[Recycling application]

[PROJECT MANAGEMENT]

Made by FCI Students 2021
   [SECTION 5]

ASUIT UNVERSITY

PROJECT ID

Project name	Recycling application
description of app	This application connects people and large companies that contain waste that can be recycled
Team members	1. Mahmoud saber attya 2. mahmoud said omar 3. Mohamed naddy mohamed 4. Mahmoud Hussein Mohamed 5. Mahmoud salah abdelatty 6. Mahmoud ahmed elrafiy

Summarization of problem

Humans and life creatures suffer every day from environmental pollution and harm, and it has become a big problem that is aggravating day by day, such as the formation of mounds of waste, the killing of fish in the oceans and climate change.

Project Objectives

1. To reach the culture of recycling to many people through the application

2. Dispose of waste and used equipment by recycling

3. Financial return from recycled products

4. Protecting the planet from environmental and climate damage

Planning

1. Making an application that connects factories and owners of large companies or any facility

2. Setting special conditions for dealing between us, such as determining the type of waste with the customer and the quantity available to him, and based on that, the price of the waste is determined with the customer

3.Connecting homes through the application takes points that are determined by the type of waste, and these points can be used to purchase food commodities from one of the stores that will be agreed upon.

4.We recycle the waste and then turn it into raw materials such as plastic, aluminum, glass, etc. and sell it to facilities and factories, thus we have achieved a profit and the safety of the environment

Breakdown Risk Structure

1.financial crises

2.Missed the deadline for assignments

3.The presence of obstacles such as networks and hardware quality

4.Having problems dealing with customers

Scope

- **main objective of application**

  The purpose of this application is to reduce waste in the environment and benefit from it extensively through recycling

deliverables

- ## (software)

  Preparing the equipment, servers and networks necessary to establish the project and make a number of models for the application and choose the most appropriate

- ## (staffing)

  Conducting interviews to select technicians and engineers who are fit to make the application, who establish networks, servers, and equipment With a sum of 100 thousand dollars

- ## (Advertising)

  An agreement with an advertising company to promote the idea of the application with the largest number of people and simplify the idea of the application

Milestone

1.Set up devices, connect servers, and operate the network within a month, and under a sum of $500 thousand

2.Working on a prototype of the application within 45 days

3.When you confirm the mechanism of the initial model of the application and its form, we are working on developing the application to reach the highest efficiency within a month

4.Setting the final version of the application, evaluating the application from its experience, and amending defects through observations, within six weeks

5.Making promotional ads for the application and huge advertising campaigns and contracting with companies necessary to implement the points system in food, and this is within two months while saving a sum of money of 200

Budget	project time	weekly requirements
Through the initial calculations that we mentioned, the total budget is 900$ thousand	The time required to complete the project is 7 months	1.Make a weekly report from the administrators on the project 2.Hold a weekly meeting to discuss project developments and the most important works and achievements

Work Break down structure
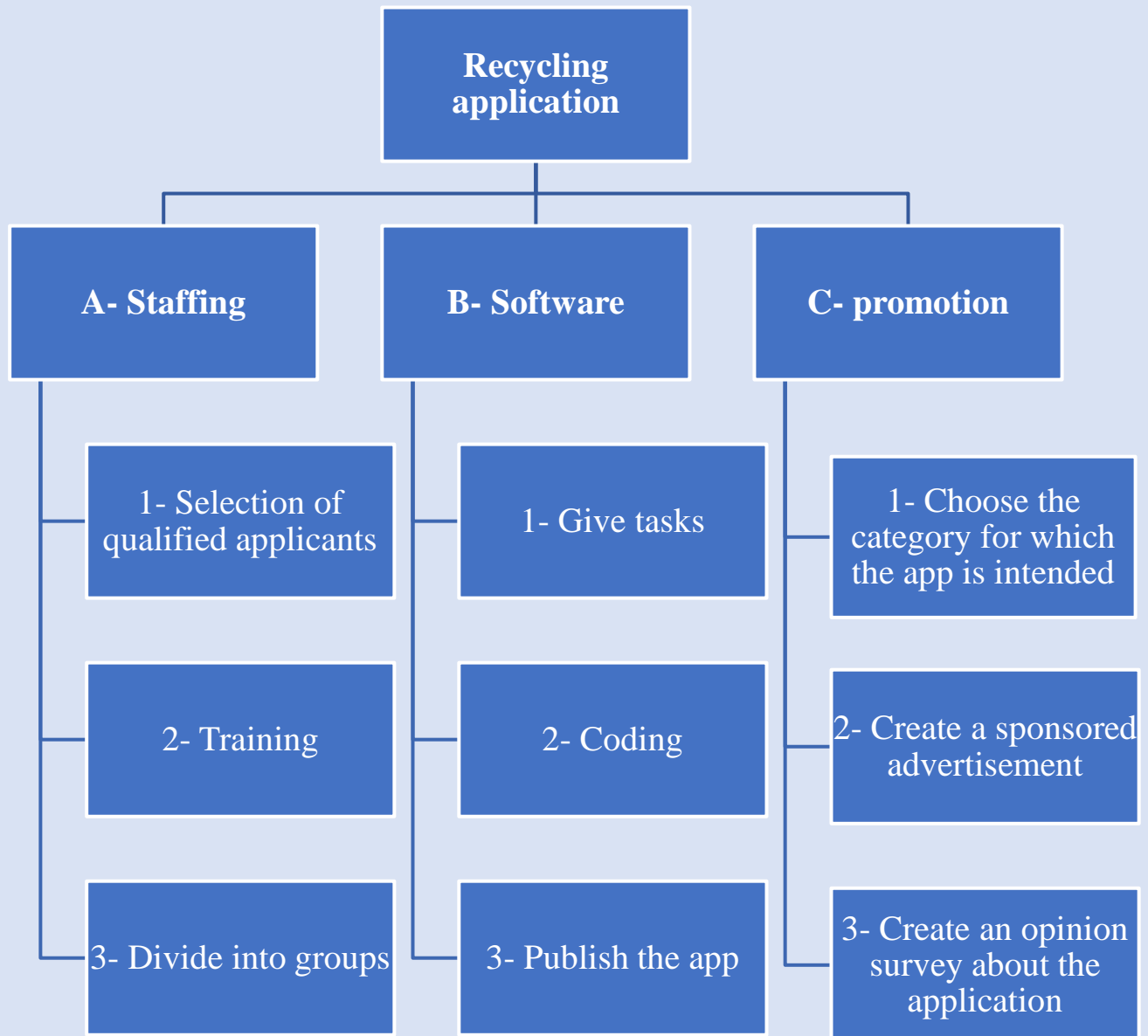
```
                    Recycling
                    application
        ┌───────────────┼───────────────┐
   A- Staffing      B- Software      C- promotion

1- Selection of     1- Give tasks    1- Choose the
qualified applicants                 category for which
                                     the app is intended

2- Training         2- Coding        2- Create a sponsored
                                     advertisement

3- Divide into groups  3- Publish the app   3- Create an opinion
                                     survey about the
                                     application
```

Responsibility

Activates	Mahmoud saber	Mahmoud hussien	Mohamed naddy	Mahmoud salah	Mahmoud said	Mahmoud ahmed
Select the project idea	R	C	A	C	I	I
Select the tasks	A	R	I	I	C	C
Select resources	A	R	C	C	I	R
S .high risk	C	A	I	C	R	R
S .low risk	R	A	I	C	R	C
Create design	R	I	C	I	A	C

R	responsible
A	accountable
I	informed
C	consulted

Risk

Risks	Description	Severity
Financial Risks	▪ **High prices of materials used in the implementation of the project.** • **The availability of funding and the willingness of the financiers to assist in the implementation of the project**	**High** **High**
Social Risks	✓ **Lack of communication with those affected by the implementation of the project and the absence of procedures to encourage their participation and benefit from the project.** ✓ **Knowledge of people about the application and how to use it**	**Medium** **Low**
Political Risks	○ **Failure to obtain approvals or permission to do some necessary work in a timely manner.**	**High**
Technical risks	▪ **Constantly developing and updating.** ▪ **Hacking and breaches.** ▪ **Failed storage.**	**Lew** **Medium** **High**

Network

0	A	1
0		0
0	1	1

1	D	5
3		3
4	4	8

1	C	3
0		0
1	2	3

1	B	4
2		2
3	3	6

3	F	8
0		0
3	5	8

4	E	6
2		2
6	2	8

8	G	11
0		0
8	3	11

11	I	11
0		0
11	2	13

6	H	9
2		2
8	3	11
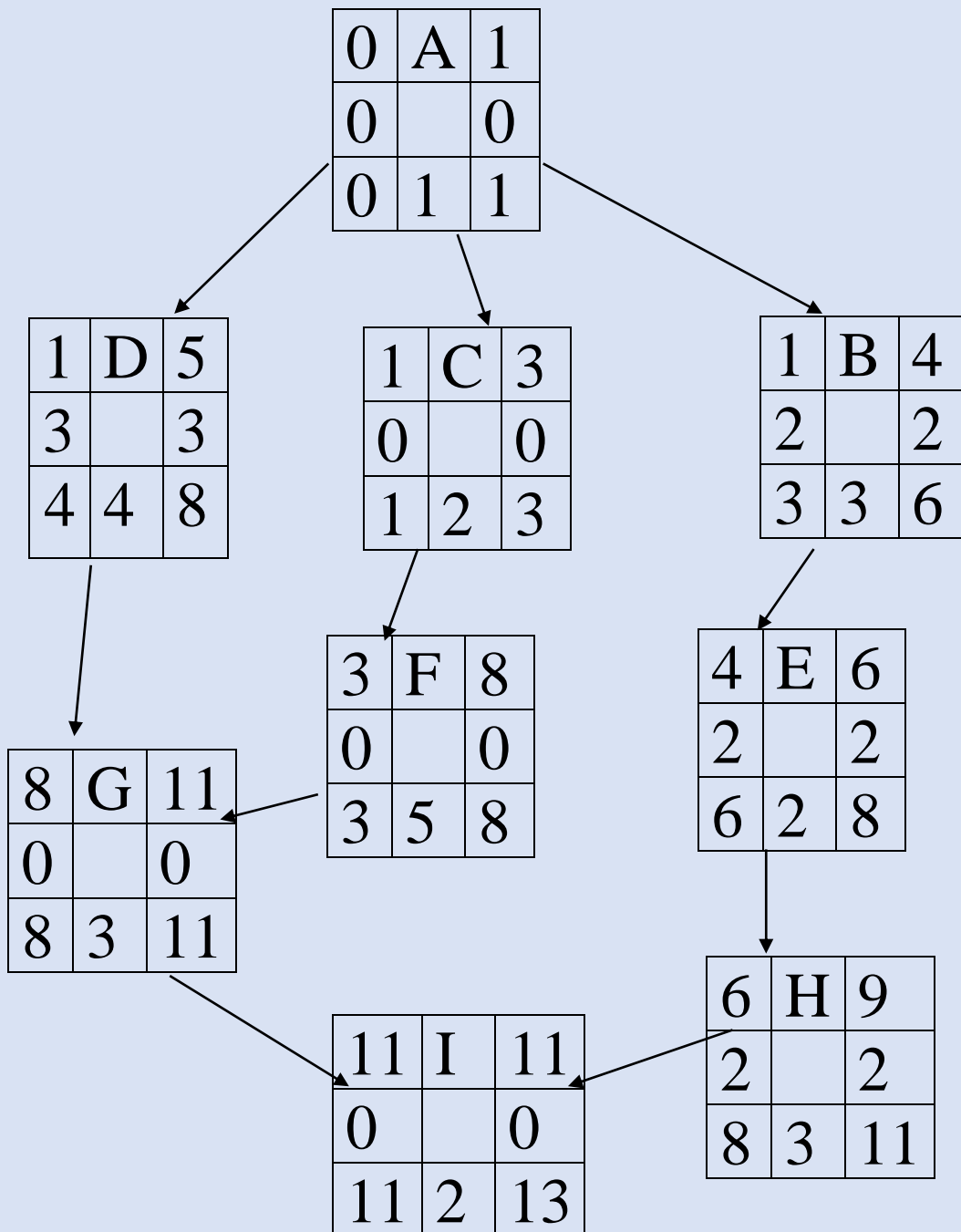
Slake table

	RS	DUR	ES	LF	SL		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
A	1	1	0	1	0	Selection of qualified app	1																		
B	2	3	1	6	2	Training		2	2	2															
C	2	2	1	3	0	Give Tasks		2	2																
D	2	4	1	8	3	Coding											2	2	2	2					
E	3	2	4	8	2	Divide into groups						3	3												
F	3	5	3	8	0	choose the category					3	3	3	3	3										
G	3	3	8	11	0	create a sponsored advertisment															3	3	3		
H	2	3	6	11	2	create an opinion survey about the app								2	2	2									
I	2	2	11	13	0	publish the application																		2	2
						Total resource load	1	4	4	5	6	6	5	5	2	2	2	2	2	3	3	3	2	2
						Resource available	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6

Edited Network

0	A	1
0		0
0	1	1

9	D	13
0		0
9	4	13

1	C	3
0		0
1	2	3

1	B	4
2		2
3	3	6

3	F	8
0		0
3	5	8

4	E	6
2		2
6	2	8

13	G	16
0		0
13	3	16

6	H	9
2		2
8	3	11

16	I	18
0		0
16	2	18
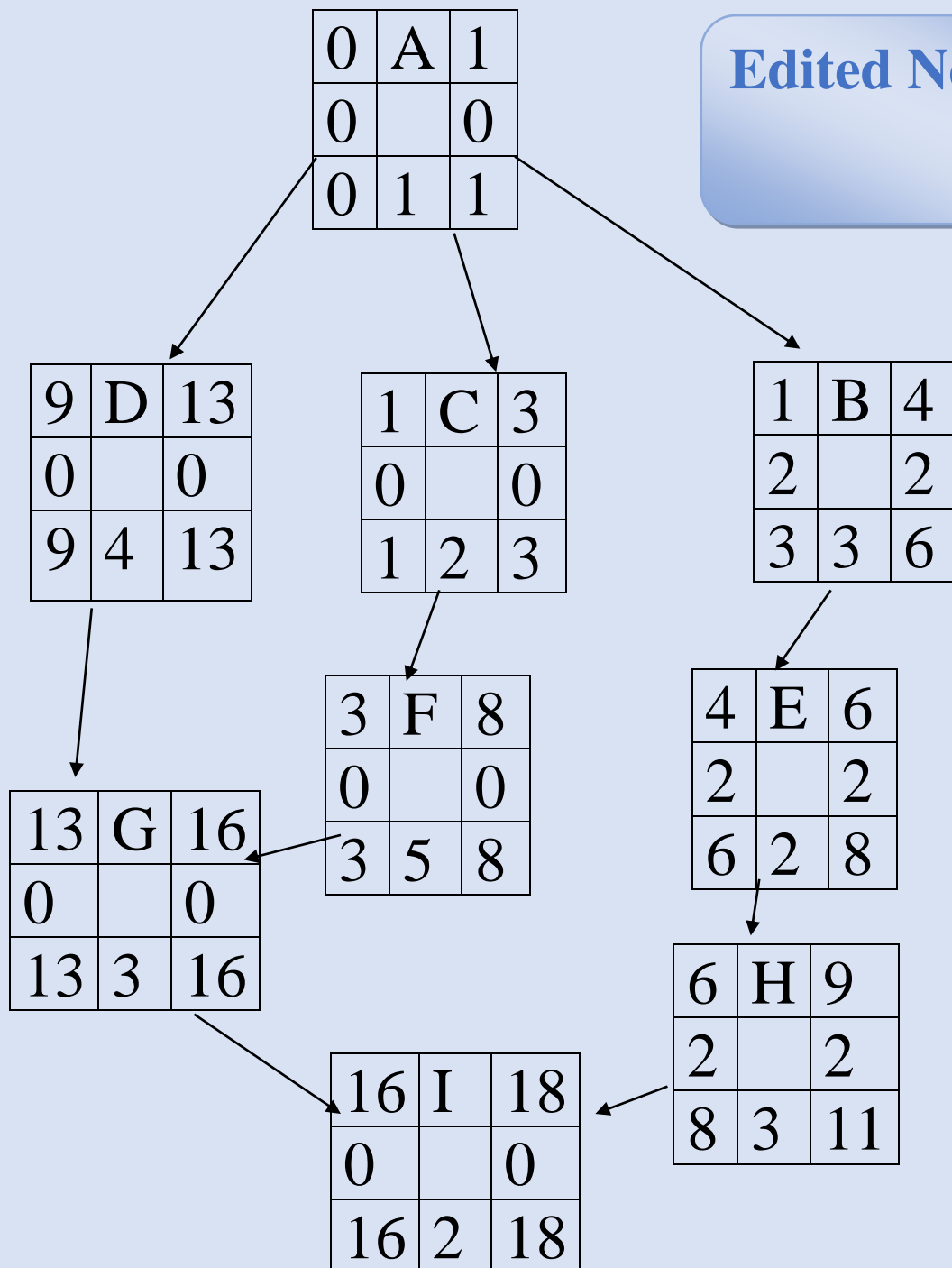
Budget

ID	Activity	DUR	Budegt	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
A	Selection of qualified applicants	1	40,000$	40,000$																	
B	Training	3	30,000$		10,000$	10,000$	10,000$														
C	Give tasks	2	30,000$		15,000$	15,000$															
D	Coding	4	200,000$										50,000$	50,000$	50,000$	50,000$					
E	Divid into groups	2	200,000$					100,000$	100,000$												
F	Choose the category for which the app is intended	5	200,000$				40,000$	40,000$	40,000$	40,000$	40,000$										
G	Create a sponsored advertisement	3	60,000$														20,000$	20,000$	20,000$		
H	Create an opinion survey about the application	3	30,000$							10,000$	10,000$	10,000$									
I	publish app	2	110,000$																	55,000$	55,000$
	Total	900,000 $		40,000$	25,000$	25,000$	50,000$	140,000$	140,000$	50,000$	50,000$	10,000$	50,000$	50,000$	50,000$	50,000$	20,000$	20,000$	20,000$	55,000$	55,000$
	Cumulitive			40,000$	65,000$	90,000$	140,000$	280,000$	420,000$	470,000$	520,000$	530,000$	580,000$	630,000$	680,000$	730,000$	750,000$	770,000$	790,000$	845,000$	900,000$

Gant chart

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Selection of gualified applaction	■																		
Training			■	■	■														
Give Tasks			■	■															
Coding											■	■	■	■					
Divide into groups						■	■												
choose the category					■	■	■	■	■										
create a sponsored advertisment															■	■	■		
create an opinion survey about the app								■	■	■									
publish the application																		■	■