



MARATHWADA MITRA MANDAL'S

**COLLEGE OF ENGINEERING**

An Autonomous Institute | Approved by AICTE New Delhi  
Recognised by Directorate of Technical Education Mumbai  
Affiliated to Savitribai Phule Pune University

- NAAC Accredited with A++ Grade
- NBA Accredited
- 'Best College Award 2019' by SPPU



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**COLLEGE OF ENGINEERING**

Karvenagar, PUNE – 411 052

*Accredited with "A++" Grade by NAAC // Accredited by NBA (Mechanical Engg. & Electrical Engg.)*

*Recipient of "Best College Award 2019" by SPPU // Recognized under section 2(f) and 12B of UGC Act 1956*

**DEPARTMENT OF INFORMATION TECHNOLOGY**

**ACTIVITY BOOK**

**SY B.Tech**

**(INFORMATION TECHNOLOGY)**

**(Semester III)**

**Community Centered Project**

**Course Code: IT24CEP208**

**Prepared By**

**Ms. Sayali Joshi / Ms. Shreeya Palkar**



## Activity Work Book

Course Code:

**Group ID/No: IT1-A15**

Sr.	Name of the student	Phone No
1	Atharva Pardeshi	+91-8080668276
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Project Title: Skillbridge – “To connect Local Minds To Local Needs”

Project Mentor : **Mrs. Suchitra Sonwane**

## General Instruction

1. All students must enter the correct information in the activity book.
2. All the entries in the activity book must be verified by the concerned mentor
3. Students must report to their respective mentor on time as per the time table.
4. Activities of the project work should be completed as per the project plan only.
5. Activity work book must be brought at the time of Project Reviews & Project Examination.
6. For any query, a concerned mentor should be consulted.

### REPORTS TO BE FILLED BY STUDENTS

<b>Group ID:</b>	A-15
<b>Week No.</b>	1
<b>From- to Date:</b>	
<b>Task Planned:</b>	→ Form our project group . → Decide meeting. → Discussing about domains related to social services
<b>Task Completed:</b>	→ Project group formed with 3 members . → Communication channels established: WhatsApp group and Google Drive folder. → First meeting conducted to discuss project ideas and expectations
<b>Challenges Faced:</b>	→ Finding Group members with similar domain
<b>Remark from Mentor:</b>	→ Gathering project members and prioritizing their role in the Respective Project
<b>Next week plan:</b>	→ Deciding project title and topic
<b>Student Signs:</b>	
<b>Mentor Sign:</b>	

<b>Group ID:</b>	A-15
<b>Week No.</b>	2
<b>From- to Date:</b>	
<b>Task Planned:</b>	<ul style="list-style-type: none"> <li>→ Finalize the project title.</li> <li>→ Research on similar apps like Fiverr, UrbanClap, and JustDial.</li> <li>→ Prepare a rough problem statement..</li> </ul>
<b>Task Completed:</b>	<ul style="list-style-type: none"> <li>→ Project Topic Finalized: " To connect Local Minds To Local Needs ."</li> <li>→ Identified and shortlisted 5 relevant research papers on topics like:</li> <li>→ Project finalized as “SkillBridge – Connecting Local Talent to Local Needs.”</li> <li>→ Studied how other job platforms work.</li> <li>→ Drafted the initial version of the problem statement.</li> <li>Mobile Applications for Small Businesses</li> <li>→ Organized all findings in shared team repository.</li> </ul>
<b>Challenges Faced:</b>	<ul style="list-style-type: none"> <li>→ Initial disagreement on whether to build a mobile app or a web-based system. make first and second point in simple language</li> <li>→ Narrowing a very broad project idea was challenging.</li> </ul>
<b>Remark from Mentor:</b>	
<b>Next week plan:</b>	<ul style="list-style-type: none"> <li>→ Deep dive into research papers and competitor analysis.</li> <li>→ Finalize the platform (Mobile App) and project name.</li> <li>→ Start listing core features and requirements.</li> </ul>
<b>Student Signs:</b>	
<b>Mentor Sign:</b>	

<b>Group ID:</b>	A-15
<b>Week No.</b>	3
<b>From- to Date:</b>	
<b>Task Planned:</b>	<p>→ Searching for research papers related to topic</p> <p>→ Decide whether to develop a mobile application or a web-based system.</p> <p>→ Brainstorm and select a specific name for the project</p>
<b>Task Completed:</b>	<p>→ Finding a topic that connects technology with real community impact. Summarized insights from five research papers.</p> <p>→ Created initial functional and non-functional requirements.</p> <p>→ Organized all findings in shared team repository.</p>
<b>Challenges Faced:</b>	<p>→ Finding a topic that connects technology with real community impact..</p> <p>→ Too much online information made it hard to focus.</p> <p>→ It was tough to agree on a good name for the project.</p>
<b>Remark from Mentor:</b>	
<b>Next week plan:</b>	<p>→ Conduct field visit to understand current practices of</p> <p>→ How People deal with their day-to-day work, on-construction sites</p> <p>→ Or plumbing, electricians etc.</p>
<b>Student Signs:</b>	
<b>Mentor Sign:</b>	



