



**SOUTH EASTERN UNIVERSITY OF SRI LANKA**  
**UNIVERSITY BUSINESS LINKAGE CELL**  
**SCHEDULE OF SUBMISSION**

**Recruitment of Full Stack Freelance Developer (FSFD) for the Research Project AI-Enabled Systems and Methods for Retail Sector**

The research team has identified the following tasks for the FSFD. Quote the amount for each task. Please note that the principal investigator holds the final right to accept the software code or request a reimplementation of the same function due to the research nature. Therefore, a flexible arrangement such as an hourly or daily rate may be mutually beneficial.

Task	Amount (LKR)	Comments (If any)
Meetings for the understanding of problem and requirement gathering. The research team has already identified the architecture to be implemented for the application. FSFD my proposed alternatives		
Explore different methods for storing data and identify a suitable method for performance constrained client devices		
Explore different methods for storing image data and identify a suitable method for performance constrained client device		
Implement methods for storing data and images in the resource-constrained device		
Explore data synchronization methods for the client-server environment and identify a reliable mechanism to synchronize data between client devices and server		

Explore fast and reliable search techniques for a list of data items for data used in the retail sector		
Implement an identified search technique for client devices		
Implement filtering and sorting functionalities for the list of items in the client device		
Implement dynamic UI update/refresh functionalities when the underlying data changes		
Explore various OCR processing technologies and tools and identify an OCR processing technique suitable for the problem at hand		
Implement identified OCR processing method for OCR processing backend server		
Develop a business workflow for OCR processing of invoices and connect the implemented OCR processing method to the workflow		
Assist the research team to implement improvements to existing OCR techniques and conduct experiments with a sample dataset		
Implement the server endpoints for connecting client devices to the backend server		
Implement connectivity to the backend server in client devices		
One time login feature for Client login to the server		
Multi-tenancy support		
Explore techniques to implement human in the loop processing of OCR documents		
Develop tools required for the human in the loop OCR processing of invoices		

Assist the research team to conduct usability experiments using the developed product or service		
Modify the product and the services based on the results of usability experiments		
Implement basic business reporting functionality for the client device		
Test automation of server and client		
Total		

**Note:**

- You may use a separate sheet if the above-provided space is not sufficient.
- Please attach your **detailed curriculum vitae** along with the schedule of submission.
- All documents should be duly filled, signed, and up to date.

Signature: .....

Date: .....