

**CS6W50NT Career Development Learning (CDL) Form**

**Student**

Student Londonmet ID: 1903145

Student Name: Kushal Tamang

College E-mail ID: np05cp4a190073@iic.edu.np

Mobile No: 111111111111

Student’s work/placement address: AGI INFOTECH / Saibu Awash, Lalitpur

**Employer**

Employer Name: AGI INFOTECH

Employer's Address including department: Saibu Awash, Lalitpur / Web Development Department

Company Supervisor’s Name and Position: xyz, Senior MERN Stack Developer

Company Supervisor’s Tel No: 111111111

Company Supervisor’s email address: xyz@gmail.com

**Career Related Learning Activity**

Start Date: 19th July, 2020

End Date (if known):

Your role at the placement (position): MERN Stack Intern

Brief description of your work at the placement: I will focus on designing responsive user interfaces in React, developing robust backend solutions with Node.js and MongoDB, integrating APIs, and gaining expertise in testing, debugging, and deployment processes.

**Proposed learning outcomes from the Career-Development Learning Activity:**

| **Learning Outcome ID** | **Learning Outcomes** | **Activities and Tasks** | **Evidence** |
| --- | --- | --- | --- |
| L01 | Research Skills | I will review literature on web and mobile app development, gather data through surveys and interviews, document findings in reports, perform market analysis, and analyze IT project case studies. | I will provide a summarized literature review document, survey questionnaires, interview transcripts, data spreadsheets, technical reports with supervisor feedback, and market analysis and case study reports with presentation slides. |
| LO2 | Effective Communication | I will participate in team meetings, present project updates, write clear documentation, and engage in active listening during discussions. | I will provide meeting minutes, recorded presentations, written project updates, and feedback from team members and supervisors. |
| LO3 | Team Collaboration | I will work on group projects, participate in team brainstorming sessions, and contribute to collaborative problem-solving. | I will provide detailed project plans that outline my contributions and the collaborative efforts of the team. I will also share meeting notes highlighting key decisions and actions taken collectively. Additionally, I will gather collaborative work logs and peer evaluations that reflect teamwork effectiveness and my role within the team. |
| LO4 | Problem-Solving | I will analyze complex problems, develop innovative solutions through critical thinking, implement effective strategies during troubleshooting, and evaluate outcomes to ensure continuous improvement. | I will document problem-solving instances, including proposals, implementation results, and feedback from supervisors and team members on effectiveness of my problem-solving approaches, supported by documented metrics and improvement indicators. |
| LO5 | Time Management | I will prioritize tasks effectively, set clear deadlines for project milestones, maintain a detailed schedule for daily activities, utilize time tracking tools, and adapt my plans to meet changing project requirements. | I will provide a documented schedule outlining daily tasks and milestones achieved within specified deadlines. I will also include time logs or reports from time tracking tools, showing adherence to planned schedules and adjustments made as necessary. Feedback from supervisors or peers regarding my ability to meet deadlines and maintain productivity. |
| LO6 | Adaptability | I will demonstrate adaptability by quickly learning new technologies, adjusting to changing project requirements, taking on new roles as needed, and effectively managing unexpected challenges and uncertainties. | I will include self-assessments or reflections on how I adapted to various situations throughout the internship, showing continuous growth and adjustment. |
| LO7 | Leadership | I will lead project planning, delegate tasks, motivate team members, and foster a positive team environment. | I will provide samples of successful project leadership, documented task delegation, team feedback on my leadership impact, and reflections on my leadership development. |
| LO8 | Conflict Resolution | I will identify sources of conflict, facilitate constructive discussions, negotiate resolutions, and mediate disputes within the team. | I will provide documented instances where I successfully resolved conflicts, facilitated discussions leading to agreements, negotiated compromises, and received feedback from team members on the effectiveness of my conflict resolution strategies. |
| LO9 | Creativity and Innovation | I will generate creative ideas, propose innovative solutions, explore new approaches to problem-solving, and contribute to brainstorming sessions. | Innovative solutions proposed and implemented, documented successful brainstorming sessions, and feedback acknowledging my creative contributions. |
| LO10 | Ethical Awareness | will identify ethical issues in IT projects, uphold confidentiality and data privacy standards, adhere to ethical guidelines in decision-making, and promote a culture of integrity within the team. | I will provide instances where I identified and addressed ethical issues, maintained confidentiality and data privacy, adhered to ethical guidelines in decision-making processes, and received feedback on my commitment to ethical practices from supervisors or team members. |
| LO11 | Front-End Development | I will design and develop user interfaces using HTML, CSS, and JavaScript, ensure responsive and accessible designs, integrate frontend components with backend services, and optimize frontend performance. | I will provide examples of user interfaces designed and developed, code snippets, GitHub repos showcasing proficiency in HTML, CSS, and React, screenshots or links to web applications built, and performance metrics showing optimized frontend performance. |
| LO12 | Back-End Development | I will design and develop server-side applications using programming language Node.js, integrate databases, APIs, and other backend services, ensure scalability and security of backend systems, and troubleshoot and debug backend code. | I will provide samples of server-side applications developed, GitHub repos code samples showcasing proficiency in Node.js, database integration documentation, API usage reports, and evidence of successful troubleshooting and debugging efforts. |
| LO13 | Version Control | I will utilize version control systems such as Git, manage code repositories, collaborate with team members on code changes, track project history, and resolve merge conflicts. | I will provide a GitHub or GitLab profile showcasing contributions to repositories, documentation of branching and merging strategies used, examples of commit histories demonstrating effective collaboration, and instances where I resolved merge conflicts successfully. |
| LO14 | API Integration | I will integrate external APIs into React frontend applications and Node.js backend services, handle API requests and responses using asynchronous programming, ensure data security and validation, and optimize API performance. | I will provide samples of React frontend applications with integrated APIs, Node.js backend services showcasing API handling and data validation, documentation of API integration processes, performance metrics showing optimized API responses, and feedback from supervisors or team members on the effectiveness of my API integration implementations. |
| LO15 | Testing and debugging | I will design and implement test cases for frontend and backend functionalities, perform unit testing, integration testing, and end-to-end testing, identify and debug issues in code, and use debugging tools effectively. | I will provide documented test cases and test plans, reports on unit testing and integration testing results, examples of identified and resolved bugs, screenshots or logs from debugging sessions, and feedback on the accuracy and thoroughness of my testing processes from supervisors or team members. |
| LO16 | Deployment | I will deploy web applications using cloud platforms like AWS or Heroku, configure deployment pipelines, manage server environments, ensure application scalability and availability, and perform continuous integration and deployment (CI/CD) processes. | I will provide documentation of deployed applications on cloud platforms, configuration details of deployment pipelines, server management logs showing uptime and scalability adjustments, evidence of CI/CD pipeline usage, and feedback from supervisors or team members on the reliability and efficiency of my deployment practices. |

