

## **الفصل الخامس عشر**

### **دراسة الجدولة الزمنية باستخدام الحاسب الآلي**

**( Computer Scheduling Case Study)**

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	.	-
.(Scheduling Software )		-
.(Useful Software Features)		-
.(Activity Identification)		- -
.(Base calendar)		- -
.(Schedule Baseline)		- -
.(Collapsing the schedule )		- -
.(Data date)		- -
.(Date line )		- -
.(Expanding the schedule)		- -
.(Filtering)		- -
.(Global change )		- -
.(Link line )		- -
.(Linking )		- -
.(Network Loop )		- -
.(Progress Bar )		- -
.(Recurring Task)		- -
.(Resource calendar)		- -
.(Sorting )		- -
.(Subtask )		- -
.(Summary Task)		- -
.(Cash Flow Analysis)		- -
.(Resource Leveling)		- -
.(Creating a Schedule)		-

- .(Updating a Schedule) -**
- .(Presenting a Schedule) -**
- .( Final Comments) -**

obeyikandi.com

(Template)

(total and free float )

CPM

(Laptop Computer)

**:(Scheduling Software)**

-

**:( Useful Software Features)**

-

:(Activity Identification)

The screenshot displays a project management software interface. The main window shows a Gantt chart for the year 1999, with months from JUL to DEC. Below the chart is a table of activities:

Activity ID	Activity Description	Orig Dur	Rem Dur	%	Early Start
<b>Engineering Department</b>					
<b>Andy Mason - Director of Development</b>					
BA400	Design Building Addition	20	0	100	19JUL99A
AS100	Define System Requirements	10	0	100	20JUL99A
AS101	System Design	20	0	100	19JUL99A
AS204	Prepare Drawings for				
AS216	Prepare Drawings for				
AS102	Approve System Design				
BA469	Assemble Technical Data				
BA470	Review Technical Data				
CS300	System Design				
CS310	Review and Approve				
CS430	Prepare Drawings for				
CS440	Review and Approve				
<b>Tim Evans - Program Manager</b>					
AS205	Review and Approve				
AS217	Review and Approve				
<b>Acme Motors - Owner</b>					
BA501	Review and Approve				
BA530	Review and Approve				
BA560	Review and Approve				
Subtotal					
<b>Purchasing Department</b>					
<b>Meg Foley - Purchasing Manager</b>					
AS200	Prepare and Solicit Bid				

An 'Activity Codes' dialog box is open, showing a table of codes:

#	Name	Length	Description
1	SUBP	2	Project ID

The dialog also shows a list of values for the selected code:

Value	Description	Order
AS	Robotics Automation System	
BA	Office Building Addition	
CS	Conveyor System	

شكل ( ١٥ - ١ )

استخدام رمز تعريف النشاط

Primary Key

(Activity ID Codes)

( EL)

(EL0160) :

01

(Filtering)

:(Base Calendar)

