

AIML INTERNSHIP PROGRAM – OFFICIAL SYLLABUS

1. Program Details

Program Name	AIML Internship
Duration	6 Months (2 Classes/Week, 1 Hour Each – Total 48 Hours)
Mode	Online
Eligibility	Diploma / UG / PG Students

2. Course Objective

The AIML Internship Program aims to provide students with fundamental knowledge of **Artificial Intelligence and Machine Learning**. The program focuses on practical learning through Python programming, data analysis, machine learning concepts, and modern AI technologies to develop industry-relevant skills.

3. Course Structure & Syllabus (48 Hours)

Unit	Topics Covered	Hours
I	Mathematics for AI/ML - Linear Algebra basics, Probability concepts, Statistics for Machine Learning	6
II	Python Programming - Python fundamentals, variables, loops, functions, data structures	8
III	NumPy, Matplotlib, Pandas - Data manipulation, data visualization, array operations, dataset handling	8
IV	Machine Learning Fundamentals - Supervised learning, Unsupervised learning, regression, classification models	10
V	Deep Learning Frameworks (TensorFlow) - Neural networks, model training, TensorFlow introduction	8
VI	Generative AI (GenAI) - Large Language Models overview, prompt engineering, AI applications	8

4. Teaching Methodology & Evaluation

Instructor-led practical sessions, live coding demonstrations, hands-on tasks, practical exercises, and mini project-based evaluation.

5. Program Outcome

After completing the program, students will understand the **basics of AI/ML, data analysis, and machine learning models**, and gain practical exposure to modern **AIML technologies**.

6. Certification

Upon successful completion, students will receive a AIML Internship Certificate. The certificate is MSME approved, issued by an ISO-certified organization, and is valid for college internships, MSME internships, academic records, and skill development programs.

FULL STACK DEVELOPER INTERNSHIP PROGRAM – OFFICIAL SYLLABUS

1. Program Details

Program Name	Full Stack Developer Internship
Duration	6 Months (2 Classes/Week, 1 Hour Each – Total 48 Hours)
Mode	Online
Eligibility	Diploma / UG / PG Students

2. Course Objective

To provide foundational and practical knowledge of full-stack web development, enabling students to design simple dynamic web applications using industry-relevant technologies.

3. Course Structure & Syllabus (24 Hours)

Unit	Topics Covered	Hours
I	Web Fundamentals – Web technologies, client–server architecture, HTTP/HTTPS	4
II	HTML5 – Structure, tags, forms, tables, semantic elements, best practices	6
III	CSS3 – Selectors, box model, layouts, flexbox, grid, responsive design, media queries	8
IV	Bootstrap – Grid system, responsive components, forms, navbar, utilities	6
V	JavaScript – Variables, functions, arrays, objects, DOM, events, validation, ES6 overview	10
VI	PHP Fundamentals – Syntax, control structures, functions, form handling, sessions	6
VII	MySQL – Database concepts, tables, relationships, basic SQL queries	4
VIII	PHP with MySQL – Connectivity, CRUD operations, authentication, security overview	4

4. Teaching Methodology & Evaluation

Instructor-led practical sessions, live coding demonstrations, hands-on tasks, practical exercises, and mini project-based evaluation.

5. Program Outcome

Understanding of full-stack development workflow, ability to build basic dynamic web applications, and hands-on exposure to frontend–backend integration.

6. Certification

Upon successful completion, students will receive a Full Stack Developer Internship Certificate. The certificate is MSME approved, issued by an ISO-certified organization, and is valid for college internships, MSME internships, academic records, and skill development programs.