

## MAJOR / MINOR PROJECT ABSTRACT [Form - 1] (YEAR - 20\_\_\_)

NAME OF LAB COORDINATOR: MRS. ANJANA SANGHWA

TITLE OF PROJECT: MY SHOP

PROJECT TRACK: (Tick the appropriate one / ones)

1. R&D (Innovation)	2. CONSULTANCY (Fetched from Industry)	3. STARTUP (Self-Business Initiative)	4. PROJECT POOL (From IBM / INFOSYS)	5. HARDWARE / EMBEDDED
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### BRIEF INTRODUCTION OF PROJECT:

It is an E-commerce application that can be used to buy & sell products online through a mobile phone.

### TOOLS / TECHNOLOGIES TO BE USED:

NAME OF TOOL / TECHNOLOGY	VERSION	SOFTWARE / HARDWARE	PURPOSE OF USE
Flutter	1.12.13	Software	Toolkit used for frontend
Dart	2.10.4	Software	Programming lang used for Dev
Firebase	--	-	Backend

### PROPOSED PROJECT MODULES:

NAME OF MODULE	PROPOSED FUNCTIONALITY IN PROJECT
Product	To view the product for buying & selling
Order	To view the order placed -
Auth	To authenticate the user .

### TEAM MEMBER DETAILS:

STUDENT NAME	CLASS & GROUP	MOBILE No.	EXPERTISE AREA	ROLE IN PROJECT
Nayan Ag.	CS-B (G2)	8302454585	Frontend	Product, Order
Prachi Jain	CS-B (G2)	9983710283	Backend	Auth, Database

**NOTE:** 1. This form is to be submitted by a team of maximum 4 students in the starting of semester to lab coordinator.  
 2. Students must keep a Xerox copy of this form as reference for project work and attach it to final report.

## ROLE SPECIFICATION OF TEAM MEMBERS [Form - 2]

MEMBER 1 <u>Nayan Agrawal</u>		HANDLING MODULE <u>Product Order</u>	
NAME OF ACTIVITY	SOFT DEADLINE DATE	HARD DEADLINE DATE	DETAILS OF ACTIVITY (STORY)
Designing the Frontend	10/10/2020	15/10/2020	Designing the Part which user would see & interact with.
Connecting Backend with Frontend	10/11/2020	13/11/2020	Connecting the Part with with the Frontend.
MEMBER 2 <u>Prahlit Jain</u>		HANDLING MODULE <u>Auth.</u>	
NAME OF ACTIVITY	SOFT DEADLINE DATE	HARD DEADLINE DATE	DETAILS OF ACTIVITY (STORY)
Handling Database	20/10/2020	25/10/2020	Designing the DataBase to store the Product & Order.
Handling Authentication	30/10/2020	5/11/2020	Florian Declaration to ensure Authentication.
MEMBER 3 _____		HANDLING MODULE _____	
NAME OF ACTIVITY	SOFT DEADLINE DATE	HARD DEADLINE DATE	DETAILS OF ACTIVITY (STORY)
MEMBER 4 _____		HANDLING MODULE _____	
NAME OF ACTIVITY	SOFT DEADLINE DATE	HARD DEADLINE DATE	DETAILS OF ACTIVITY (STORY)

**MENTOR'S NAME & SIGNATURE** Mrs. Kajal Mathur

- NOTE:** 1. This form is to be submitted by a team of maximum 4 students in the starting of semester to lab coordinator.  
 2. Every member student must keep a Xerox copy of this form as reference for his / her part in project work.  
 3. Students must provide the detailed list of planned activities along with their completion deadline dates.  
 4. The lab coordinator will check the weekly progress of student against the information provided in this form.

## PROJECT WEEKLY STATUS MATRIX (FOR LAB COORDINATORS) [Form-3A]

NAME OF STUDENT - 1		Nayan Agrawal		
NAME OF PROJECT		My Shop		
OTHER TEAM MEMBERS		2. Prachi Jain	3.	4.
WEEK (TO-FROM)	WORKING ON MODULE	PROGRESS ACHIEVED	COMMENTS	MARKS (X / 10)
0 - 3	Product	Frontend complete		
3 - 6	Order	Frontend complete		
6 - 10	Integration	Connected with FireBase (Backend)		
TOTAL WEEKS	MODULE COMPLETED (YES / NO)	OVERALL PROGRESS (POOR / AVG / GOOD)	OVERALL COMMENT (POOR / AVG / GOOD)	PERCENTAGE MARKS ESTIMATE
10	Yes			
<b>LAB COORDINATOR's REMARKS</b>				

- NOTE:** 1. This form is to be maintained in a file by lab coordinators for student - 1 of the team to track his / her progress.  
 2. Lab coordinators must cross check and evaluate the PROGRESS ACHIEVED + it's DOCUMENTATION by student against the work done by student and note their own comments about student's performance.  
 3. The lab coordinator must evaluate student's work for every lab from a score of 10 points.  
 4. The lab coordinator must compute average of these points at the end of semester to draw an estimate of the PERCENT MARKS to be awarded to the student for his / her performance.  
 5. The lab coordinator must IMMEDIATELY CONTACT MENTOR FACULTY of student in case of POOR PERFORMANCE or 2 CONTINUOUS ABSENCE from lab.  
 6. In case of absence, 00 / 10 MARKS will be awarded if the mentioned work is not presented in next lab by student.

