VASAVI COLLEGE OF ENGINEERING (Autonomous)
IBRAHIMBAGH, HYDERABAD-500031
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
Name of the Course: **Full Stack Web Development**

ASSIGNMENT - 3

Name of the Faculty: **S Vinay Kumar**   Date of Submission: **18-12-23**

Class : **B.E.**   Time: **10.40 AM -11.40 AM**

Section: **A**

Sem: **V**

Academic Year : **2023-24**

Note: 1. You are required to use **Mongo DB or MYSQL DB** for handling data related to the web application. Develop an API using REST API to offer atleast two services for your web application.
    2. All the programs of the assignment are to be uploaded into your respective **GITHUB Accounts. This account must be used for lab as well as for projects. Create separate folders for each of these.**

Set-I (1602-21-733-005,012,013,020,026,029,032,036,037,063)

Q.No.	Description of the Question	Mar ks	BTL (1/2/3/ 4/5/6)	Mapped CO	PO
1	Create a web application for managing Internships. The application must records the student personal information, academic information, record the internship details such as [Name of the Company / Industry, Roll Number, Name of the Student, Title of the Project Work in Company, Year/Sem, Start Date (dd-mm-yy format), End Date (dd-mm-yy format), No. of Days, Stipend Per Month], The forms must also allow user to submit the internship offer letter to take permission to undergo internship. An approval mechanism to be created to approve the application online. Once the user completes the internship a reminder to be sent to upload the completion letter. Perform data validation for each of these user entries and give provision to submit and reset this information. Develop REST APIs to retrieve the users data on "companyname", retrieve number of internships with a company, retrieve stipend data based on company.	5	3	4,5	1,2, 3,5

SET-II (1602-21-733-001 to 004, 006,007,008)

Q.No.	Description of the Question	Mar ks	BTL (1/2/3/ 4/5/6)	Mapped CO	PO
1	Develop a web application that will allow a user to conduct an online examination, with the exam pattern being multiple choice questions. The end user must be enabled to display any number of questions and options for each question. Each question can have more than one correct answer. The application must keep track of a timer, to end the exam. Students are the users who will login to take the test. Once the test is submitted by all students the results are to be displayed student-wise and course-wise. Use localStorage in JavaScript.	5	3	4,5	1,2, 3,5

SET-III (1602-20-733-009 to 011, 014 to 017)

Q.No.	Description of the Question	Mar ks	BTL (1/2/3/ 4/5/6)	Mapped CO	PO
1	Develop a web application that enables Physical Education department to maintain the records in each game. The application will feature menu options to list the games and depending on the game, the web page design is to be done. For example: Carrom Board have: 2 or 4 players details, scores of each game, total time spent, winners Cricket: Team list, Score card ball by ball, winners so on Enable a provision for the Physical Education Teacher to have a report of the events with winners and runners of each game	5	3	4,5	1,2, 3,5

SET-IV (1602-21-733-018,019,021 to 025)

Q.No.	Description of the Question	Mar ks	BTL (1/2/3/ 4/5/6)	Mapped CO	PO
1	Develop a web application that allows users to apply, renew, modify the details of the student bus pass. There will be two types of bus passes-Exclusive and General. Perform validation for each type of pass which includes uploading of bonafide certificate, valid student id card. Assume that these are the details to be provided and the college will approve the application request, which will later be submitted to the concerned authority to issue the bus pass.	5	3	4,5	1,2, 3,5

SET-V (1602-21-733-027 to 028, 030,031, 033 to 035)

