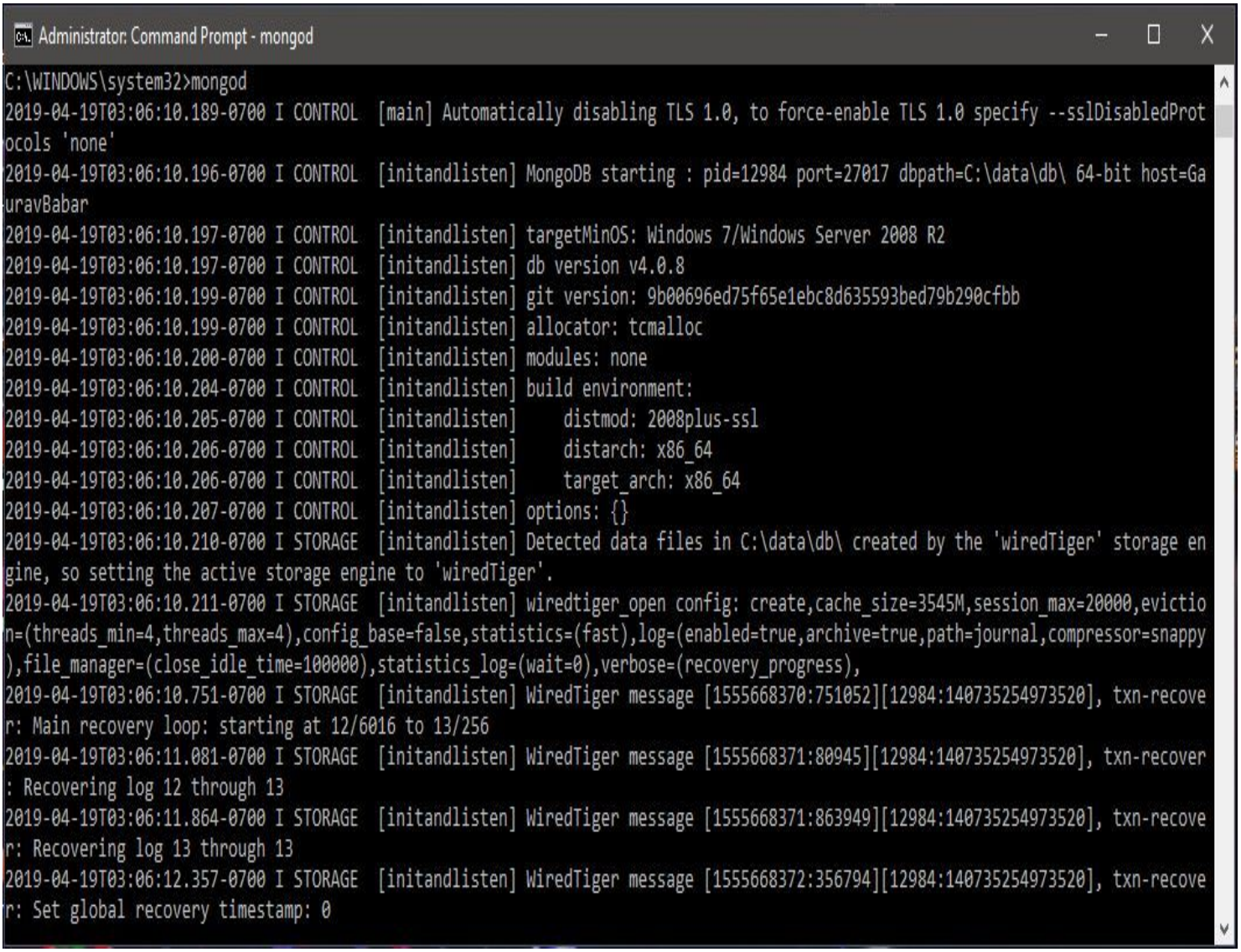
Co Guide: Prof. Neha Deshmukh

Project Implementation Progress 3

1. **Start MongoDB Server by typing the following