

**GANAPT UNIVERSITY**  
**FACULTY OF ENGINEERING & TECHNOLOGY**  
**U. V. PATEL COLLEGE OF ENGINEERING**  
**(2CEIT6PE1) Web Technology**  
**SYLLABUS for 1<sup>st</sup> Internal Examination March 2024**

Unit	Content
1	<b>Web Fundamentals:</b> Introduction to Web, Web fundamentals, Web Application, Web Application Architecture, Web database architecture, Web services, API
2	<b>PHP: Flow control, building blocks, Functions, Array, Objects and Strings</b> Variables, Variable scope, Data Types, Constants, Conditional statements, Loops: for, while, for each, break, continue <b>PHP Functions:</b> Introduction of Function, Calling Function, Defining a Function, Returning Values, Parameterized Function, Call By Value, Call By Reference, Default Arguments, Variable Arguments, Recursive Function <b>PHP Arrays:</b> PHP Indexed Array, PHP Associative Array, Multidimensional Array, PHP Array Functions
3	<b>Working with Forms:</b> Creating a Simple Input Form, Accessing Form Input with User-Defined Arrays, Combining HTML and PHP Code on a Single Page, Redirecting the User, Form Validation - Required Fields, Validate Username, Email, mobile and URL with RegEx, Functions: preg_match(), preg_replace() and preg_match_all()
4	<b>PHP File:</b> PHP File Handling, Open File, Read File, Write File, Append File, Delete File, File Uploads and Downloads <b>Global variables:</b> \$GLOBALS, \$_SERVER, \$_ENV, \$_GET, \$_POST, \$_REQUEST, \$_FILES <b>PHP Header:</b> Working, Syntax, Applications <b>PHP include and require statements:</b> Working, Syntax, Variants

**Prof. Rachana Modi**

**Prof. Megha Patel**