



**DAYANANDA SAGAR ACADEMY OF TECHNOLOGY & MANAGEMENT**  
Opp. Art of Living, Udayapura, Kanakapura Road, Bangalore- 560082  
Affiliated to Visvesvaraya Technological University, Belagavi and Approved by AICTE, New Delhi  
**Accredited with NAAC A+ Grade**

# **DEPARTMENT OF MCA**

## **INTERNSHIP DIARY**

**DAMIAN ANGELUS A**

**1DT23MC024**

**Full Stack Web Development**

**Nov 18-Dec 28, 2024**

**Under the Guidance of**

**Dr.Enoch Arul Prakash**

Asst prof, Dept. of MCA

**Batch(2023-2025)**

**Course Objective:**

- To put theory into practice.
- To expand thinking and broaden the knowledge and skills acquired through course work in the field.
- To relate to, interact with, and learn from current professionals in the field.
- To gain a greater understanding of the duties and responsibilities of a professional.
- To understand and adhere to professional standards in the field.
- To gain insight to professional communication including meetings, memos, reading, writing, public speaking, research, client interaction, input of ideas, and confidentiality.
- To identify personal strengths and weaknesses.
- To develop the initiative and motivation to be a self-starter and work independently.

**Course Outcomes:**

<b>CO</b>	<b>Course Outcomes</b>	<b>RBT Level</b>	<b>RBT Level Indicator</b>
<b>CO1</b>	Demonstrate and understanding of the workplace environment, culture, and professional practices.	<b>L1/L2</b>	<b>U/R</b>
<b>CO2</b>	Apply theoretical knowledge and skills to practical tasks in a professional setting.	<b>L3</b>	<b>A</b>
<b>CO3</b>	Analyze problems and challenges encountered during the internship and propose solutions.	<b>L4</b>	<b>AN</b>
<b>CO4</b>	Evaluate their performance and the effectiveness of their contributions in the workplace.	<b>L5</b>	<b>C</b>
<b>CO5</b>	Develop a project plan for a new initiative that addresses a specific need identified during their internship.	<b>L6</b>	<b>E</b>

## Timeline of Internship

	Date	Day	Name of Topic /Module Completed	Faculty Signature
<b>WEEK-1</b>	26-11-24	Tuesday	Introduction to the course	
	27-11-24	Wednesday	Software Installation	
	28-11-24	Thursday	HTML	
	29-11-24	Friday	Parsing the code in HTML	
	30-11-24	Saturday	Building the content model in HTML	

	Date	Day	Name of Topic /Module Completed	Faculty Signature
<b>WEEK-2</b>	1-12-24	Sunday	CSS	
	2-12-24	Monday	Internal,external,inline CSS	
	3-12-24	Tuesday	JS	
	4-12-24	Wednesday	Generate content with JS	
	5-12-24	Thursday	Create interactive web elements	

	Date	Day	Name of Topic /Module Completed	Faculty Signature
<b>WEEK-3</b>	7-12-24	Saturday	MONGODB	
	9-12-24	Monday	Introduction	
	10-12-24	Tuesday	How to store data	
	11-12-24	Wednesday	Manipulation of data	
	12-12-24	Thursday	Data model	

	Date	Day	Name of Topic /Module Completed	Faculty Signature
<b>WEEK-4</b>	14-12-24	Saturday	ReactJS	
	15-12-24	Sunday	Introduction	
	16-12-24	Monday	Installing packages	
	17-12-24	Tuesday	Components Creation	
	18-12-24	Wednesday	Create simple page	

	Date	Day	Name of Topic /Module Completed	Faculty Signature
<b>WEEK-5</b>	19-12-24	Thursday	Routing concept	
	20-12-24	Friday	Create multiple pages	
	21-12-24	Saturday	Exporting data	
	22-12-24	Sunday	Connecting with mongodb	
	23-12-24	Monday	Adding API Keys	

	Date	Day	Name of Topic /Module Completed	Faculty Signature
<b>WEEK-6</b>	26-12-24	Thursday	Project complementation	
	27-12-24	Friday	Project review	
	28-12-24	Saturday	Documentation	
	30-12-24	Monday	Final project submission	

### CO-PO Mapping

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
<b>CO1</b>	-	-	-	-	-	-	-	-
<b>CO2</b>	3	-	-	3	-	-	-	-
<b>CO3</b>	-	3	-	-	3	-	2	-
<b>CO4</b>	-	-	3	-	-	3	-	-
<b>CO5</b>	-	-	-	-	3	-	-	3

### **Learning Outcomes from Internship:**

My internship began with a thorough introduction to the fundamentals of web development, including front-end development, back-end development, databases, and version control. I gained a solid understanding of:

- Front-end development: HTML, CSS, JavaScript, and frameworks like React
- Back-end development: Programming languages javascript
- Databases: Relational databases like MySQL and NoSQL databases like MongoDB

### **Hands on Experience: building real world projects**

I worked on projects that allowed me to apply my knowledge and skills in real-world scenarios, including:

- Building a responsive salon management website using React, php, and MongoDB
- Developing a single-page application using ReactJS

### **Challenges and Lessons Learned :**

Debugging and troubleshooting complex issues

- Managing project timelines and meeting deadlines
- Staying up-to-date with industry trends and new technologies

### **Key Takeaways and Skills Gained:**

My Full Stack Developer internship provided me with:

- Practical experience in building scalable and efficient web applications
- Strong problem-solving skills and attention to detail
- Effective communication and collaboration skills
- A comprehensive understanding of web development frameworks, databases, and version control systems
- A portfolio of projects showcasing my skills and accomplishments.

## EVALUATION THROUGH INTERNSHIP REPORT, SEMINAR AND Q&A SESSION

### Continuous Internal Evaluation

CIE marks for the Internship/Professional practice report (20 marks), seminar (20 marks) and question and answer session (10 marks) shall be awarded (based on the quality of report and presentation skill, participation in the question and answer session by the student) by the committee constituted for the purpose by the Head of the Department.

### Semester End Examination

SEE marks for the internship report (20 marks), seminar (20 marks) and question and answer session (10 marks) shall be awarded (based on the quality of report and presentation skill, participation in the question and answer session) by the examiners appointed by the University.

### Rubrics for Internship Report Assessment (20 Marks)

	<b>Excellent (20)</b>	<b>V. Good (16)</b>	<b>Good(12)</b>	<b>Satisfactory (8)</b>	<b>Poor (4)</b>	<b>Final Score</b>
<b>Purpose and Objective of Internship</b>	The purpose and objective of the Internship report is made clear, and the report addresses the objective(s) in a focused and logical manner.	The purpose and objective of the Internship report is made clear, and the report addresses the objective.	Documented well but with slight ambiguity in analysing the problems	Purpose and objectives are stated ambiguously	The report does not clearly address the objective(s) of Internship.	
<b>Documenting the essence of Tools/Technology used, Grammar &amp; Spelling</b>	Complete information is provided about tools/technology, Very few spelling errors, correct punctuation, grammatically correct, complete sentences.	Information is provided about tools/technology, Occasional lapses in spelling, punctuation, grammar, but not enough to seriously distract the reader.	Average technical details on tools/ technology usage, Grammatical mistakes not corrected.	Less technical details, sentences are not framed properly and with a few spelling mistakes	No details about tools/technology, Numerous spelling errors, non-existent or incorrect punctuation, and/or severe errors in grammar that interfere with understanding.	
<b>Code Development / self-learning</b>	Design and Code is self-developed wherever applicable.	Design and Code is self-developed wherever applicable. Code snippets are partially cited	Design and Code is not partially self-developed wherever applicable	Major part of the implementation is copied.	No details about design and development	

<b>Report Format</b>	All required elements of the report are present and completed efficiently.	All required elements of the report are present and completed to a satisfactory standard.	All required elements are present but some of them are not given completely	All required elements are provided but in a haphazard way	Key elements of their port are not provided. Overall presentation of the document is not to a professional standard.	
<b>Visuals</b>	Visually pleasing and easy to read; good use of white space, colour, backgrounds; images and Graphics support.	Adequate layout, but with some fonts, colours, backgrounds difficult to read.	Good visuals but can be improved largely.	Difficult to read, cluttered appearance; images improperly sized; some distracting graphics or animations	Confusing layout, text extremely difficult to read; many graphics, sounds, animations distract from the presentation.	
<b>Total Score</b>						

## Rubrics for Seminar Assessment (20 Marks)

The student has to give a seminar based on his training report, before an expert committee