in Command Prompt:**

   > mongod

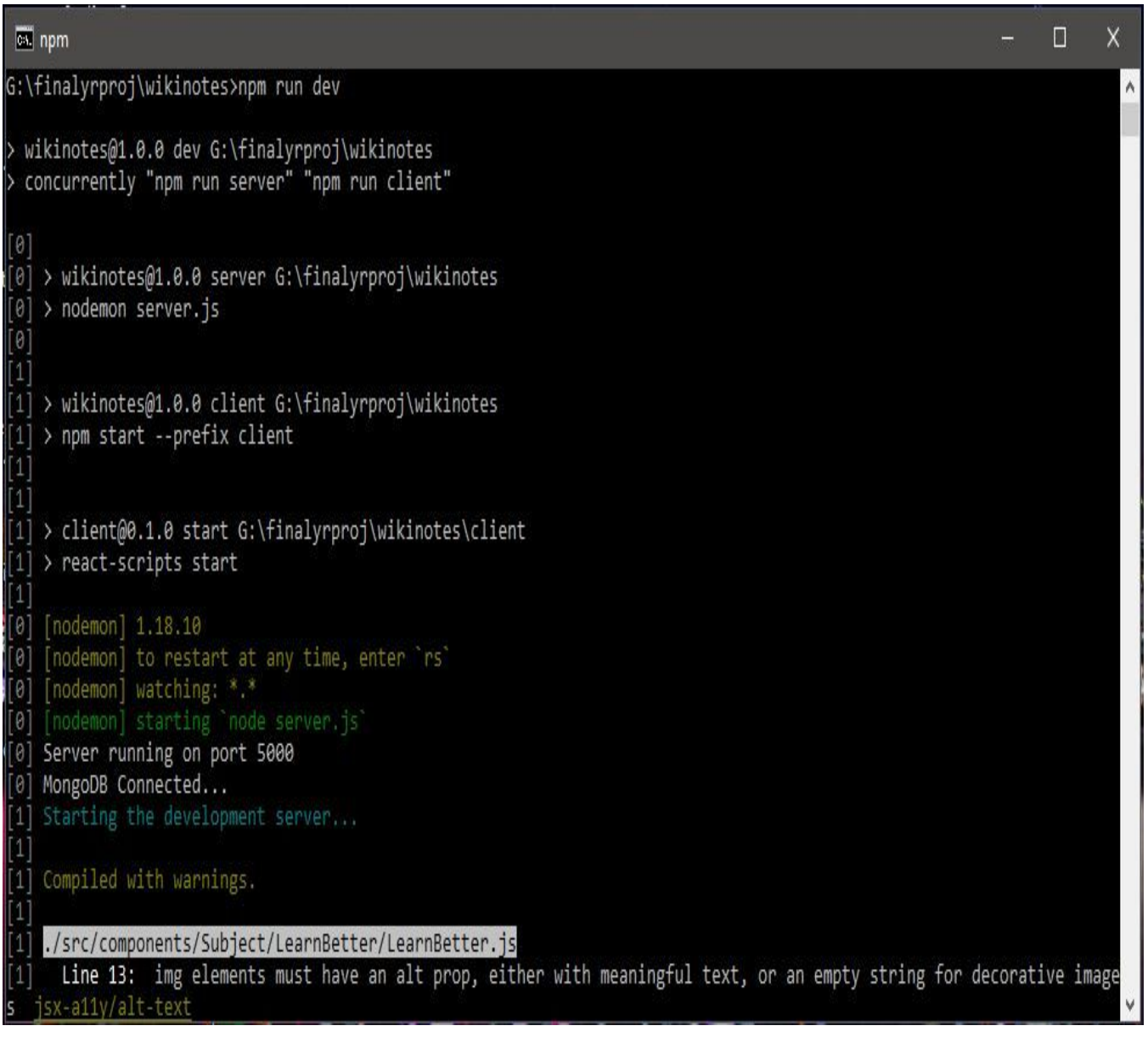
   Here, the mongodb server is started, keep it running in a terminal.



