## Task 5: Gantt chart

Gantt chart is one type of bar chart which is used for describing a Project Schedule. Gantt chart shows the start and finish date of the terminal elements and summary element involved in a project. It also shows the dependency between various tasks in a project showing serial or parallel execution of tasks. The Gantt chart here clearly represents the phases and activities in WBS submitted in task 3 and the Network diagram submitted in task 4.

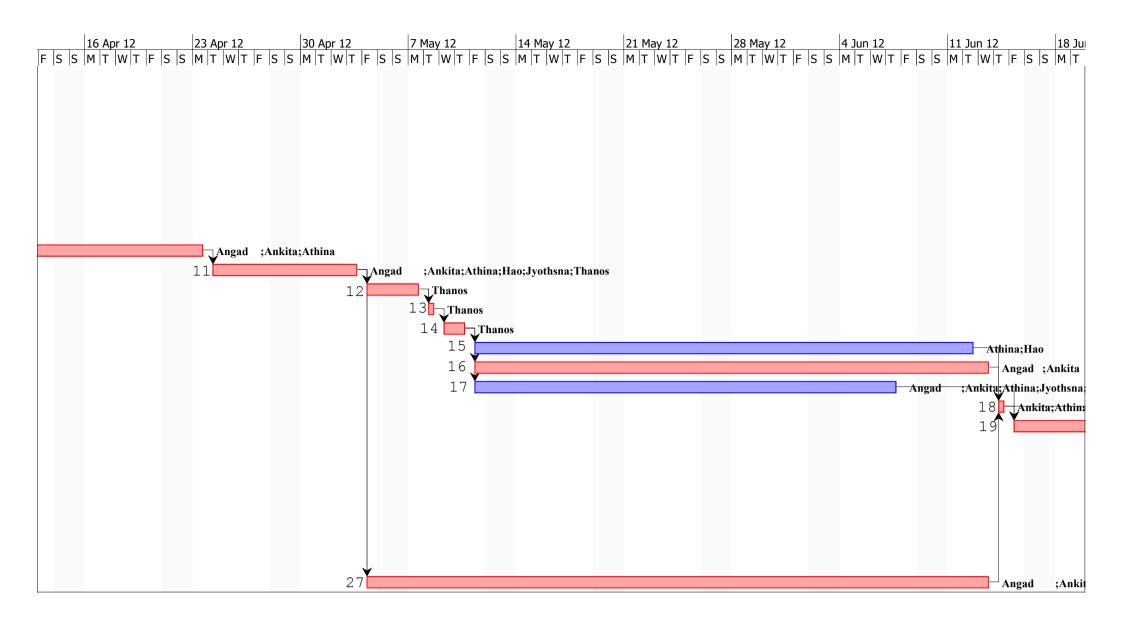
The estimation table providing the details of the name of the tasks, duration of each task and the start and finished date is given in task 3. This table is used to create the Gantt chart shown in the figure. The OpenProj application has been used to prepare the Gantt chart. The Gantt chart exactly resembles the Network diagram. In the chart the bars in red denote the critical path of Network diagram. It also has the same Predecessor and Successor tasks drawn in network diagram.

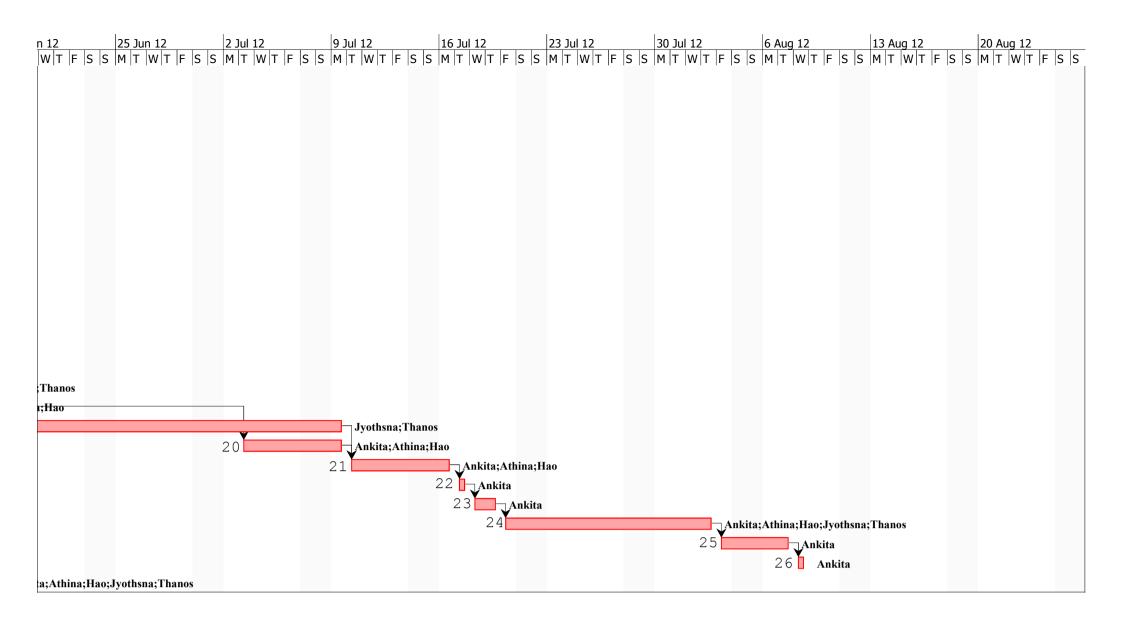
The chart is drawn by assuming that the project will start from 1<sup>st</sup> March and it will continue for up to 6 months with six team members as mentioned in the estimation model. The chart provides the 6 months estimation of the project but there are some limitations of providing the estimation in this project. The limitations are-