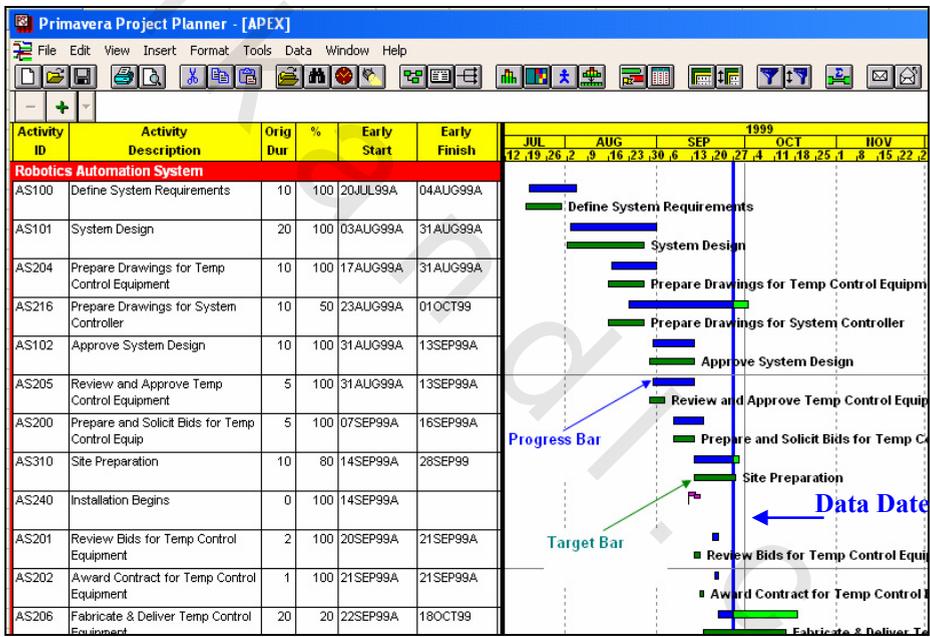
- -

The screenshot displays the Primavera software interface. On the left, a table lists activities with columns for Activity ID, Description, Orig Dur, Rem Dur, %, and Early Start. The activities are grouped by department: Engineering Department (including Andy Mason - Director of Development) and Purchasing Department (including Meg Foley - Purchasing Manager). A 'Standard Daily Information' dialog box is open, showing 'Calendar ID: 1' and 'Title: Standard 5-day'. Under 'Workdays', the 'Use base calendar standard workweek' checkbox is checked, and the days Monday through Friday are selected with checkboxes. On the right, a 'Calendars' dialog box is open, showing a list of calendars: 'Global Calendar', '1 - Standard 5-Day', '2 - 3-Day Workweek', '3 - 7-Day Workweek', and '4 - 4 Day Workweek'. Below this is a calendar grid for July 1999, with 'Standard 5-Day' selected. The grid shows days 1 through 31, with 'G' and 'R' in the first column. At the bottom of the calendar dialog are buttons for 'Work', 'Nonwork', 'Transfer...', 'Print..', and 'Close'.

شكل (١٥ - ٢)

قاموس النتائج

: (Schedule Baseline)



شكل ( ١٥ - ٣ )

نموذج عرض جدول زمني لعمل مقارنة بالمخطط

(Read-Only File)

**:(Collapsing the Schedule)**

- -

**:(Data Date)**

- -

**:(Date Line)**

- -

) (Bar Chart)

