



## Department of Computer Science & Engineering

Date:21/08/2022

**TITLE: JOB PLACEMENT AND AUTOMATED RECRUITMENT SYSTEM (JOB4U)**

**TEAM NO.: 11**

### PROJECT PLANNING

**1. Identify the lifecycle to be followed for the execution of your project and justify why you have chosen the model. –PES2UG20CS491:AISHWARYA B**

Agile (SCRUM) lifecycle is to be followed for the execution of our project since :

#### RAPID DELIVERY

The agile process allow us to deliver workable increments to our clients very quickly with three week sprints. They may not be perfect increments, but the understanding is that we will build upon these foundations on an ongoing basis.

#### CROSS TRAINING

Cross training allows each agile team member to appreciate the other team member's thought process ,where in each team member are cross functional and self organising.

#### COLLABORATIVE

Agile working requires a lot of feeding back and forth between teams , clients , and customers.

#### CONCURRENT DEVELOPMENT

Scrum is an iterative approach to software delivery in which teams build software incrementally at the beginning of a project rather than ship it at once upon completion.

#### ADAPTABILITY

The improvement increments between product delivery dates are small , projects can easily change and adapt using AGILE.

**2) Identify the tools which you want to use throughout the lifecycle like planning tool, design tool, version control, development tool, bug tracking, testing tool.**

**-PES2UG20CS491: AISHWARYA B**

FUNCTION	TOOL USED
Planning tool	Gantt pro
Design tool	JIRA

<b>Version control</b>	<b>GITHUB</b>
<b>Development tool</b>	<b>Visual studio code</b>
<b>Bug tracking</b>	
<b>Testing tool</b>	

**3) Determine all the deliverables and categorise them as reuse/build components and justify the same.**  
**–PES2UG20CS496 : ASHWATHY S KUMAR**

**Authorisation:**

Login and signup page: reuse. It can be done using already existing code with a little modification as per client needs providing more secure features with password verification.

**View Candidates:**

Short-listed candidates: build. Building a web platform from scratch such that admin can have a user-friendly platform to easily short-list among all the candidates and making sure that this authorization is given only to admin.

**Post Job:**

Few components are built and few reused, based on the features to be added and removed.

**Search Job:**

Reuse. Since there are many algorithm for search techniques , components for such can easily be found and modified.

**Employee registration:**

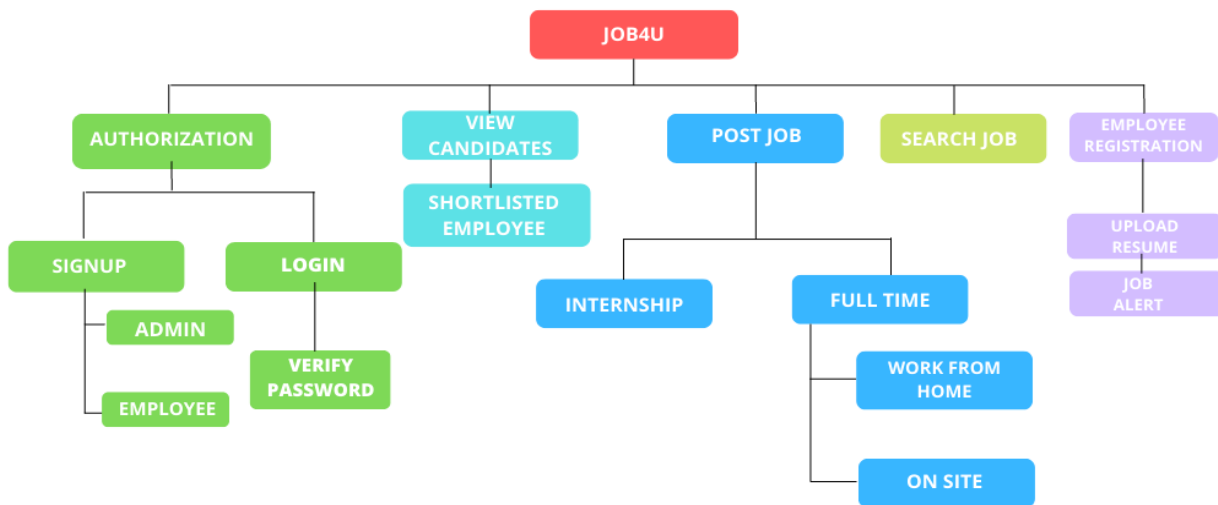
Reuse. Components for resume upload and job alert already exist but require few modifications according to web platform we plan to build.

**4) Create a WBS for the entire functionalities in detail.**

**-PES2UG20CS496:ASHWATHY S KUMAR**

**-PES2UG20CS506:D NISHA**

## Work Breakdown Structure



5) Do a rough estimate of effort required to accomplish each task in terms of person months.  
-PES2UG20CS506:D NISHA

The organic COCOMO Model will be used.

$$\text{Effort} = a_1 * (\text{KLOC})^{b_1} \text{ PM}$$

$$\text{KLOC} = 2.00$$

$$a_1 = 2.4$$

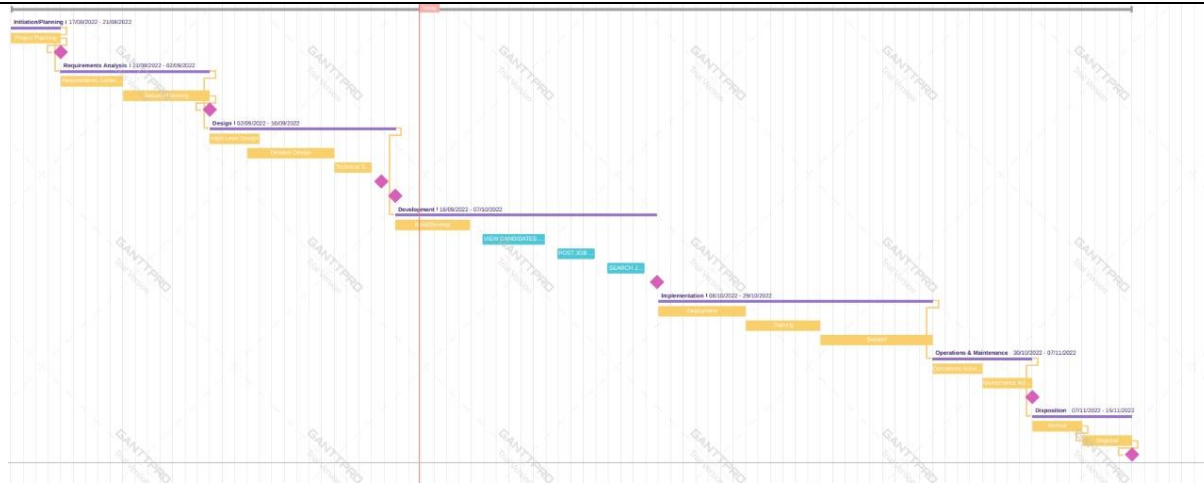
$$b_1 = 1.05$$

$$\text{Effort} = 2.4 * (2.00)^{1.05} \text{ PM}$$

$$= 4.9 \text{ PM}$$

6) Create the Gantt Chart for scheduling using any tool.

- PES2UG20CS515: K Vasanth Karthik



### Team Details:

#	Name	SRN	Signature of Student	Remarks by Faculty
01	Aishwarya B	PES2UG20CS491		
02	Ashwathy S Kumar	PES2UG20CS496		
03	D.Nisha	PES2UG20CS506		
04	K Vasanth Karthik	PES2UG20CS515		

