

# Programme for Organising Students' Choices

(Curriculum Development Institute)

## User Manual

(updated as at 11-04-2008)

### Step 1

#### Enter students' names and choices of elective subjects

You can enter students' names and choices either from the keyboard or copy from a file that already contains their names and choices. The maximum number of student is 244. The programme will assign subjects to students according to the priority set/ listed in the table.

Please enter all the required data below, then click

Clear List

Student Name	Choice 1	Choice 2	Choice 3	Choice 4	Choice 5	Choice 6
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						

Step 1: Copy and paste all students' names and choices from the data file *student\_data\_080411.xls* to Table 1.

Please enter all the required data below, then click

Clear List

Student Name	Choice 1	Choice 2	Choice 3	Choice 4	Choice 5	Choice 6
1 4A_01	C_Lit	Econ	Mu	VA	C_Hist	Hist
2 4A_02	Biol	Econ	BAFS	Chem	Mu	VA
3 4A_03	Biol	Mu	Geog	C_Lit	C_Sci	Phy
4 4A_04	C_Lit	Geog	C_Hist	Econ	C_Sci	Phy
5 4A_05	C_Lit	C_Hist	Hist	Econ	Geog	BAFS
6 4A_06	C_Lit	C_Hist	Phy	Chem	Geog	Econ
7 4A_07	BAFS	C_Sci	Econ	ICT	Geog	C_Lit
8 4A_08	Geog	Econ	C_Sci	Hist	BAFS	ICT
9 4A_09	BAFS	Geog	Econ	C_Lit	ICT	C_Sci
10 4A_10	Mu	VA	C_Sci	Geog	Econ	BAFS
11 4A_11	BAFS	Econ	Geog	C_Hist	VA	Mu
12 4A_12	Mu	BAFS	C_Sci	Econ	VA	C_Lit
13 4A_13	Econ	C_Sci	Geog	Phy	Mu	Hist
14 4A_14	Econ	BAFS	ICT	C_Lit	Geog	VA
15 4A_15	Econ	BAFS	Phy	Geog	Mu	C_Lit
16 4A_16	BAFS	Phy	Econ	C_Hist	Mu	VA

**Step 2**

**Enter subject codes for the elective subjects**

You can enter Subject Code either from the keyboard or copy from a file that already contains the subject codes. The subject codes used in Table 2 must be the same as that in Table 1.

red data below, then click the "Run" button to pro

Choice 3	Choice 4	Choice 5	Choice 6	Table 2		
	VA	C_Hist	Hist	Subject Code	Number of Groups	Maximum Number per Group
	Chem	Mu	VA	Subject1	0	40
	C_Lit	C_Sci	Phy	Subject2	0	40
st	Econ	C_Sci	Phy	Subject3	0	40
	Econ	Geog	BAFS	Subject4	0	40
	Chem	Geog	Econ	Subject5	0	40
	ICT	Geog	C_Lit	Subject6	0	40
i	Hist	BAFS	ICT	Subject7	0	40
	C_Lit	ICT	C_Sci	Subject8	0	40
i	Geog	Econ	BAFS	Subject9	0	40
g	C_Hist	VA	Mu	Subject10	0	40
i	Econ	VA	C_Lit	Subject11	0	40
g	Phy	Mu	Hist	Subject12	0	40
	C_Lit	Geog	VA	Subject13	0	40
	Geog	Mu	C_Lit	Subject14	0	40
	C_Hist	Mu	VA			

Step 2: Copy and paste all the subject codes from the data file *student\_data\_080411.xls* to Table 2.