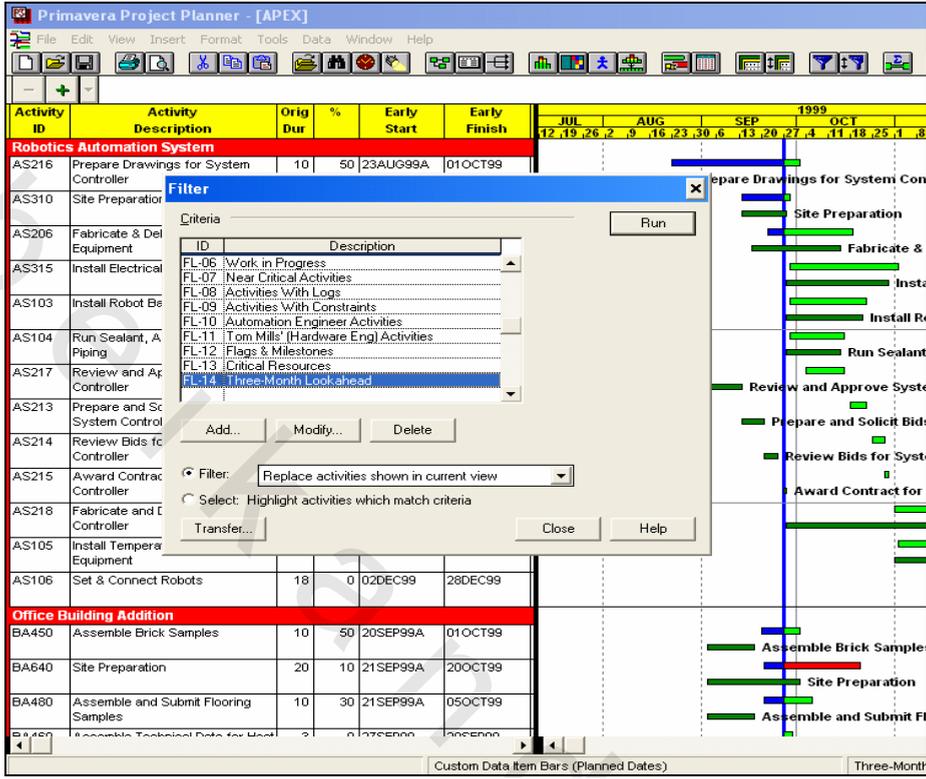
(

**:(Expanding the schedule)**

- -

:(Filtering)

- -



شكل ( ١٥ - ٤ )

استخدام خاصية التصفية

**:(Global Change)**

- - -

.Gantt

**:(Link Line)**

- - -

**:(Linking)**

- - -

**:(Network Loop)**

- - -

**:(Progress Bar)**

- - -

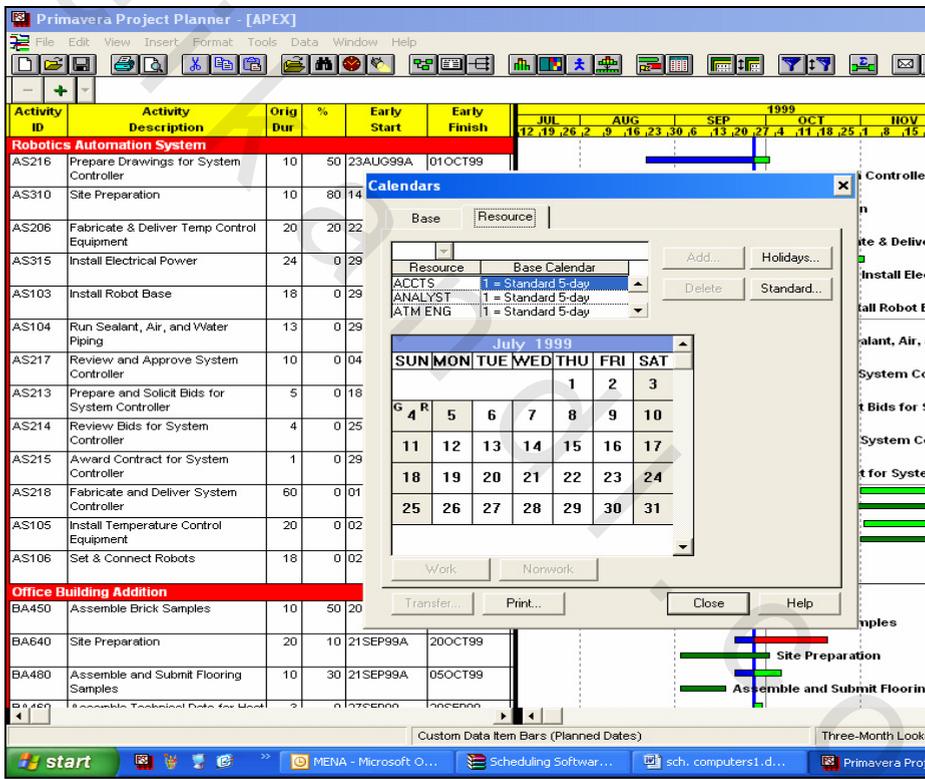
(Gantt)

:((Recurring Task

- -

:((Resource calendar)

