



# Yogoda Satsanga Mahavidyalaya

JAGANNATHPUR, DHURWA, RANCHI – 834004

Email address: [ysmranchi4@gmail.com](mailto:ysmranchi4@gmail.com)

(NAAC Accredited, Grade: B++, CGPA: 2.89)

---

## COURSE PLAN

<b>NAME OF THE DEPARTMENT:</b>	<b>BCA</b>
<b>NAME OF THE FACULTY:</b>	<b>Prof. Saroj Kumari</b> <b>Prof. Khushbu Kumari</b>
<b>ACADEMIC SESSION:</b>	<b>2023-24</b>
<b>YEAR:</b>	<b>2024</b>
<b>PROGRAMME:</b>	<b>Regular</b>
<b>SEMESTER:</b>	<b>IV</b>
<b>COURSE TYPE:</b>	<b>BCA</b>
<b>COURSE NAME:</b>	<b>HTML &amp; PHP Programming</b>
<b>COURSE CODE:</b>	<b>SEC-II</b>
<b>TOTAL CREDIT:</b>	<b>2</b>



# Yogoda Satsanga Mahavidyalaya

JAGANNATHPUR, DHURWA, RANCHI – 834004

Email address: [ysmranchi4@gmail.com](mailto:ysmranchi4@gmail.com)

(NAAC Accredited, Grade: B++, CGPA: 2.89)

---

## PROGRAMME OUTCOMES (PO):

- PO1: Scientific & Computational Knowledge:** - Apply the information on scientific & computational ideas, software engineering and innovation basics.
- PO2: Problem Analysis, Design & Implementation:** - Identify, formulate and analyze real world problem. Design solution for Software, Hardware & Networking problems and implementation using Software & Network tools.
- PO3: Modern tool usage:** - Ability to select modern computing tools, skills and techniques necessary for innovative software solutions.
- PO4: Project Management:** -Comprehend Software Engineering and Technology standards and apply these to prepare own project and system as a part and pioneer in a group.
- PO5: Career Development & Entrepreneurship:** Classify opportunities, private enterprise dream and use of original thoughts to build worth and means for the betterment of the human being and the world.
- PO6: Communication:** Communicate effectively on computational & information Technology activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- PO7: Ethics:** Ability to apply and commit professional Ethics, cyber regulations & control on software piracy in a global economic environment.
- PO8: Preparing students for future aspects:** Building and improving their creativity, social awareness, and general knowledge.
- PO9: Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological changes.

## PROGRAMME SPECIFIC OUTCOMES (PSO):

- PSO1:** An ability to apply technical comprehension in varied areas of Computer Applications and experience a conducive environment in cultivating skills for thriving career and higher studies.
- PSO2:** Understand the concept of Programing logic, Web designing logic, Signal processing, Image processing, Mobile Applications, Multimedia Media.
- PSO3:** Develop competencies in various disciplines of technologies such as Server-side Web applications, computer networking, software engineering, database concepts and programming



## COURSE OUTCOMES (COs):

- CO1:** Learn the basic elements of Web designing with HTML Programming.
- CO2:** Understand Architecture and working of front-end using HTML and Handling back-end using PHP Programming.
- CO3:** Understand adding link, images, Tables and other designing attributes and its applications in web designing through practical examples.
- CO4:** Understand working on Form and its action methods. Also handling form through database (Application of XAMPP Server).
- CO5:** Understand the application of cascading style sheets with different attributes and applying styles to the web pages.
- CO6:** learn application of PHP programming concepts like conditional statements, looping, array, functions, Strings and applying these concepts for validating forms.
- CO7:** Connection establishment between Form/web pages and database, learn database concept and application with PHP Programming, handle operations on data using queries for validating data in form.

## COURSE TEACHING AND LEARNING ACTIVITIES

### A. PEDAGOGY

- i. Whiteboard ✓
- ii. Flipped Class ✓
- iii. PPT ✓

### B. COURSE COMPLETION PLAN

#### HTML Programming:

UNIT	NO. OF LECTURES		TEST	QUIZ	ASSIGNMENT
	THEORY	PRACTICAL/TUTORIAL			
1	1	3	✓	✓	✓
2	2	4	✓	✓	✓
3	3	6	✓	✓	✓
4	2	4	✓	✓	✓
5	4	6	✓	✓	✓
6	3	8	✓	✓	✓



# Yogoda Satsanga Mahavidyalaya

JAGANNATHPUR, DHURWA, RANCHI – 834004

Email address: [ysmranchi4@gmail.com](mailto:ysmranchi4@gmail.com)

(NAAC Accredited, Grade: B++, CGPA: 2.89)

## PHP Programming:

UNIT	NO. OF LECTURES		TEST	QUIZ	ASSIGNMENT
	THEORY	PRACTICAL/TUTORIAL			
1	3	3	√	√	√
2	2	4	√	√	√
3	2	4	√	√	√
4	3	4	√	√	√
5	3	5	√	√	√
6	2	4	√	√	√