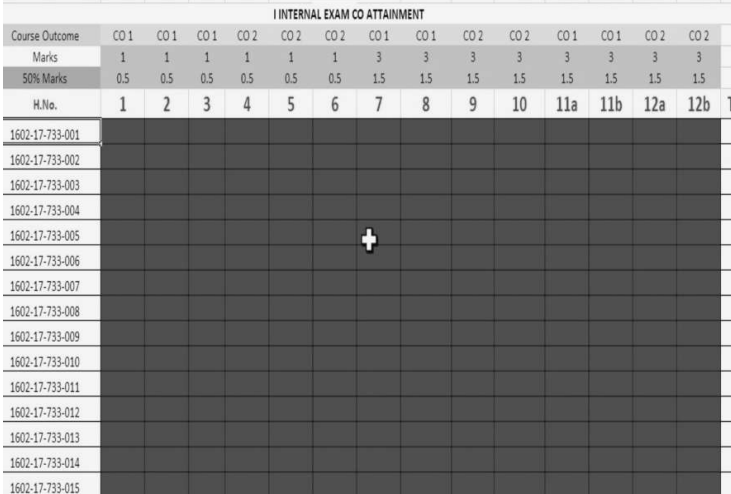| Q.No.	Description of the Question	Marks	BTL (1/2/3/4/5/6)	Mapped CO	Mapped PO
1	Develop a web application which allows us to maintain a calendar of events for Students. This calendar view must maintain flag against each event as Completed, Pending, Upcoming, High Priority etc. The application must enable faculty to edit, delete, create, and share the schedules. These schedules must be in read only mode for the students. Faculty should have a dashboard to view the students details who have completed, pending and not on track with their schedules so on.	5	3	4,5	1,2,3,5

SET-VI (1602-21-733-038 to 044)

Q.No.	Description of the Question	Marks	BTL (1/2/3/4/5/6)	Mapped CO	Mapped PO
1	Development of software for streamlining the listing of cases through Differentiated Case Flow Management Description: Cases differ substantially in the time required for a fair and timely adjudication, not all cases make the same demands upon judicial system resources. Thus, they need not be subject to the same processing requirements. The concept of Case Flow Management for High Court and Subordinate Courts was first introduced through the judgment of the Supreme Court of India in the case of Salem Advocate Bar Association v. Union of India, following which the Model Draft Rules were proposed by the Law Commission, Jagannadha Rao Committee, wherein model case management rules endorsed by the Supreme Court also containing timelines for different case types, the upper limit of which is two years were proposed. Computerization has failed to improve the case scheduling process. However, solving some administrative problems through the aid of technology could reduce the constraints under which judges work and ensure the timely listing of cases thus aiding the speedy disposal of cases. A 'Differentiated Case Flow Management(DCM) system would enable a court to prioritize cases and the recognition that many cases can and should proceed through the court system at a faster pace than others if appropriate pathways are provided. Objective/Expected Outcome: Under a DCM system, cases do not wait for disposition simply on the basis of the chronological order of their filing. This would greatly aid in minimizing and making more predictable the time between case events more and aid efficient disposal of cases.	5	3	4,5	1,2,3,5

SET-VII (1602-21-733-046 to 049 051, 052 to 054)

Q.No.	Description of the Question	Marks	BTL (1/2/3/4/5/6)	Mapped CO	Mapped PO
1	Develop a web application for conducting online surveys. The User interface must allow the end users to create easy questionnaire with the options being text or an image. The application should be able to calculate the number of votes how each question was answered and generate a dashboard with the result. The GUI should be able to show a graph for highlighting the poll results using different types of Graphs like Bar or Pie chart	5	3	4,5	1,2,3,5

SET-VIII (1602-21-733-055 to 061)

Q.No.	Description of the Question	Marks	BTL (1/2/3/4/5/6)	Mapped CO	Mapped PO
1	Develop a web application that allows faculty to enter students marks for a subject in question-wise format as shown below. Perform validation for each question mark, against the maximum marks, that are entered on the application using React.	5	3	4,5	1,2,3,5

SET-IX (1602-21-733-062, 064 to 067, 135, 136)

Q.No.	Description of the Question	Marks	BTL (1/2/3/ 4/5/6)	Mapped CO	Mapped PO
1	Develop a web application which keeps track of data about students academic background and helps HR manager to generate eligibility list wrt a Company. There should be provision to capture the data of a candidate through multiple forms. Use the appropriate styling for creating rich interface and perform the necessary validation using JavaScript	5	3	4,5	1,2, 3,5

SET-X (1602-21-733-301 to 307)

Q.No.	Description of the Question	Marks	BTL (1/2/3/ 4/5/6)	Mapped CO	Mapped PO
1	Develop a platform for the local artisans and entrepreneurs to showcase their skills and to promote the local products. It covers a wide range of products, including traditional handicrafts, textiles, carpets, shawls, and dry fruits, among others. The products are manufactured using locally sourced materials, preserving the rich cultural heritage of the region. several challenges persist in wider outreach and equitable remuneration to local producers and artisans. Scope for developing unique software-based solutions exist at each stage from producers to final consumers enabling direct market linkages.	5	3	4,5	1,2, 3,5