- (i) The estimation in this project is done completely on assumption, so the actual timing of implementation of the project may be different. In that case the chart has to be updated.
- (ii) There are subtasks of many tasks but the subtasks are not represented in the chart because it may make the chart heavy with full of information. In order to make it simple and understandable by common audience the subtasks are avoided in the chart.

	<b>®</b>	Name	Duration	Start	Finish	Predecessors
1		Prepare Project Plan	5 days	01/03/12 08:00	07/03/12 17:00	
2		Risk Analysis	3 days	01/03/12 08:00	05/03/12 17:00	
3		Submit & get approval for project plan	5 days	08/03/12 08:00	14/03/12 17:00	1;2
4		Decide on hardware & software requirements	2 days	15/03/12 08:00	16/03/12 17:00	3
5		Resource Planning	1 day	15/03/12 08:00	15/03/12 17:00	3
6		Project Kickoff meeting	1 day	19/03/12 08:00	19/03/12 17:00	4;5
7		Create FRS from BRS	5 days	20/03/12 08:00	26/03/12 17:00	6
8		FRS signed & approved	5 days	27/03/12 08:00	02/04/12 17:00	7
9		Software & Hardware Configuration	2 days	27/03/12 08:00	28/03/12 17:00	7
10		Design of HLD & LLD from FRS	15 days	03/04/12 08:00	23/04/12 17:00	8;9
11		Knowledge Transfer Sessions	8 days	24/04/12 08:00	03/05/12 17:00	10
12		Create & Initialize customized tables	2 days	04/05/12 08:00	07/05/12 17:00	11
13		Setup DB Access Rights	1 day	08/05/12 08:00	08/05/12 17:00	12
14		Testing of DB Setup	2 days	09/05/12 08:00	10/05/12 17:00	13
15		Portal Design for Customers/Business Users/Third Parties	23 days	11/05/12 08:00	12/06/12 17:00	14
16		Oracle CRM Development	24 days	11/05/12 08:00	13/06/12 17:00	14
17		Test Plan Preparation & Approval	20 days	11/05/12 08:00	07/06/12 17:00	14
18		Installation of Developed System	1 day	14/06/12 08:00	14/06/12 17:00	15;16;27
19		Testing Phase	17 days	15/06/12 08:00	09/07/12 17:00	17;18
20	Ö	Bug Fixing	5 days	03/07/12 08:00	09/07/12 17:00	18
21	Ö	Bug Fixing	5 days	10/07/12 08:00	16/07/12 17:00	19;20
22		User Manual Creation	1 day	17/07/12 08:00	17/07/12 17:00	21
23		Code Deployment	2 days	18/07/12 08:00	19/07/12 17:00	22
24		Customer Acceptance Testing & Bug Fixing	10 days	20/07/12 08:00	02/08/12 17:00	23
25		Quality Assurance Check	3 days	03/08/12 08:00	07/08/12 17:00	24
26		ProjectDocumentation	1 day	08/08/12 08:00	08/08/12 17:00	25
27	Ö	Status Meetings	29 days	04/05/12 08:00	13/06/12 17:00	11

Resource Names	Successors	27 Feb 12	5 Mar 12	12 Mar 12	19 Mar 12	26 Mar 12  S  M  T  W T  F  S	2 Apr 12	9 Apr 1
Angad	3	1 1	Angae			3  14  1        4	3  14  1  14  1  3	5  M    V
Angad ;Athina;Jyothsna	3	_ 2		thina;Jyothsna				
Angad	4;5		3	Ang	ad			
Angad	6			4	Angad			
Angad ;Athina;Jyothsna	6			5 <b>—</b>	Athina; Jyothsr	a		
Angad	7				6 Angad			
Athina;Jyothsna	8;9				7	Athina; Jyothsi	na	
Athina;Jyothsna	10					8	Athina;Jyoth	sna
Ankita;Athina;Hao;Thanos	10					9 Ankita;	Athina; Hao; Thanos	
Angad ;Ankita;Athina	11						10	
Angad ;Ankita;Athina;Hao;Jyothsna;Thanos	12;27							
Thanos	13							
Thanos	14							
Thanos	15;16;17							
Athina;Hao	18							
Angad ;Ankita	18							
Angad ;Ankita;Athina;Jyothsna;Thanos	19							
Ankita;Athina;Hao	19;20							
Jyothsna;Thanos	21							
Ankita;Athina;Hao	21							
Ankita;Athina;Hao	22							
Ankita	23							
Ankita	24							
Ankita;Athina;Hao;Jyothsna;Thanos	25							
Ankita	26							
Ankita								
Angad ;Ankita;Athina;Hao;Jyothsna;Thanos	18							





27 Aug 12 M T W T	F S	S I	3 Sep M T	12 W T	F