GRADUATE CERTIFICATE: Intelligent Reasoning Systems (IRS)
PRACTICE MODULE: Project Proposal

Date of proposal:

May 2022

Project Title:

ISS Project – Smart Rostering scheduling

Sponsor/Client: *(Name, Address, Telephone No. and Contact Name)*

Group Security System Certis International,
Contact : Mr. Stalin Herold, Senior Manager, Operation Deployment & Solutioning
Telephone No.: +974 6623 4810
Email: stanlin_herold@certisgroup.com

Background/Aims/Objectives:

The proposed intelligent eco-system will make use of various advanced machine reasoning techniques and components to foster generic intelligent system adoption and agile implementation for business.

Requirements Overview:

- Research ability
- Programming ability
- System integration ability

Resource Requirements (please list Hardware, Software and any other resources)

- Reasoning systems
- Machine learning
- Deep learning tools
-

Number of Learner Interns required: (Please specify their tasks if possible)

A team of four project members

Methods and Standards:

Procedures	Objective	Key Activities
Requirement Gathering and Analysis	The team should meet with GSSCI to scope the details of project and ensure the achievement of business objectives.	1. Gather & Analyze Requirements 2. Define internal and External Design

		3. Prioritize & Consolidate Requirements 4. Establish Functional Baseline
Technical Construction	· To develop the source code in accordance to the design. · To perform unit testing to ensure the quality before the components are integrated as a whole project	1. Setup Development Environment 2. Understand the System Context, Design 3. Perform Coding 4. Conduct Unit Testing
Integration Testing and acceptance testing	To ensure interface compatibility and confirm that the integrated system hardware and system software meets requirements and is ready for acceptance testing.	1. Prepare System Test Specifications 2. Prepare for Test Execution 3. Conduct System Integration Testing 4. Evaluate Testing 5. Establish Product Baseline
Acceptance Testing	To obtain GSSCI user acceptance that the system meets the requirements.	1. Plan for Acceptance Testing 2. Conduct Training for Acceptance Testing 3. Prepare for Acceptance Test Execution 4. GSSCI Evaluate Testing 5. Obtain Customer Acceptance Sign-off
Delivery	To deploy the system into production (GSSCI standalone server) environment.	1. Software must be packed by following ISS's standard 2. Deployment guidelines must be provided in GSSCI production (GSSCI standalone server) format 3. Production (ISS standalone server) support and troubleshooting process must be defined.

Team Formation & Registration

Team Name: Work Scheduler
Project Title (repeated): Smart Rostering scheduling
System Name (if decided):
Team Member 1 Name: Chen Wenqi Jeremy
Team Member 1 Matriculation Number:
Team Member 1 Contact (Mobile/Email): jeremy.chenwenqi@gmail.com
Team Member 2 Name: Muhammed Zahed Zulkeplee
Team Member 2 Matriculation Number:
Team Member 2 Contact (Mobile/Email): zahed_zulkeplee@certisgroup.com
Team Member 3 Name: Mohammed Shijas
Team Member 3 Matriculation Number:
Team Member 3 Contact (Mobile/Email): shijas942@gmail.com

Team Member 4 Name: Muazzam Firfiray
Team Member 4 Matriculation Number:
Team Member 4 Contact (Mobile/Email): muazim@msn.com

For ISS Use Only		
Programme Name:	**Project No:**	**Learner Batch:**
Accepted/Rejected/KIV:		
Learners Assigned:		
Advisor Assigned: Contact: Mr. GU ZHAN / Lecturer & Consultant Telephone No.: 65-6516 8021 Email: zhan.gu@nus.edu.sg		