### A. COURSE DELIVERY PLAN:

UNIT	TOPIC/SUBTOPIC	LECTURE REQUIRED (Theory & Practical)	CO ADDRESSED	ASSIGNMENT/ TEST/QUIZ
1	Introduction (HTML Programming)	1+3	CO1	√
2	The Basics: The Head, the Body Colors, Attributes, Lists, ordered and unordered	2+4	CO2	√
3	Links: Introduction, Relative Links, Absolute Links, Link Attributes, Using the ID Attribute to Link Within a Document	3+6	CO2, CO3	√
4	Images: Putting an Image on a Page, Using Images as Links, Putting an Image in the Background	2+4	CO3	√
5	Table: Creating a Table, Table Headers & Captions, Spanning Multiple Columns, Styling Table	4+6	CO3	√
6	Forms: Basic Input and Attributes, Other Kinds of Inputs, Styling forms with CSS, Where To Go From Here	3+8	CO4 & CO5	√



# Yogoda Satsanga Mahavidyalaya

JAGANNATHPUR, DHURWA, RANCHI – 834004

Email address: [ysmranchi4@gmail.com](mailto:ysmranchi4@gmail.com)

(NAAC Accredited, Grade: B++, CGPA: 2.89)

UNIT	TOPIC/SUBTOPIC	LECTURE REQUIRED  (Theory & Practical)	CO ADDRESSED	ASSIGNMENT/ TEST/QUIZ
1	<b>Introduction (PHP Programming)</b>  PHP introduction, inventions and versions, important tools and software requirements (like Web Server, Database, Editors etc.) PHP with other technologies, scope of PHP Basic Syntax, PHP variables and constants Types of data in PHP, Expressions, scopes of a variable (local, global) PHP Operators: Arithmetic, Assignment, Relational, Logical operators, Bitwise, ternary and MOD operator. PHP operator Precedence and associativity	3+3	CO2, CO7	√
2	<b>Handling HTML form with PHP:</b>  Capturing Form Data, GET and POST form methods, dealing with multi value fields, Redirecting a form after submission	2+4	CO4, CO7	√
3	<b>PHP conditional events and Loops:</b>  PHP IF Else conditional statements (Nested IF and Else) Switch case, while, For and Do While Loop Goto, Break, Continue and exit	2+4	CO4, CO6	√
4	<b>PHP Functions:</b>  Function, Need of Function, declaration and calling of a function, PHP Function with arguments, Default Arguments in Function, Function argument with call by value, call by reference, Scope of Function Global and Local	3+4	CO4, CO6	√
5	<b>String Manipulation and Regular Expression:</b>  Creating and accessing String, Searching & Replacing String, Formatting, joining and splitting String, String Related Library functions, Use and advantage of regular expression over inbuilt function, Use of preg_match(), preg_replace(), preg_split() functions in regular expression Reference	3+5	CO6	√



# Yogoda Satsanga Mahavidyalaya

JAGANNATHPUR, DHURWA, RANCHI – 834004

Email address: [ysmranchi4@gmail.com](mailto:ysmranchi4@gmail.com)

(NAAC Accredited, Grade: B++, CGPA: 2.89)

6	Array:  Anatomy of an Array, Creating index based and Associative array, Accessing array Looping with Index based array, with associative array using each() and foreach() Some useful Library function	2+4	CO4, CO6	√
---	---	-----	----------	---

## B. COURSE OUTCOME ASSESSMENT PLAN

### a. DIRECT ASSESSMENT

(Please tick the appropriate column)

COURSE OUTCOME	ASSESSMENT				REMARKS
	QUIZ	TEST	MID SEMESTER	END SEMESTER	
CO1		√		√	
CO2		√		√	
CO3		√		√	
CO4		√		√	
CO5		√		√	
CO6		√		√	

## C. SUGGESTED READINGS

### a. REFERENCE BOOKS

- Steven Holzner, "PHP: The Complete Reference Paperback", McGraw Hill Education (India), 2007.
- Timothy Boronczyk, Martin E. Psinas, "PHP and MYSQL (Create-Modify-Reuse)", Wiley India Private Limited, 2008.
- Robin Nixon, "Learning PHP, MySQL, JavaScript, CSS & HTML5", 3rd Edition Paperback, O'reilly, 2014.

### b. VIDEO RESOURCE

- [https://youtu.be/x9bTBcron78?si=7pLW\\_ySjSJAwr27iO](https://youtu.be/x9bTBcron78?si=7pLW_ySjSJAwr27iO)
- <https://youtu.be/HcOc7P5BMi4?si=4kgERL16Xq-SP0VN>
- <https://youtu.be/ESnrn1kAD4E?si=R2f-0QeXNys6jaPr>

### c. E-RESOURCES

- <https://www.javatpoint.com/html-tutorial>
- <https://www.javatpoint.com/css-tutorial>
- <https://www.w3schools.com/js/>
- <https://www.php.net/manual/en/tutorial.php>
- <https://www.javatpoint.com/php-tutorial>