Sinhgad Technical Education Society's

Sinhgad Institute of Management

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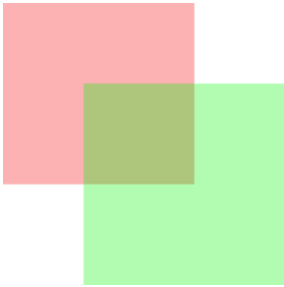**IT-21L: Practical Journal On**

Advanced Internet Technologies

A.Y. 2023-24

Class: MCA – I

Semester – II

Index

Sr. No.	Name of Program	Page No.	Date	Sign
1	Design a web page using sematics elements of HTML5 to display page information, structure, and visual presentation.			
2	Write a Program using HTML5 to implement Audio features in a web page.			
3	Write a Program using HTML5 to implement Video feature in a web page.			
4	Draw a square using HTML5 SVG, fill that square with yellow color and make a 5px blue stroke width.			
5	Write HTML5 code to draw the given image using Canvas.			
6	Write HTML code to draw a rectangle using Canvas and fill color in gradient with red to pink color from start to end.			
7	Write a CSS style specification rule that would make all unordered lists (tags) have square bullets and a purple background. ul { list-style-type: square; background-color: purple; }			
8	Create an external style sheet with pseudo classes (active, visited, hover, link, focus, first-child, last-child) and apply those styles in HTML page.			
9	Implement Transformation using Translation, Rotation and Scaling in your web page.			
10	Write a Program in NodeJS to show current date and time using user defined module.			
11	Program using built-in modules to split the query string into readable parts.			
12	Program using NPM which will convert entered string into either case.			
13	Write a program to create a calculator using Node JS. (Install and configure Node JS and Server)			
14	Write Program for Form validation in Angular.			
15	Program to demonstrate the ngif, ngfor, ngswitch statements.			

16	Create angular project which will demonstrate the usage of component directive, structural directive and attribute directives			
17	Create angular project which has HTML template and handle the click event on click of the button (Installation of Angular and Bootstrap 4 CSS Framework)			
18	Program for basic operations, array and user interface handling.			
19	Program to demonstrate session management using various techniques.			
20	Program to perform the CRUD Operations using PHP Script.			
21	Write PHP program to Submit & Retrieve the Form Data Using $_GET(), $_POST() and $_REQUEST() Variables.			
22	Write simple PHP program to Set cookies and read it and Demonstrate session management.			
23	Write a PHP code to accept and insert customer details from customer. After successful insertion, display customer details in proper format (assume suitable fields and table structure)			
24	Write a PHP script to design a form for exam registration. Insert 5 records in database and display all the inserted records on a new web page.			
25	Write a PHP script to design a form to reschedule the journey dates of flight and display the updated information on a new web page.			

Note: Each question output must be written in the AIT lab manual.