SVKM's Mithibai College of Arts, Chauhan Institute of Science & Amrutben Jivanlal College of Commerce & Economics (AUTONOMOUS)

Program: Bachelor of Science (Computer Science)		**Semester: V**	
Course: Computer Science Practical 11 (Based on Artificial Intelligence and Web Services)		**Course Code: USMACSP512**	
Teaching Scheme		**Evaluation Scheme**	
Practical (Hours per week)	**Credit**	**Continuous Assessment (CA)**	**Semester End Examinations (SEE)**
6	3	20%	80 %

List of Practical: Artificial Intelligence	
Sr. No.	**Topic**
1	Write a program to implement Breadth first search algorithm for Romanian map problem
2	Write a program to implement Depth first search algorithm for Romanian map problem
3	Write a program to implement Iterative Deep Depth first search algorithm for Romanian map
4	Write a program to implement A* search algorithm for Romanian map
5	Write a program to implement recursive best-first search algorithm for Romanian map problem
6	Write a program to solve N-Queen problem
7	Write a program to implement Wumpus-world problem
8	Write a program to implement alpha beta search.
9	Write a program to solve Hill climbing problem.
10	Write a program to solve water jug problem

List of Practical: Web Services	
Sr. No.	**Topic.**
1	Implement and consume a simple web service.
2	Develop client, which consumes web services developed in different platform.
3	To implement the operation to receive request and return a response in two ways. a) One - Way operation b) Request-Response.
4	Write a JAX-WS web service to perform the following operations. Define a Servlet/JSP that consumes the web service.
5	Define a web service method that returns the contents of a database in a JSON string. The contents should be displayed in a tabular format OR Using JSON Implement CRUD Operation.

6	Implement a simple GraphQL query using the Node.JS.
7	Implement a simple GraphQL mutation using the Node JS.
8	Demonstrate a database connected GraphQL query using Prisma.
9	Implement a typical service and a typical client using WCF.
10	Use WCF to create a basic ASP.NET Asynchronous JavaScript and XML (AJAX) service.