***This form is approved by CDL academic supervisor***

**Academic Supervisor Name: Mr. Nishesh Bishwas**

**Academic Supervisor Signature:** A black background with a black square

Description automatically generated with medium confidence

**Date of Signature: June 1, 2020**

**If you work at an external company or organization, the following “Health and Safety checklist” form must be completed before your placement can be approved.**

| **External Career-Development Learning (PLACEMENT) PROVIDER** A logo with text on it  Description automatically generated  **HEALTH AND SAFETY CHECKLIST** |
| --- |

Name of the Placement Provider (Company name): AGI INFOTECH

Placement site Supervisor: xyz

Supervisor’s Position: Senior MERN Stack Developer

Address: Saibu Awash, Lalitpur

Email: xyz@gmail.com

Telephone: 11111111

|  |  | Yes | No |
| --- | --- | --- | --- |
| 1 | Do you have a written Health & Safety policy? | Yes |  |
| 2 | Do you have a policy regarding health and safety training for people working in your undertaking, including use of vehicles, plant and equipment, and will you provide all necessary health and safety training for the student? | Yes |  |
| 3 | Is the organisation registered with? (tick as appropriate)  (a) the Health & Safety Executive or  (b) the Local Authority Environmental Health Department |  | No |
| 4 | **Insurance**  (a)Is Employer and Public Liability Insurance which will cover the duration of the placement?  (b) Employer and Public Liability Insurance policy number \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (c)Will your insurance cover any liability incurred by a placement student as a result of his/her duties as an employee? |  | No |
| 5 | **Risk Assessment**  (a)Have you carried out any risk assessment of your work practices to identify possible risks whether to your own employees or to others within your undertaking? (b)Are risk assessments kept under regular review?  (c)Are the results of risk assessment implemented? | Yes |  |
| 6 | **Accidents and Incidents**  (a)Is there a formal procedure for reporting and recording accidents and incidents in accordance with RIDDOR (Reporting of Injuries, Disease & Dangerous Occurrence Regulations)?  (b)Have you procedures to be followed in the event of serious and imminent danger to people at work in your undertaking?  (c)Will you report to the university all recorded accidents involving placement students? (d)Will you report to the university any sickness involving placement students which may be attributable to the work. | Yes |  |

The above statements are true to the best of my knowledge and belief.

Signed on behalf of the company with the company stamp:

Name: AGI INFOTECH

Signature:

Date: