

## Online Animal Care

### Group – 3

#### Timeline Charts

Weeks	1	2	3	4	5	6	7	8	9
Task : Person									
A : Anik									
B : Nafiz									
C : Raiyan, Sharna									
D : Anik, Nafiz									
E : Nafiz, Raiyan									
F: Anik, Sharna									
G: Nafiz, Raiyan									

#### **Activity key:**

A: Requirement analysis

B: Designing/Modeling

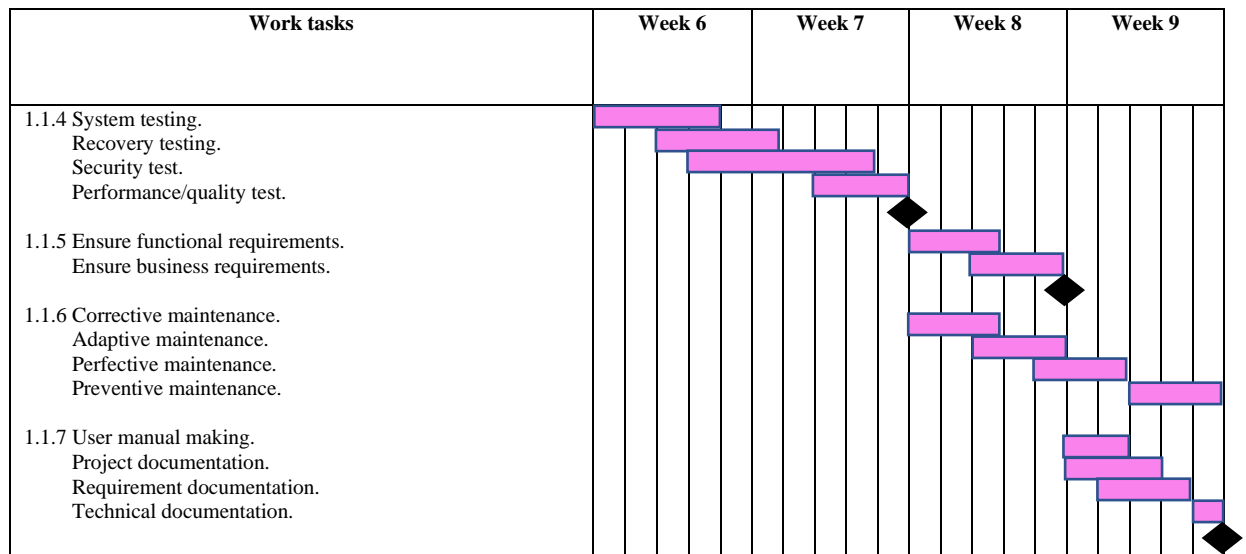
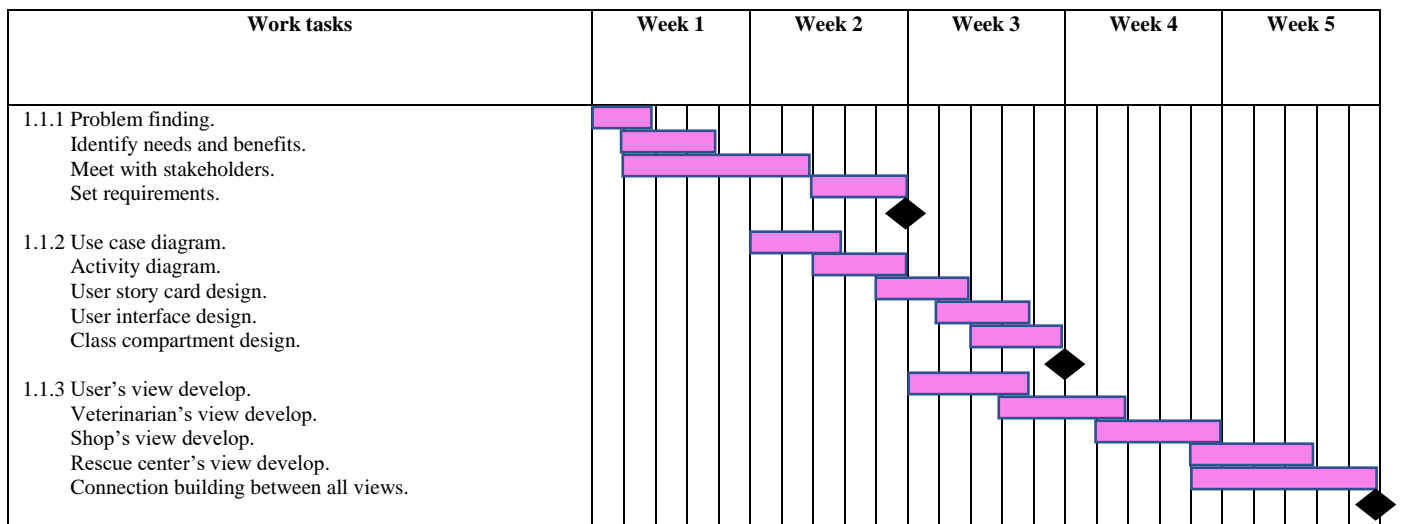
C: Coding/Development

D: Testing

E: Implementation/Integration phase

F: Operation/Maintenance

G: Documentation



## Constructive Cost Model

**Software project type:** Organic

**Coefficient**<sub><Effort Factor></sub> = 2.4

So, **P** = 1.05 and **T** = 0.38

**SLOC** = 10000 Lines

**Persons-months, PM** = Coefficient<sub><Effort Factor></sub> \* (SLOC/1000)<sup>P</sup>

$$= 2.4 * (10000/1000)^{1.05}$$

$$= 26.93$$

**Development time, DM** = 2.50 \* (PM)<sup>T</sup>

$$= 2.50 * (26.93)^{0.38}$$

$$= 8.74 = 9 \text{ months} = 1584 \text{ Working hour}$$

**Required number of people, ST** = PM/DM

$$= 26.93/9$$

$$= 2.99 = 3 \text{ people}$$

## Budgeting

### **Developer salary of 9 months:**

Per developer salary per working hour = 700 Taka

Total developer salary =  $700 * 1584 = 11,08,800$  Taka

### **Requirement analysis:**

Required time = 1 month = 22 working days = 176 working hour

Requirement analysis person's per hour salary = 200 Taka

Total requirement analysis salary =  $200 * 176 = 35,200$  Taka

**Transportation cost: 10,000 Taka** (Approximate)

**Hardware expense: 1,00,000 Taka** (Approximate)

### **Rent expenses:**

Room per month = 12,000 Taka

Total in 9 months = **1,08,000 Taka**

**Total utilities in 9 months: 15,000 Taka** (Approximate)

### **Maintenance (Till 3 months after delivery):**

Cost per hour = 1,200 Taka

Total estimated time needed for maintenance = 30 hours

Total estimated maintenance cost =  $1,200 * 30 = 36,000$  Taka

### **Project manager's salary of 9 months:**

Per month salary = 30,000 Taka

Total salary =  $30,000 * 9 = 2,70,000$  Taka

### **Accountant's salary of 9 months:**

Per month salary = 5,000 Taka

Total salary =  $5,000 * 9 = 45,000$  Taka

**Total expense:**  $11,08,800 + 35,200 + 10,000 + 1,00,000 + 1,08,000 + 15,000 + 36,000$   
 $+ 2,70,000 + 45,000 = 17,28,000$  Taka

### **Profit:**

25% of total expense =  $17,28,000 * 25\% = 4,32,000$  Taka

**Total budget: 17,28,000 + 4,32,000 = 21,60,000 Taka**