2. Run client and server concurrently by running following commands in a separate terminal:

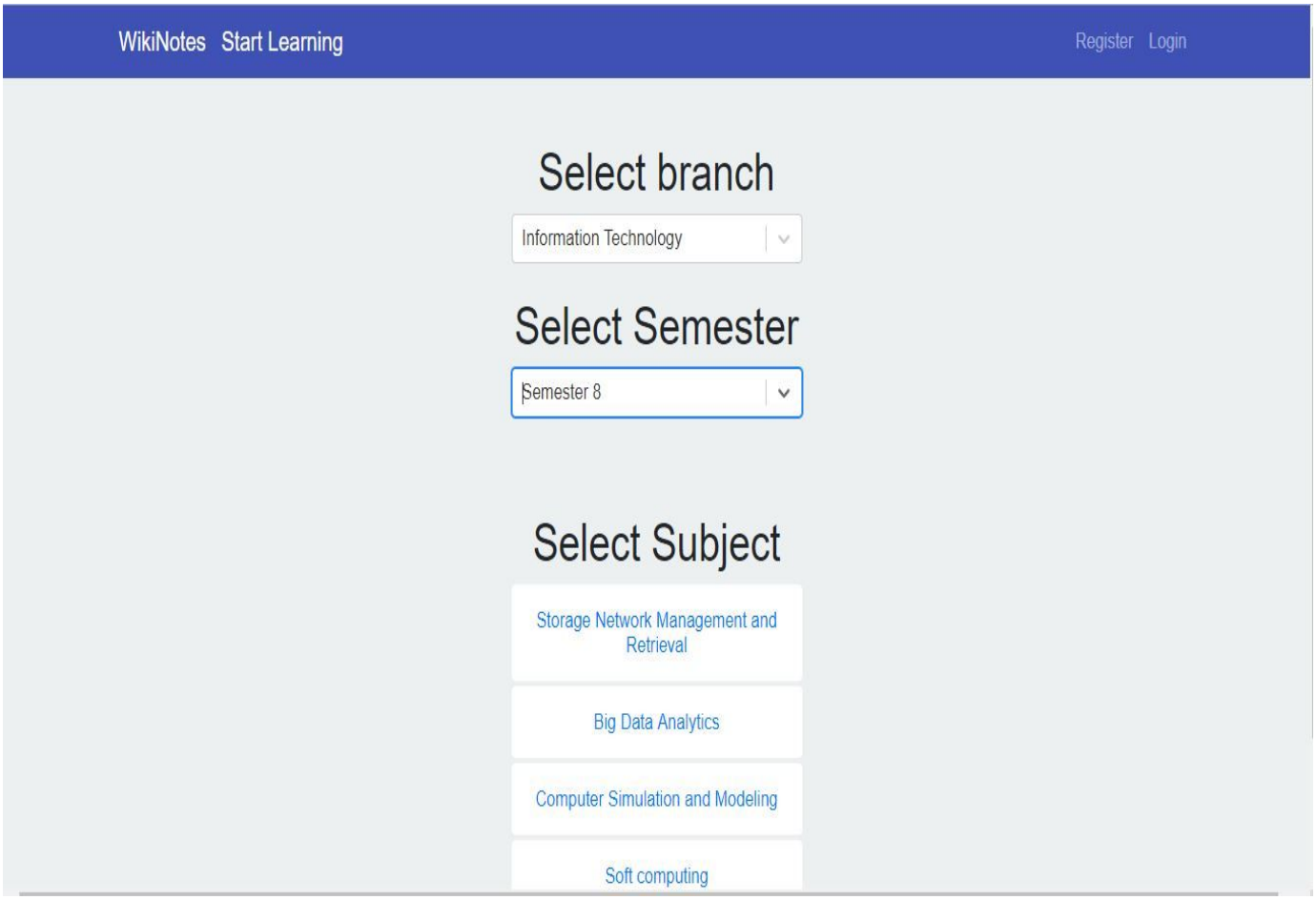
> npm run dev

After this the concurrently module of npm package will get called and it will help us to run client and server at the same time.



