**Workshop Plan : ICS**

**Workshop Overview**

**Workshop Name:**

**Organizer:** UIU CCL

**Duration:** 4 Days (1 week Before MID & FINAL)

**Target Audience:** CSE Background Students

**Trainer:** CCL Mentor

**Place:** Computer Lab(Offline)

**Workshop Goals**

To effectively support a student's academic progress and extracurricular engagement, it is essential to provide structured guidance, targeted resources, and motivation. This approach fosters both learning and skill development, empowering the student to achieve their academic and personal objectives.

**Day 1: Introduction to C Programming Basics**

**Instructor:** CCL Mentors

**Workshop Objectives:**

- Provide participants with a foundational understanding of the C programming language.

- Introduce key concepts and syntax in C.

- Prepare participants for more advanced topics in the following workshop days.

**Agenda:**

\*\*C Basic

\*\*Variable and Constant

\*\*Data Type

\*\*Input/Output

\*\*Operators

**Activities:**

- Lecture sessions with interactive coding examples.

- Hands-on exercises and coding challenges.

- Q&A sessions for participant engagement

**Day 2**

**Agenda:**

\*\*Recap of Day 1

\*\*Conditions

\*\*Switch Case

\*\*Problem Solving(condition related)

**Day 3**

**Agenda:**

\*\*Conditions(nested)

\*\*Switch Case

\*\*Problem Solving(condition related)

**Day 4**

**Agenda:**

\*\*LOOP(Break & Continue)

\*\*Problem Solving(LOOP related)

**Materials Needed:**

- Lab Room / Notify participants to bring laptop

- Projector and screen

- Whiteboard and markers

- Laptops or computers for participants (if required)

- Printed handouts with code examples and exercises

- C compiler installed on participants' machines (if applicable)

**We will present certificates to our mentors, endorsed with the signature of our moderator, as a formal recognition of their contribution.**