data below, then click the "Run" button to pro

Choice 4	Choice 5	Choice 6	Table 2		
VA	C_Hist	Hist	Subject Code	Number of Groups	Maximum Number per Group
Chem	Mu	VA	Econ	2	40
C_Lit	C_Sci	Phy	Geog	1	40
Econ	C_Sci	Phy	Hist	1	40
Econ	Geog	BAFS	Chem	1	40
Chem	Geog	Econ	Phy	2	40
ICT	Geog	C_Lit	C_Sci	2	40
Hist	BAFS	ICT	C_Lit	1	40
C_Lit	ICT	C_Sci	Biol	2	40
Geog	Econ	BAFS	BAFS	2	40
C_Hist	VA	Mu	VA	1	40
Econ	VA	C_Lit	C_Hist	1	40
Phy	Mu	Hist	ICT	1	40
C_Lit	Geog	VA	Mu	1	40
Geog	Mu	C_Lit	Subject14	0	40
C_Hist	Mu	VA			

### Step 3

#### Decide number of groups required for each elective subject

By default, number of groups required will be assigned. You may adjust the number of groups for each elective subject in Table 2 according to school's resources. The maximum number of each group is 3.

				Table 2		
3	Choice 4	Choice 5	Choice 6	Subject Code	Number of Groups	Maximum Number per Group
VA	C_Hist	Hist		Econ	2	40
Chem	Mu	VA		Geog	1	40
C_Lit	C_Sci	Phy		Hist	1	40
Econ	C_Sci	Phy		Chem	1	40
Econ	Geog	BAFS		Phy	2	40
Chem	Geog	Econ		C_Sci	2	40
ICT	Geog	C_Lit		C_Lit	1	40
Hist	BAFS	ICT		Biol	2	40
C_Lit	ICT	C_Sci		BAFS	2	40
Geog	Econ	BAFS		VA	1	40
C_Hist	VA	Mu		C_Hist	1	40
Econ	VA	C_Lit		ICT	1	40
Phy	Mu	Hist		Mu	1	40
C_Lit	Geog	VA		Subject14	0	40
Geog	Mu	C_Lit		Subject15	0	40
C_Hist	Mu	VA		Subject16	0	40
C_Sci	ICT	Mu		Subject17	0	40
C_Sci	C_Lit	VA		Subject18	0	40
Geog	VA	Mu				
Hist	C_Hist	C_Sci				

Step 3: Adjust the number of group required for Physics in Table 2 from 2 to 1.

				Table 2		
3	Choice 4	Choice 5	Choice 6	Subject Code	Number of Groups	Maximum Number per Group
VA	C_Hist	Hist		Econ	2	40
Chem	Mu	VA		Geog	1	40
C_Lit	C_Sci	Phy		Hist	1	40
Econ	C_Sci	Phy		Chem	1	40
Econ	Geog	BAFS		Phy	1	40
Chem	Geog	Econ		C_Sci	2	40
ICT	Geog	C_Lit		C_Lit	1	40
Hist	BAFS	ICT		Biol	2	40
C_Lit	ICT	C_Sci		BAFS	2	40
Geog	Econ	BAFS		VA	1	40
C_Hist	VA	Mu		C_Hist	1	40
Econ	VA	C_Lit		ICT	1	40
Phy	Mu	Hist		Mu	1	40
C_Lit	Geog	VA		Subject14	0	40
Geog	Mu	C_Lit		Subject15	0	40
C_Hist	Mu	VA		Subject16	0	40
C_Sci	ICT	Mu		Subject17	0	40
C_Sci	C_Lit	VA		Subject18	0	40
Geog	VA	Mu				
Hist	C_Hist	C_Sci				

### Step 4

#### Decide maximum number of students per group

By default, maximum number of students per group will be 40. You may adjust the maximum number for each group in Table 2 according to school's resources.

Required data below, then click the "Run" button to pro

Choice 3	Choice 4	Choice 5	Choice 6
Mu	VA	C_Hist	Hist
BAFS	Chem	Mu	VA
Geog	C_Lit	C_Sci	Phy
C_Hist	Econ	C_Sci	Phy
Hist	Econ	Geog	BAFS
Phy	Chem	Geog	Econ
Econ	ICT	Geog	C_Lit
C_Sci	Hist	BAFS	ICT
Econ	C_Lit	ICT	C_Sci
C_Sci	Geog	Econ	BAFS
Geog	C_Hist	VA	Mu
C_Sci	Econ	VA	C_Lit
Geog	Phy	Mu	Hist
ICT	C_Lit	Geog	VA
Phy	Geog	Mu	C_Lit
Econ	C_Hist	Mu	VA