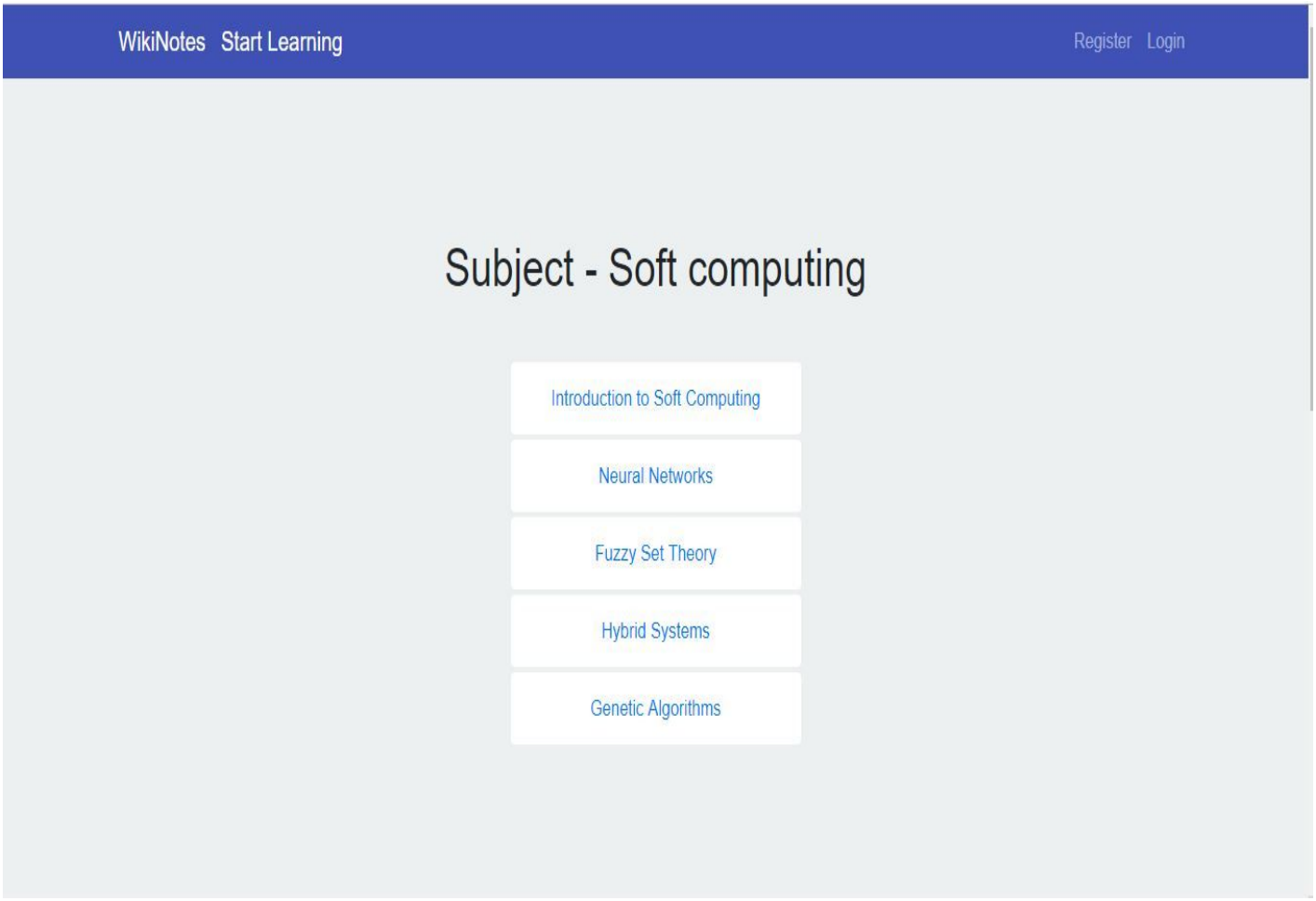
3. Course selection page:

Here, the user can select their Branch, Semester and Subject. On selecting Branch and semester, the respective subjects from the database will be fetched and displayed and the user can select their subject accordingly.



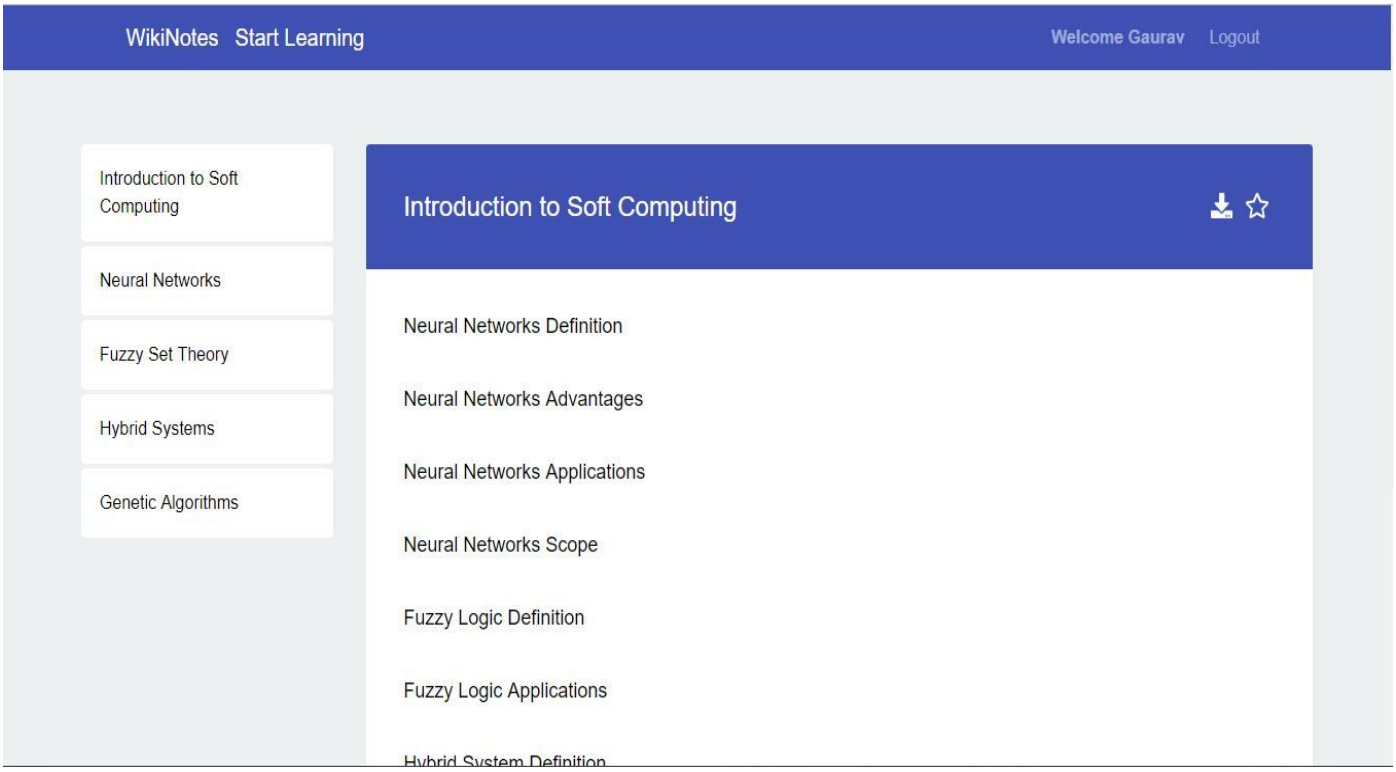
4. Subject page:

