**Flow Chart(1):TimeTableHelper(Branch,course,sem,shift,day,col,subject\_Sr)**

Class\_type=p

Course=MCA

Insert 3 entries into tt for subject\_sr,faculty\_Sr,col day shift and shift+1,shift+2 c,b,s

Insert 2 entries into tt for subject\_sr,faculty\_Sr,col day shift and shift+1 c,b,s

Insert into tt for subject\_sr,faculty\_Sr,col day shift c,b,s

Class\_count-=1

(type)Selected=subject

Delete from tt for day shift,shift+1,subject\_sr

Delete from tt for day shift,subject\_sr ,col

Delete form tt for day shift shift+1 shift+2,subject sr

Course=MCA

Class\_type=p

Subject count+=1

Entry found

Select entries from Timetable for day and shift

Event:option Change

diplayOptions()

Display TimetablePanel

y n

n y

y

n

y

n

n

y

n

y

**Flow Chart(2):updateOptions(Branch,course,sem,shift,day,col,subject\_Sr)**

Shift++

Selection col=1

Reject subject option

Add option to selection box

Entry found

shift<7

day<6

day++

Reject subject option

Add option to selection box

Entry found

Search tt for day,shift

Entries\_count=0

Search tt for day,shift,shift+1.shift+2

Search tt for day,shift,shift+1

Reject option

Shift=1||2||5

Shift!=4||7

Course=MCA

Class\_type=P

For all faculty

Select all corresponding faculty

Select subject from table where lecture\_count>0

Select all from timetable where day and shift matches

day=1,shift=1 Day,shift,sem,col,branch,col,sem

n

y

n

y

n

y

n

y

y n y

n n

y y

n y

y n

Add subject as an option in selection box with col=1

Class\_type=p

Entries\_count=1

y

If col=1

Reject subject option

Add option to selection box

For all entries

Add subject as an option in selection box col2

Add subject as an option in selection box col1

Shift=1||2||5

Entries\_count=2

Selection col=col

Entry found

Course=MCA

Shift!=4||7

For all faculty

Select all corresponding faculty

Select all subjects where class type=p and count>0

Add subject as an option in selection box with col=2

Add subject as an option in selection box with col=1

Col=1

n n

y

y

n

n

Reject option

Select from tt for day and shift,shift+1

Select from tt for day and shift,shift+1,shift+2

y y

y n

y

y n

n