<b>Group ID:</b>	A-15
<b>Week No.</b>	4
<b>From- to Date:</b>	
<b>Task Planned:</b>	→ Conduct field visit to understand current/prime locations of → Construction sites,plumbing,electricians at working sites or MSEDCL → Collect inputs from local Workers
<b>Task Completed:</b>	→ Met 2 local workers and discussed their challenges with physical work → Collected feedback from 5 workers about thier issues → With payments or daily wages → Organized all findings in shared team repository
<b>Challenges Faced:</b>	→ Limited availability of workers due to their busy schedule
<b>Remark from Mentor:</b>	
<b>Next week plan:</b>	→ Continue field visit and gather more data from different areas such as sites , buildings, home towns etc..
<b>Student Signs:</b>	
<b>Mentor Sign:</b>	

<b>Group ID:</b>	A-15
<b>Week No.</b>	5
<b>From- to Date:</b>	
<b>Task Planned:</b>	<p>→ Continue the field visit for our project (as planned in the activity book)</p> <p>→ Document real-world problems faced in skilled workers</p> <p>→ Design UML diagrams – Use Case, Class, Sequence, and Activity</p>
<b>Task Completed:</b>	<p>→ Completed UML diagrams using online tools like Draw.io.</p> <p>→ Mapped relations between worker, job post, and admin modules. Documented pain points like delayed payments, missing records, and manual effort</p> <p>→ Organized all findings in shared team repository</p>
<b>Challenges Faced:</b>	<p>→ Understanding relationships between multiple entities (user-job mapping).</p>
<b>Remark from Mentor:</b>	
<b>Next week plan:</b>	<p>→ Confirm the New project name, group details, and finalize the problem statement.</p>
<b>Student Signs:</b>	
<b>Mentor Sign:</b>	



<b>Group ID:</b>	A-15
<b>Week No.</b>	6
<b>From- to Date:</b>	
<b>Task Planned:</b>	<p>→ Confirm our project name, group, and problem statement and SRS information gathering.</p> <p>→ Created SRS draft with functional and non-functional requirements.</p> <p>→ Defined use cases for worker registration, job posting, and application tracking</p>
<b>Task Completed:</b>	<p>→ Finalized project name as "SkillBridge – Connecting Local Talent to Local Needs".</p> <p>→ Confirmed team roles and responsibilities</p> <p>→ Updated problem statement to include notification feature based on field visit insights</p> <p>→ Prepared final project documentation draft</p> <p>→ Organized all findings in shared team repository</p>
<b>Challenges Faced:</b>	<p>→ Understanding relationships between multiple entities (user-job mapping).</p> <p>→ Ensuring notification system aligns with respected Worker at that time and technical capabilities and skills.</p>
<b>Remark from Mentor:</b>	
<b>Next week plan:</b>	<p>→ Begin SRS documentation with updated problem statement</p> <p>→ Design notification workflow and user interface mockups</p> <p>→ Research push notification implementation options</p>
<b>Student Signs:</b>	
<b>Mentor Sign:</b>	

<b>Group ID:</b>	A-15
<b>Week No.</b>	7
<b>From- to Date:</b>	
<b>Task Planned:</b>	SRS document making...
<b>Task Completed:</b>	<ul style="list-style-type: none"> <li>→ Completed SRS document with all functional and nonfunctional requirements</li> <li>→ Included notification system specifications based on field research</li> <li>→ Finalized use case diagrams and system architecture</li> <li>→ Prepared detailed feature specifications and constraints</li> <li>→ Organized all findings in shared team repository</li> </ul>
<b>Challenges Faced:</b>	<ul style="list-style-type: none"> <li>→ Ensuring all field visit findings were accurately translated into requirements</li> <li>→ Balancing comprehensive documentation with maintainability</li> <li>→ Defining precise technical specifications for notification delivery system</li> <li>→ Coordinating team input on different SRS section</li> </ul>
<b>Remark from Mentor:</b>	
<b>Next week plan:</b>	<ul style="list-style-type: none"> <li>→ Begin system design and database schema creation</li> <li>→ Develop UI/UX wireframes for key interfaces</li> <li>→ Plan development sprint timelines and task all</li> </ul>
<b>Student Signs:</b>	
<b>Mentor Sign:</b>	

<b>Group ID:</b>	A-15
<b>Week No.</b>	8
<b>From- to Date:</b>	
<b>Task Planned:</b>	→ Making of all the UML diagrams related to topic .
<b>Task Completed:</b>	→ Made all four UML diagrams using online softwares
<b>Challenges Faced:</b>	→ Finding the proper softwares → In using tools for diagram making → Making all the data of the project in bird eye view format
<b>Remark from Mentor:</b>	
<b>Next week plan:</b>	→ Frontend developing
<b>Student Signs:</b>	
<b>Mentor Sign:</b>	