On this page, corresponding modules of that subject will be displayed which will be fetched from the database, here user can select any topic, they want to learn.



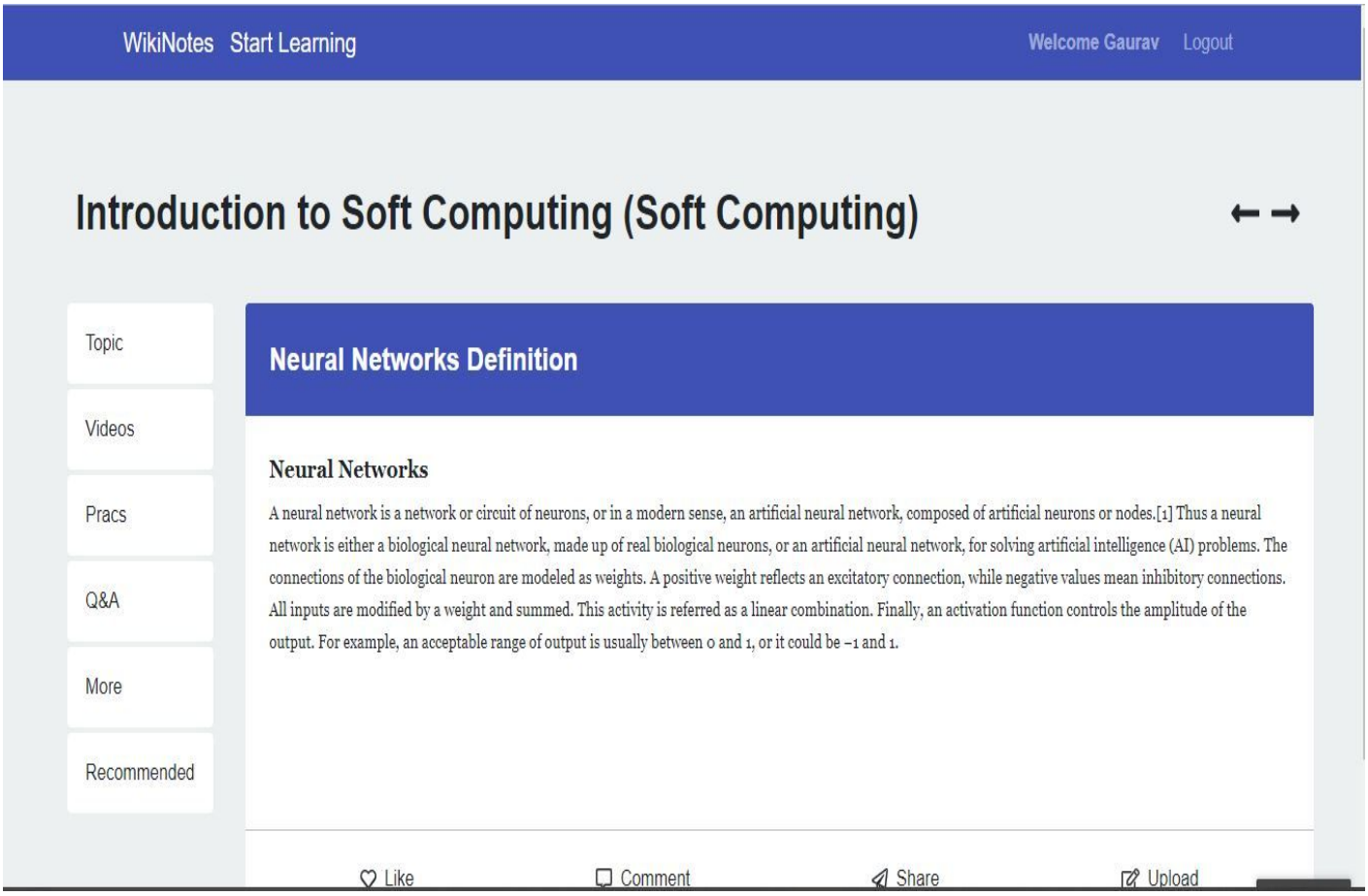
5: Module page:

Here, the topics of the selected module will be fetched from the database and get displayed.



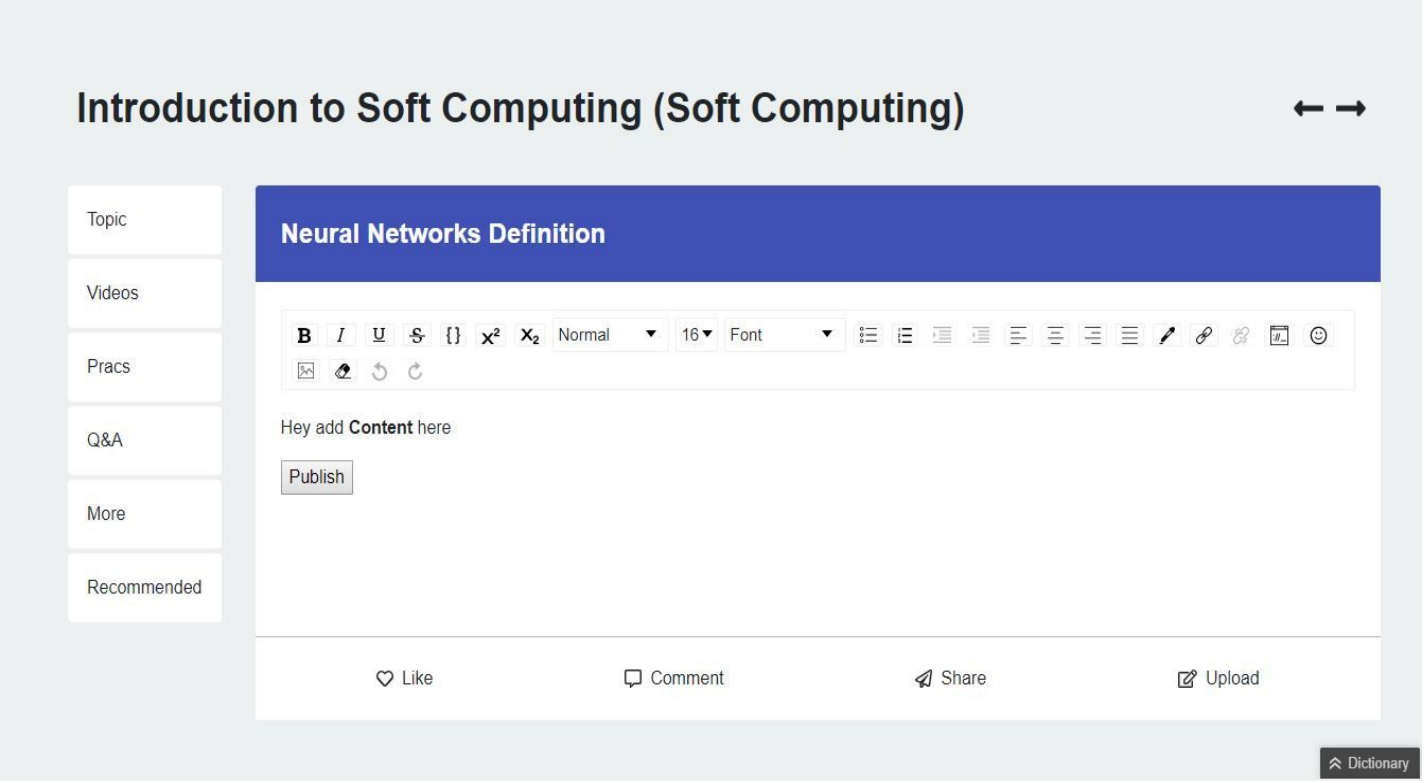
6: Topics page:

After selecting a topic, user will be able to read the content here on topic page. The user can like, comment, share, and choose to upload their own notes by clicking on upload button.