**PROJECT WEEKLY STATUS MATRIX (FOR LAB COORDINATORS) [Form-3B]**

**NOTE:** 1. This form is to be maintained in a file by lab coordinators for student – 2 of the team to track his / her progress.  
2. Lab coordinators must cross check and evaluate the PROGRESS ACHIEVED + it's DOCUMENTATION by student against the work done by student and note their own comments about student's performance.  
3. The lab coordinator must evaluate student's work for every lab from a score of 10 points.  
4. The lab coordinator must compute average of these points at the end of semester to draw an estimate of the PERCENT MARKS to be awarded to the student for his / her performance.  
5. The lab coordinator must IMMEDIATELY CONTACT MENTOR FACULTY of student in case of POOR PERFORMANCE or 2 CONTINUOUS ABSENCE from lab.  
6. In case of absence, 00 / 10 MARKS will be awarded if the mentioned work is not presented in next lab by student.

## MAJOR / MINOR PROJECT TRACK BIFURCATION GUIDELINES

The projects to be undertaken in MINOR and MAJOR project schemes are expected to belong to one or more tracks suggested ahead. These project tracks have been structured as follows:

TRACK	TRACK DETAILS	SAMPLE PROJECT TYPES
<b>RESEARCH &amp; DEVELOPMENT PROJECTS</b> (Innovation)	<ul style="list-style-type: none"> <li>1. Projects involving proposal of any INNOVATIVE ELEMENT (theorem, formula, algorithm, procedure, design etc.) will be considered under this track.</li>   <li>2. A detailed and well published work, i.e. research paper in a journal / conference, (preferably in SKIT research journal or NCETCE conference) will be expected at the end of such 7<sup>th</sup> semester.</li> </ul>	<ul style="list-style-type: none"> <li>1. Cloud based applications involving a resource managing / scheduling algorithm.</li> <li>2. Big data applications for reporting or prediction of results</li> <li>3. Machine learning application for summarizing / scanning data values.</li> </ul>
<b>CONSULTANCY PROJECTS</b> (Fetched from Industry by FACULTY OR STUDENTS)	<ul style="list-style-type: none"> <li>1. Projects achieved from industrial / commercial organizations to be developed as a solution of their problem / requirement will be considered as consultancy projects.</li>   <li>2. Only project proposals accompanied by well documented consultancy agreement by such industrial / commercial organizations carrying their authorized signatures and seal will be considered under this track.</li>   <li>3. Any kind of financial payment / remuneration / honorarium drawn from the client organization by the team members must be placed in knowledge of concerned project mentor, lab coordinator and HOD.</li> </ul>	<ul style="list-style-type: none"> <li>1. Contract for developing Android app for a business organization</li> <li>2. Contract for developing a web based ERP solution for an organization</li> <li>3. Contract for developing an automation unit (hardware &amp; software) for a manufacturing plant.</li> <li>4. Contract for developing a scheduling software for a mechanical / electrical setup.</li> </ul>
<b>STARTUP PROJECTS</b> (Self-Business Initiative)	<ul style="list-style-type: none"> <li>1. Projects involving solutions (software / hardware / web application / mobile app etc.) for a proposed business startup will be considered as startup projects.</li>   <li>2. Only project proposals accompanied by well documented business plan certified by an expert (academic / industrial / commercial person or organization) will be considered under this track.</li>   <li>3. Any kind of financial information required / planned for setup must be placed in knowledge of concerned project mentor, lab coordinator and HOD.</li> </ul>	<ul style="list-style-type: none"> <li>1. Developing an Android app for a chain of dealers joining a common business domain (Grofers, Flipkart)</li> <li>2. Developing a cloud based file management system (Evernote)</li> <li>3. Developing a search &amp; recommendation application for hotels and restaurants (Zomato)</li> </ul>
<b>PROJECT POOL</b> (Listed by IBM / INFOSYS)	<ul style="list-style-type: none"> <li>1. Projects available in project pool prescribed by Infosys &amp; IBM will be considered as industry projects.</li> </ul>	<ul style="list-style-type: none"> <li>1. Library Management System</li> <li>2. Online Resume Builder</li> <li>3. Prison Management System</li> </ul>
<b>HARDWARE (EMBEDDED PROJECTS)</b>	<ul style="list-style-type: none"> <li>1. Projects involving any hardware component (electrical or electronic circuit / mechanical apparatus etc.) will be considered as hardware based project.</li>   <li>2. Any requirement (fabrication / assembly etc.) for hardware projects should be placed in knowledge of concerned project mentor, lab coordinator and HOD for provision of adequate support and guidance.</li> </ul>	<ul style="list-style-type: none"> <li>1. Android based control or automation unit for home appliances</li> <li>2. RFID based token collection / attendance management system</li> </ul>