**Faculty of Computing & Information Systems**

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**IT 495: SUPERVISED INDUSTRIAL ATTACHMENT**

**Attachment Logbook**

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| Full Name | Index Number |
| Ofosu Papa-Kwame | 1699959857 |

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| Week | Date | Supervisor’s Initials | Comments (on satisfaction level with weekly task assignment) |
| 1 | 12th May 2025 | M.A |  |
| 2 | 19th May 2025 | M.A |  |
| 3 | 26th May 2025 | M.A |  |
| 4 | 30th May 2025 | M.A |  |
| 5 | 7th June 2025 | M.A |  |
| 6 | 14th June 2025 | M.A |  |

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| Week No. 1 | |
| **Work done** | Implemented User Registration and Login system using secure authentication protocols.  Designed role-based access structure (RBAC) for Requestor and Mechanic roles.  Set up profile and session management features. |
| **Achievements** | Users can now log in and access only their authorized areas.  Basic user profile management and secure session control completed. |
| **Problems** | Initial issues with session timeout handling on some browsers.  Needed refinement of role restrictions for newly added roles. |
| **Proposed work for next week** | Begin development of the Repair Request form and tracking system. |

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| Week No. 2 | |
| **Work done** | Built the Repair Request submission module with form and attachment support.  Enabled basic status update system for repair progress.  Set up repair history archiving. |
| **Achievements** | Users can now submit repair requests and track progress.  Historical requests are being stored properly for future audit. |
| **Problems** | Some inconsistencies with file upload sizes.  Status change notifications delayed due to event handling bugs |
| **Proposed work for next week** | Integrate work order generation and scheduling module. |

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| Week No. 3 | |
| **Work done** | Developed work order module from repair requests.  Integrated basic calendar scheduling for repair appointments. |
| **Achievements** | Implemented user notifications for scheduled appointments.  Appointment reminders appear in the calendar system. |
| **Problems** | Occasional double booking in scheduling module.  UI adjustments needed for clarity in calendar view. |
| **Proposed work for next week** | Start phase 2: develop approval workflows and cost estimation feature. |
| Week No. 4 | |
| **Work done** | Created multi-tiered approval workflow (Service Manager > Finance).  Designed cost estimation form for repair requests.  Added audit trail functionality for change tracking. |
| **Achievements** | Approval routing works as expected.  All cost items (labor, parts, fees) are now estimable and stored. |
| **Problems** | Minor UI bugs in audit logs.  Delays in email approval notification delivery. |
| **Proposed work for next week** | Implement payment tracking and financial system integration. |

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| Week No. 5 | |
| **Work done** | Developed invoice and payment status tracking module.  Integrated basic connection with external accounting system.  Created vehicle record management module. |
| **Achievements** | Finance department can now track payments and invoices linked to repairs.  Vehicle records now hold service history and registration data. |
| **Problems** | Financial API integration has limited data syncing.  Vehicle data import process needs optimization. |
| **Proposed work for next week** | Work on inventory, vendor, and service workshop management. |

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| Week No. 6 | |
| **Work done** | Created vendor management system and linked vendors to work orders.  Developed parts inventory module with alerts for low stock.  Built out standard reports and analytics dashboard. |
| **Achievements** | Spare parts now tracked effectively to prevent delays.  System now provides performance insights (e.g., cost, turnaround time). |
| **Problems** | Custom report builder not yet flexible enough for complex queries. |
| **Proposed work for next week** | Finalize communication tools, API integrations, and admin configurations. |