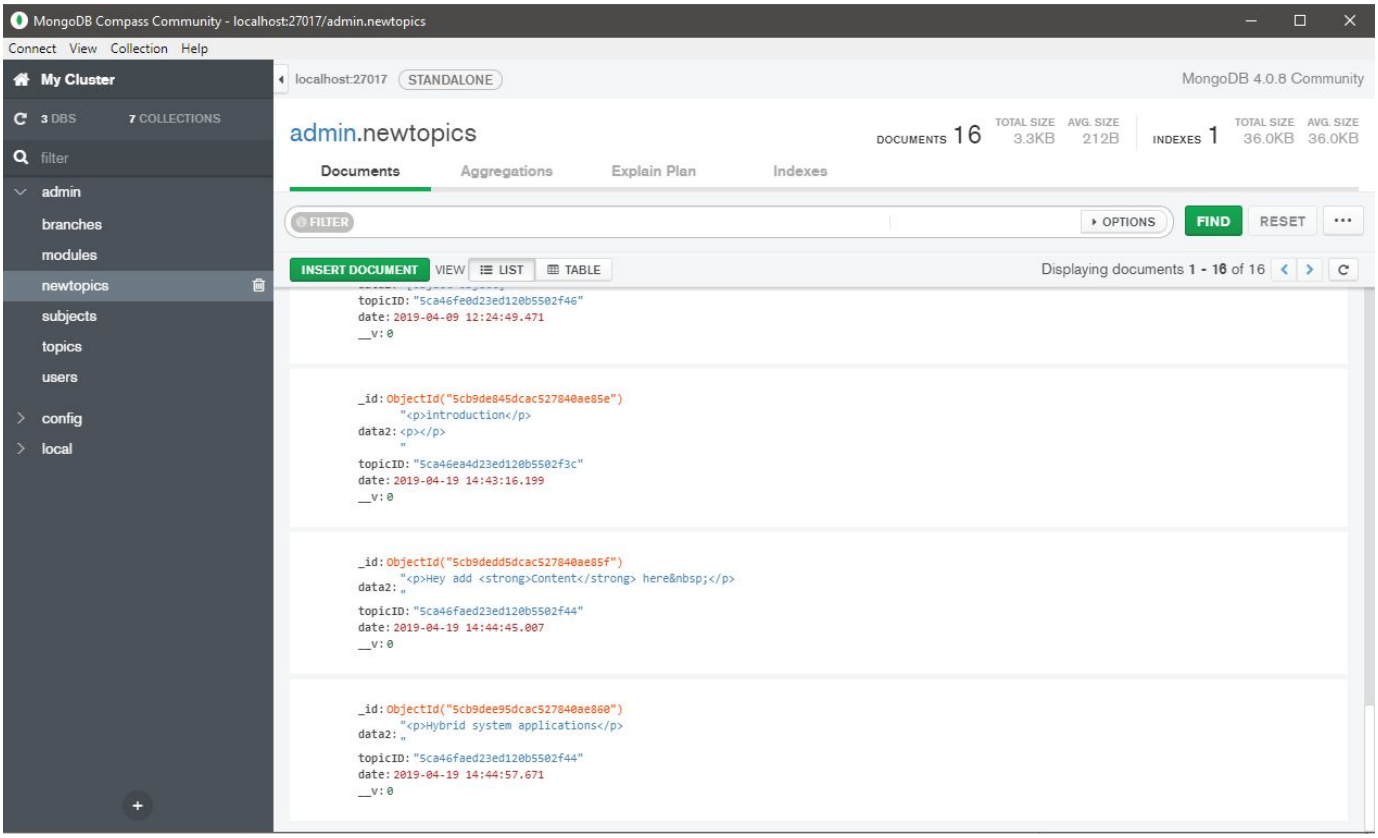
7: Uploads page:

On clicking upload button, the user will be presented with a rich-text editor, by using which the user will be able to create content containing text, images, videos and many other features a text editor provides. On clicking the publish button, the entry will be made into database.