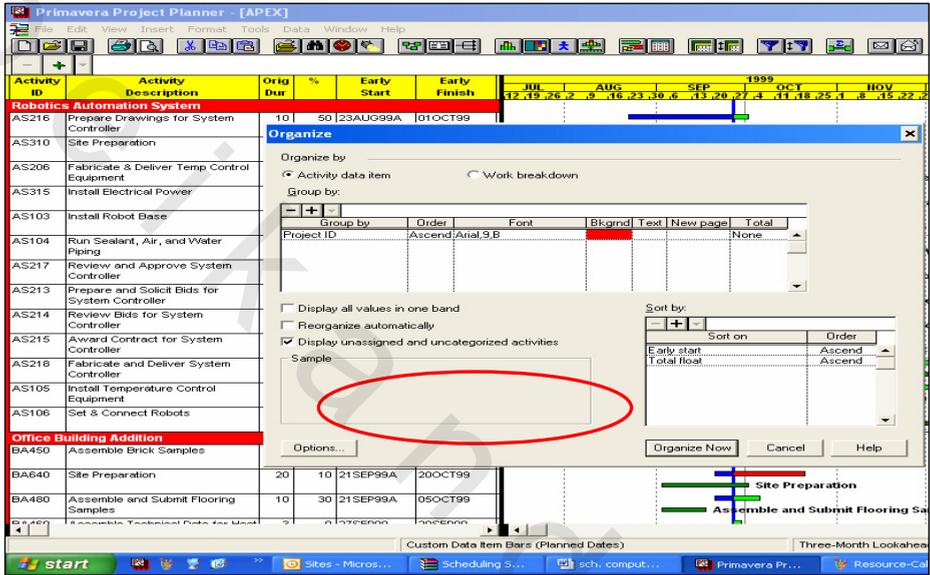
- -



شكل (١٥ - ٥)

نتيجة الموارد

:(Sorting)



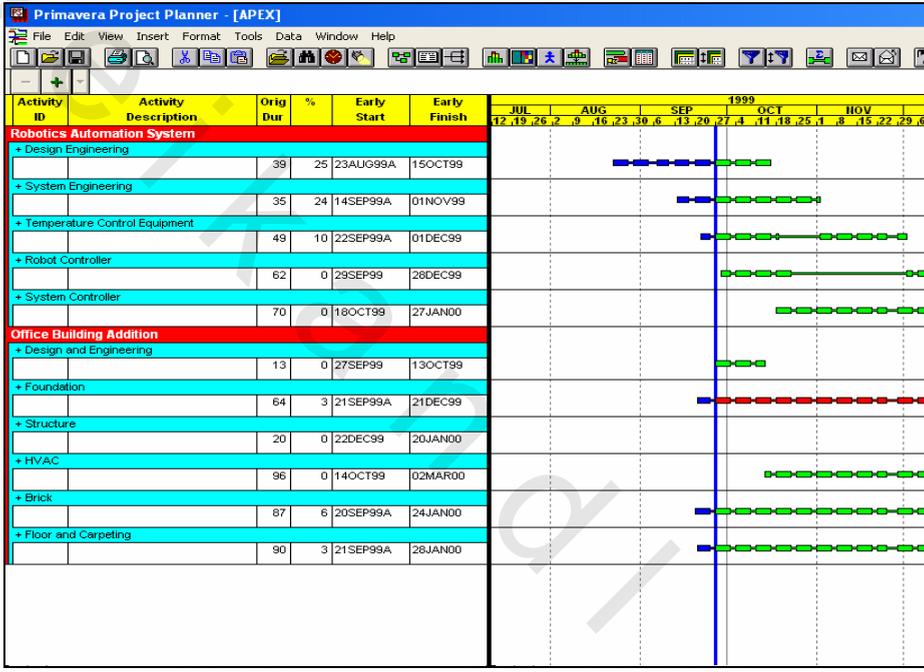
شكل (١٥-٦)

استخدام خاصية الفرز في التنظيم

(Filtering)