<b>Group ID:</b>	A-15
<b>Week No.</b>	9
<b>From- to Date:</b>	
<b>Task Planned:</b>	<ul style="list-style-type: none"> <li>→ Creating all the frontend of the Project</li> <li>→ Create wireframes and plan UI screens.</li> <li>→ Select color palette and design consistency.</li> </ul>
<b>Task Completed:</b>	<p>Making of front end of the project Created wireframes for login, signup, dashboard, and job post screens.</p> <ul style="list-style-type: none"> <li>→ Finalized color theme using Tailwind CSS shades (puple and white)</li> </ul>
<b>Challenges Faced:</b>	<ul style="list-style-type: none"> <li>→ Added JS validation for login/signup.</li> <li>→ Connected pages smoothly through navigation bar.</li> <li>→ Minor issues in local Storage data handling.</li> </ul>
<b>Remark from Mentor:</b>	
<b>Next week plan:</b>	→ Developing frontend
<b>Student Signs:</b>	
<b>Mentor Sign:</b>	

<b>Group ID:</b>	A-15
<b>Week No.</b>	10
<b>From- to Date:</b>	
<b>Task Planned:</b>	→ Developing Frontend
<b>Task Completed:</b>	→ Frontend completed almost
<b>Challenges Faced:</b>	→ Managing multiple HTML pages and linking them correctly. → Some issues with environment setup and dependencies
<b>Remark from Mentor:</b>	
<b>Next week plan:</b>	→ Creating Backend
<b>Student Signs:</b>	
<b>Mentor Sign:</b>	

<b>Group ID:</b>	A-15
<b>Week No.</b>	11
<b>From- to Date:</b>	
<b>Task Planned:</b>	<ul style="list-style-type: none"> <li>→ Creating Backend</li> <li>→ Initialize backend using Node.js and Express.</li> <li>→ Connect MongoDB database.</li> </ul>
<b>Task Completed:</b>	<ul style="list-style-type: none"> <li>→ Backend in progress</li> <li>→ Setup backend routes for login and job posting.</li> <li>→ Connected database successfully.</li> </ul>
<b>Challenges Faced:</b>	<ul style="list-style-type: none"> <li>→ Some issues with environment setup and dependencies</li> <li>→ Minor issues in local Storage data handling.</li> </ul>
<b>Remark from Mentor:</b>	
<b>Next week plan:</b>	→ Finalizing all the tasks
<b>Student Signs:</b>	
<b>Mentor Sign:</b>	



<b>Group ID:</b>	A-15
<b>Week No.</b>	12
<b>From- to Date:</b>	
<b>Task Planned:</b>	→ Finalizing all the tasks 1) Remaining Forntend 2) Remaining Backe ends 3) Assigning database 4) ppt and other work
<b>Task Completed:</b>	→ Project almost done
<b>Challenges Faced:</b>	1)There were so many small small errors 2)so many times improved the code → Minor issues in local Storage data handling.
<b>Remark from Mentor:</b>	
<b>Next week plan:</b>	→Completing Activity book and Final Review PPT of Project
<b>Student Signs:</b>	
<b>Mentor Sign:</b>	

## Milestone Review Record

(To be filled at key stages)

Milestone	Date	Progress Summary	Issues Identified	Faculty Feedback	Action Taken
Proposal Approval	13.08.2025	Decided Topic And Problem to solve	Topic was not much accurate		
Prototype/ MVP	16.09.2025	Rough idea was ready Field visit done SRS was complete	There was need to do some small changes in srs after field visit		
Mid-Sem Review	30.09.2025	Half Backend & Frontend Developing done	Problems in applying all the features in SRS Into app		
Final Review	4.11.2025	Codes Complete Project ready to present	Take lot of time in identifying and solving Small errors		

## Final Reflection (To be completed by students at the end)

1.	<p><b>What was the main problem addressed?</b></p> <p>Many skilled workers struggle to find local job opportunities, while clients find it hard to locate reliable service providers. SkillBridge solves this by creating a digital bridge between local talent and people who need services..</p>
2.	<p><b>Which sustainability goal(s) did the project contribute to?</b></p> <p>It supports <i>Decent Work and Economic Growth (SDG 8)</i> and <i>Industry, Innovation, and Infrastructure (SDG 9)</i> by promoting employment and digital inclusion for skilled workers..</p>
3.	<p><b>What was the biggest learning during the project?</b></p> <p>Learning how to integrate frontend with backend using Node.js and managing database connections. The team also improved in teamwork and real-world project planning.</p>
4.	<p><b>How did the community benefit from this project?</b></p> <p>The community benefited through easier subscription management and transparent billing for workers. Distributors saved time by automating their work and improving communication with workers, which made the service more reliable and efficient.</p> <p>Local workers gain visibility and regular job opportunities. Clients save time by finding verified skilled people nearby — making both sides benefit through one digital platform.</p>
5.	<p><b>What improvements or future scope can be added?</b></p> <p>Adding in-app chat, rating system, payment integration, and GPS-based worker search to make SkillBridge a complete local hiring solution</p>



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