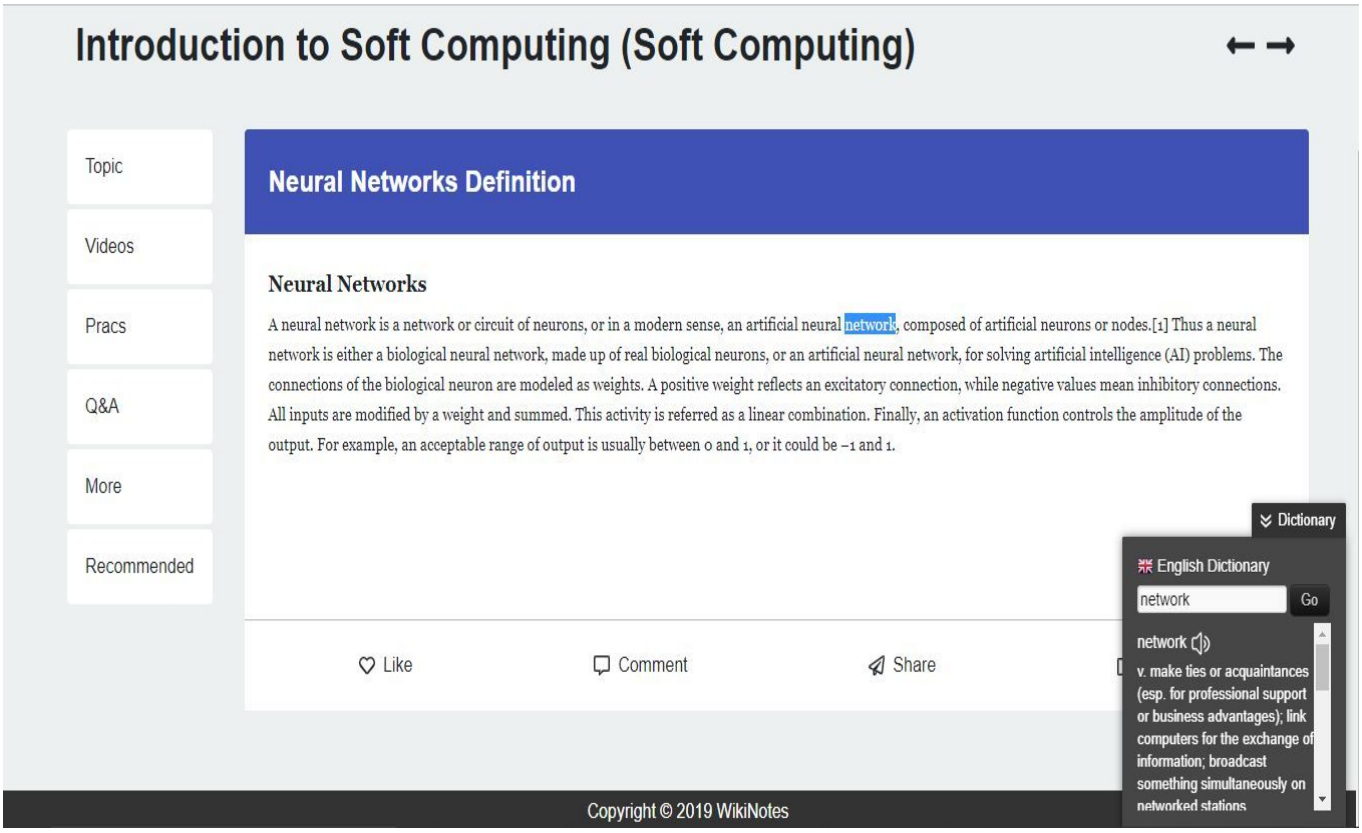
8: Uploaded content in MongoDB:

The following screenshot shows the mongodb collection where the content is stored based on topic id. The content is first converted into html format by using convertToRaw functionality of the editor and then stored into the database. After this, the content can be converted back into text format by using convertFromRaw function.



9: Dictionary Box implementation:

The website features a dictionary button available at bottom right corner of the page. If any user has any difficulty understanding the content, then they can select the word and the dictionarybox api will be fetched and the box will popup displaying the meaning of the word to the user.



Conclusion:

In this implementation, we have built the functionality of our project where the user is able to view the subjects of their semester and branch and select the module and topic which they want to study. Also, the user is able to upload their own content. Also, if the user has difficulty in understanding a particular word then they are able to select the word and, they will get the meaning of that word at the bottom right corner of screen.