RIPHAH INTERNATIONAL UNIVERSITY

Faculty of Computing
FINAL YEAR PROJECT PROPOSAL & PLAN

SkillLink

Project Team

Full Name of Student	SAP Id	Program	Contact Number	Email Address
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MR. Nadeem Kham
([Designation])

SkillLink

Change Record

Author(s)	Version	Date	Notes	Supervisor's Signature
Sana Ullah	1.0	15-3-2025	Original Draft	
			Changes Based on Feedback From Supervisor	
			Changes Based on Feedback From Faculty	
			Added Project Plan	
			Changes Based on Feedback From Supervisor	

Project Proposal

Project Title: SkillLink

Opportunity & Stakeholders:

Opportunity

- It can be hard to find good plumbers or electricians when you really need them.

- Looking for skilled workers takes a lot of time and can be a hassle**.**

- Emergency situations require immediate assistance, highlighting the importance of having trustworthy professionals readily available.

Stakeholders:

- Customers/Users

- Skilled Workers

- App Administrators

Existing System/ Description of the Current Situation:

App Name	Plumber/ electrician	Fixed rate	biding	Fixed location	Real time location	Cha
Hazir App	√	√	×	√	×	×
Karsaaz App	√	√	×	√	×	×
Mahir Company	√	√	×	√	×	×
The handy Man	√	√	×	√	×	×

Right now, people in Pakistan find skilled workers (like electricians, plumbers, and masons) in **traditional ways**, which have many problems.

How People Find Workers Now:

- **Asking Friends & Neighbors** – Most people ask for recommendations, but this takes time and doesn't always work.
- **Visiting Local Markets** – People go to nearby workshops to find workers, but availability is not guaranteed.
- **Social Media & Ads** – Some workers post on Facebook, WhatsApp groups, or OLX, but there is no way to verify their skills or honesty.

Problem Statement:

Problem	Finding workers quickly is a challenge.
Affect	Workers Customers
Result of Which	Time-consuming Unclear pricing
Benefits	Easy matching of workers and customers through location. Find Rated & Reviewed Workers for Services.

Problem	Many workers struggle to find consistent jobs.
Affect	Workers Customers
Result of Which	Workers remain unemployed. Customers have fewer worker options.
Benefits	More job opportunities for skilled workers. Customers get a wider range of service providers.

Problem	Customers have no single trusted platform. to find skilled workers easily.
Affect	Workers Customers
Result of Which	Customers rely on word-of-mouth referrals. Workers struggle to get consistent work.
Benefits	A dedicated app for easy worker-customer matching. Increased visibility for skilled laborers.

Proposed Solution:

- We are creating an Mobile app called SkillLink to help people find skilled workers like plumbers, electricians, and house cleaners quickly and easily.

- The app will show available workers nearby using real-time location mapping, so users can find help fast.

- Customer can see worker profiles, check ratings, and book services directly through the app with clear and fair pricing.

- Our app will ensure safety and trust by verifying workers and allowing customer to share feedback and reviews

- With features like emergency services and easy booking for regular tasks, SkillLink will make finding skilled help hassle-free for everyone.

Scope of the Project:

SkillLink App is designed to make finding and booking local skilled workers quick and hassle-free. The app will connect users with trusted professionals for services like plumbing, electrical work, cleaning, and more, with real-time booking and transparent pricing.

Quick Booking:

Real-Time Location:

Fair Pricing:

Ratings & Reviews:

Emergency Services:

In-App Chat:

List of Faculty Proposed Changes
Project Title

Supervisor's Signature: _____

Proposed Change	Proposed By	Supervisor's Decision
	Name of Faculty Member(s) who proposed this change	Approved/Disapproved and/or Comments
• Which formula will your system use to calculate the bidding price. • If a worker completes the job but there are still some issues left. how will you resolve them. • If someone makes a request from a distant location and another person makes a request from a nearby location, will their price remain the same or not.	Mr. Mubariz	
• Idea is good but your scope is not clearly identify. In an emergency, will the price for the worker you call be the same or not, and how will you set it.	Mr.Shabbir Hassan	
• Problem is not clear. • How you Assess worker Skill? • Paymat Process? • fair calculation? Algo? • worker price calculation, • Worker Allocation? • Problem Statements does't match the gap find in Literature Review.	Mr. Muhammad Usman Karim	

Project Plan

Work Breakdown Structure: A work breakdown structure (WBS) is deliverable based decomposition of project scope. The WBS includes 100% of the work defined by the project scope and captures all deliverables – internal, external, interim – in terms of the work to be completed, including project management.

Team

1. Sana ullah
2. Hammad Javaid

Roles & Responsibility Matrix:

The purpose of roles & responsibility matrix is to identify who will do what.

WBS #	WBS Deliverable	Activity #	Activity to Complete the Deliverable	Duration (# of Days)	Responsible Team Member(s) & Role(s)
1	Requirement Gathering and Elicitation	2.2	Surveys of skill literature/ Market Survey	3	Sana Ullah Hammad Javed
2	Final Document Introduction	2.1	Brainstorming and Meeting discussion Proposal	7	Hammad Javed Sana Ullah
3	Requirement Analysis	2.3	Discussion with supervisor Scope Improvement	3	Hammad Javed SanaUllah
4	Requirement Analysis	2.3	Soft vs Hard Constraints	1	Hammad Javed Sana Ullah
5	System Design	2.4	Fully Dressed Use Cases	15	Hammad Javed
6	Syesystem Design	2.4	Architecture Diagram	20	Hammad Javed

7	System Design	2.4	Activity Diagram	14	Hammad Javed
8	System Design	2.4	UI	20	Sana Ullah
9	System Design	2.4	Database Design	18	Sana Ullah
10	System Design	2.4	Research	15	Hammad JAved
11	Implementation	2.4	Frontend UI Implementation	20	Sana Ullah
12	Implementation	2.4	Back end Implementation	20	Sana Ullah
13	Implementation		Database Implementation	20	Sana Ullah

14	Implementation	2.4	Frameworks	20	Sana Ullah
15	Implementation	2.5	Software Architecture, Learning courses	4 months	Hammad Javed Sana Ullah
16	Testing	2.6	Test Case Scenarios	20	Hammad AJved

Approval

Project Supervisor

Comments_____

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Name:_____

Date:_____   **Signature:**_____

Project Coordinator

Comments_____

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Name:_____

Date:_____   **Signature:**_____