Subject Code	Number of Groups	Maximum Number per Group
Econ	2	40
Geog	1	40
Hist	1	40
Chem	1	40
Phy	1	40
C_Sci	2	40
C_Lit	1	40
Biol	2	40
BAFS	2	40
VA	1	40
C_Hist	1	40
ICT	1	40
Mu	1	40
Subject14	0	40

Step 4: Adjust the maximum number per group for Biology in Table 2 from 40 to 35.

Required data below, then click the "Run" button to pro

Choice 3	Choice 4	Choice 5	Choice 6
Mu	VA	C_Hist	Hist
BAFS	Chem	Mu	VA
Geog	C_Lit	C_Sci	Phy
C_Hist	Econ	C_Sci	Phy
Hist	Econ	Geog	BAFS
Phy	Chem	Geog	Econ
Econ	ICT	Geog	C_Lit
C_Sci	Hist	BAFS	ICT
Econ	C_Lit	ICT	C_Sci
C_Sci	Geog	Econ	BAFS
Geog	C_Hist	VA	Mu
C_Sci	Econ	VA	C_Lit
Geog	Phy	Mu	Hist
ICT	C_Lit	Geog	VA
Phy	Geog	Mu	C_Lit
Econ	C_Hist	Mu	VA

Subject Code	Number of Groups	Maximum Number per Group
Econ	2	40
Geog	1	40
Hist	1	40
Chem	1	40
Phy	1	40
C_Sci	2	40
C_Lit	1	40
Biol	2	35
BAFS	2	40
VA	1	40
C_Hist	1	40
ICT	1	40
Mu	1	40
Subject14	0	40



## Step 6

### Decide the programme run time

By default, the programme run time is 300 second in Table 4. The programme will stop before or when the programme is run for 300 second.

	Hist	C_Sci	BAFS	Biol	Geog	Mu
	ICT	Phy	BAFS	Chem	C_Hist	Econ
	C_Lit	C_Hist	Hist	BAFS	ICT	C_Sci
	BAFS	Econ	Chem	Phy	C_Sci	C_Hist
	BAFS	ICT	C_Sci	Hist	C_Hist	Econ
	Phy	C_Sci	ICT	Mu	VA	C_Hist
	BAFS	Geog	Econ	Biol	ICT	C_Lit
	Econ	Geog	BAFS	C_Sci	C_Lit	C_Hist
	VA	C_Hist	Econ	Geog	BAFS	Phy
	C_Lit	VA	Geog	Econ	BAFS	C_Hist
	Econ	BAFS	Geog	C_Hist	Hist	Chem
	BAFS	Econ	Geog	C_Hist	C_Sci	Biol
	C_Hist	Geog	C_Lit	Biol	Chem	BAFS
	Econ	C_Hist	Hist	Biol	Geog	C_Sci
	BAFS	Econ	C_Hist	Geog	C_Sci	Phy
	Econ	Chem	C_Hist	Mu	ICT	Hist
	ICT	Geog	C_Lit	C_Hist	C_Sci	
	BAFS	Chem	ICT	Econ	Phy	Hist
	...					

Table 4

Program run time to set

300 sec

(If you have entered all information, click here)

# Run

Step 6: Change the programme run time in Table 4 from 300 to 200 second.