:(Subtasks) - -

:(Summary Tasks) - -



Summary Tasks (Representing WBS)

شكل ( ١٥ - ٧ )  
عرض ملخص المهام

**:(Cash Flow Analysis)**

- -

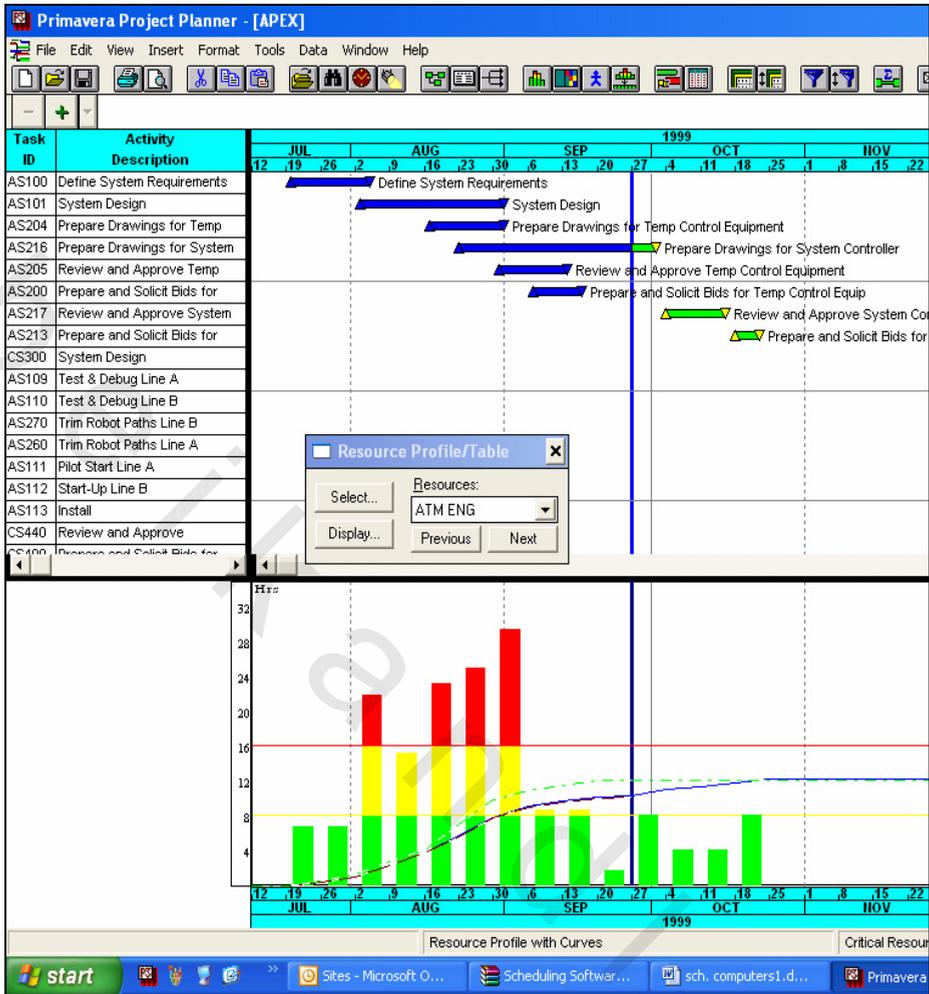
( )

( ACWP )

( CV )

( BCWP )

( SV )



شكل ( ١٥ - ٨ )

عرض منحنيات الموارد

:(Allocation Resource Leveling)

**:(Creating A Schedule)**

-

.CPM

(PERT)

(Gantt)

(Gantt )

(CPM)

( WBS )

(WBS)

**:(Updating a Schedule)**

(Loops)

(Gantt)

(Baseline schedule)

(CPM)

CPM

.CPM

.(Gantt )

.(Gantt)

:((Presenting a Schedule

(Gantt )

(Gantt)

**:( Final Comments)**

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