	<b>Excellent (20)</b>	<b>V. Good (16)</b>	<b>Good (12)</b>	<b>Satisfactory (8)</b>	<b>Poor (4)</b>	<b>Final Score</b>
<b>Knowledge on Industry experience /Research work</b>	Demonstrates in depth knowledge about Industry / Research processes; answered all questions with Elaboration.	Adequate knowledge on most of the industry/ Research processes. Answered all questions but failed to elaborate.	Knowledge to a limited extent on major processes. Able to answer most of the questions though not elaborate.	Superficial knowledge of topic; only able to answer basic questions.	Does not have any knowledge; Unable to answer questions.	
<b>Organization of the presentation</b>	Presented in logical sequence; introduction and background given in proper context; key points and conclusions are clear and well presented with citations and references	Most information presented in logical sequence; clear introduction; adequate background; some irrelevant information. Some References are overlooked	Organized in a presentable manner though lacks details of some of the topics. or very less references and citations.	Problems with sequencing, lacks clear transitions; incomplete or overly detailed introduction, emphasis given to less important information	Little or no organization, difficult to follow; missing or ineffective introduction; confusing background; key points unclear	
<b>Usage of Modern tools and technologies</b>	Effectively utilized appropriate tools and technologies for implementation.	Involved sufficiently in developing applications by utilizing modern tools and technologies.	Developed applications, though not very effectively. Fair enough.	Sufficient for understanding but not clearly elaborated about usage of tools and technologies.	Too brief or insufficient for understanding or too detailed	
<b>Presentation Skills</b>	Clear articulation about tools/ technology, steady delivery rate, good posture and eye contact, confident and appropriately dressed.	Clear articulation about tools/ technology but not very polished. Able to recover from minor mistakes. Appropriately dressed.	Good articulation about tools/ technology and not very polished. Not able to realize minor mistakes. Presentable attire	Refers to slides to make points, occasional eye contact, incorrect pronunciations, and Voice fluctuation.	No clarity in sentence, Inaudible or too loud, no eye contact, delivery rate is too slow or too fast, not in formal attire.	
<b>Total Score</b>						



### Rubrics for Question and Answer Session (10 Marks)

	<b>Excellent (10)</b>	<b>V. Good (8)</b>	<b>Good (6)</b>	<b>Satisfactory (4)</b>	<b>Poor (2)</b>	<b>Final Score</b>
<b>Clarity of Responses</b>	Responses are exceptionally clear and concise.	Responses are clear and easy to understand	Responses are generally clear but could be more precise	Responses lack clarity and are somewhat difficult to follow	Responses are unclear and confusing	
<b>Relevance of Responses</b>	Responses are highly relevant and directly address the questions asked	Responses are consistently relevant and on-topic	Responses are mostly relevant but include some irrelevant information	Responses often stray off-topic and lack relevance	Responses are mostly irrelevant to the questions asked	
<b>Depth of Knowledge</b>	Responses show a deep and comprehensive understanding of the subject	Responses exhibit a good understanding of the subject matter	Responses display a moderate level of knowledge and understanding	Responses show limited knowledge and understanding of the subject	Responses demonstrate a lack of understanding and knowledge	
<b>Communication Skills</b>	Communication is exceptionally clear, engaging, and well-structured	Communication is clear and engaging, with few minor issues	Communication is generally clear but lacks engagement	Communication is often unclear and disorganized	Communication is incoherent and difficult to follow	
<b>Total score</b>						

**Seminar Rubrics mapped to the following PO's**

PO/Rubrics	PO1/PO2	PO5/PO6	PO8
Knowledge of the topic	3	-	-
Organization of the presentation & Report	2	3	-
Level of Understanding	3	-	-
Presentation Skills	-	-	3

**PO1: Foundation Knowledge:** Apply knowledge of mathematics, programming logic and coding fundamentals for solution architecture and problem solving.

**PO2: Problem Analysis:** Identify, review, formulate and analyse problems for primarily focussing on customer requirements using critical thinking frameworks.

**PO5:Individual and Teamwork:** Function and communicate effectively as an individual or a team leader in diverse and multidisciplinary groups. Use methodologies such as agile.

**PO6:Project Management and Finance:** Use the principles of project management such as scheduling, work breakdown structure and be conversant with the principles of Finance for profitable project management.

**PO8:Life-long learning:** Change management skills and the ability to learn, keep up with contemporary technologies and ways of working

**Course outcomes:** At the end of the Seminar Course, students will be able to

- Demonstrate and understanding of the workplace environment, culture, and professional practices.
- Apply theoretical knowledge and skills to practical tasks in a professional setting.(Mapped with PO1 and PO4)
- Analyze problems and challenges encountered during the internship and propose solutions.(Mapped with PO2,PO5 and PO7)
- Evaluate their performance and the effectiveness of their contributions in the workplace.(Mapped with PO3 and PO6)
- Develop a project plan for a new initiative that addresses a specific need identified during their internship. (Mapped with PO5 and PO8)

**Rubrics for Internship report Assessment (out of 20 marks) =**

**Rubrics for Seminar Presentation Assessment (out of 20 marks) =**

**Rubrics for Q & A Session (out of 10 marks) =**

**Total Marks (Out of 50 marks) =**

**Note : Marks obtained out of 100 may be considered as attainment of CO1, CO2 and CO3 taken together.**

**Signature of Faculty Coordinator**

**Name:**

**Signature:**

**Signature of HOD**