	Hist	C_Sci	BAFS	Biol	Geog	Mu
	ICT	Phy	BAFS	Chem	C_Hist	Econ
	C_Lit	C_Hist	Hist	BAFS	ICT	C_Sci
	BAFS	Econ	Chem	Phy	C_Sci	C_Hist
	BAFS	ICT	C_Sci	Hist	C_Hist	Econ
	Phy	C_Sci	ICT	Mu	VA	C_Hist
	BAFS	Geog	Econ	Biol	ICT	C_Lit
	Econ	Geog	BAFS	C_Sci	C_Lit	C_Hist
	VA	C_Hist	Econ	Geog	BAFS	Phy
	C_Lit	VA	Geog	Econ	BAFS	C_Hist
	Econ	BAFS	Geog	C_Hist	Hist	Chem
	BAFS	Econ	Geog	C_Hist	C_Sci	Biol
	C_Hist	Geog	C_Lit	Biol	Chem	BAFS
	Econ	C_Hist	Hist	Biol	Geog	C_Sci
	BAFS	Econ	C_Hist	Geog	C_Sci	Phy
	Econ	Chem	C_Hist	Mu	ICT	Hist
	ICT	Geog	C_Lit	C_Hist	C_Sci	
	BAFS	Chem	ICT	Econ	Phy	Hist
	...					

Table 4

Program run time to set

200 sec

(If you have entered all information, click here)

# Run

## Step 7

### Start running the programme

After enter all the information, then click the “Run” button. The programme will start running.

Table 4

Program	run time	200	sec
to set			

(If you have entered all information, click here)

**Run**

Step 7: Press the “Run” button.

a) View the elective subjects in each elective group in Table 1

	A	B	C	D	E	F	G
1	Table 1		No. Assigned	Max No. Per Class	4A_01	4A_02	4A_03
2	Elective 1	Econ	40	40	1	1	0
3		Geog	33	40	0	0	1
4		Chem	37	40	0	0	0
5		Biol	23	35	0	0	0
6		ICT	22	40	0	0	0
7		slack	0	0	0	0	0
8		slack	0	0	0	0	0
9	slack	0	0	0	0	0	
10	Elective 2	Econ	33				
11		Hist	16				
12		C_Sci	20				
13		Biol	35				
14		BAFS	36				
15		VA	13				
16		slack	0	0	0	0	0
17	slack	0	0	0	0	0	
18	Elective 3	Phy	40	40	0	0	0
19		C_Sci	24	40	0	0	0
20		C_Lit	21	40	1	0	0
21		BAFS	40	40	0	1	0
22		C_Hist	21	40	0	0	0
23		Mu	8	40	0	0	1
24		slack	0	0	0	0	0

A new sheet is generated showing the elective subjects in each elective group in Table 1 of Sheet 1.

**Step 7** cont'

b) When you scroll down the screen of Sheet 1, you will see the satisfaction rate for the allocation in Table 2.

	A	B	C	D	E
28	Re-run		Update Subjects Allocation		
29					
30					
31	<b>Table 2</b>				
32	Total Number of Students	155			
33					
34	Allocation of Subject Choices with Priorities	Number of students	Satisfaction Rate		
35	1st choice assigned	155	100.0%		
36	2nd choice assigned	146	94.2%		
37	3rd choice assigned	127	81.9%		
38	4th choice assigned	18	11.6%		
39	5th choice assigned	10	6.5%		
40	6th choice assigned	6	3.9%		
41	Total	462			
42					
43	Subject assigned	Number of students	Satisfaction Rate		
44	3 subjects assigned	152	98.1%		
45	2 subjects assigned	3	1.9%		
46	1 subject assigned	0	0.0%		
47	Total	155			
48					
49					
50					

c) When you scroll to the right of the screen on Sheet 1, you will see subjects allocated to each student in Table 3.

G	H	I	J	K
	<b>Table 3</b>			
	Name	Elective 1	Elective 2	Elective 3
	4A_01	Econ	VA	C_Lit
	4A_02	Econ	Biol	BAFS
	4A_03	Geog	Biol	Mu
	4A_04	Geog	Econ	C_Lit
	4A_05	Econ	Hist	C_Lit
	4A_06	Chem	Econ	C_Lit
	4A_07	Econ	C_Sci	BAFS
	4A_08	Geog	Econ	C_Sci
	4A_09	Geog	Econ	BAFS
	4A_10	Geog	VA	Mu
	4A_11	Geog	Econ	BAFS
	4A_12	Econ	BAFS	Mu
	4A_13	Geog	Econ	C_Sci
	4A_14	ICT	Econ	BAFS
	4A_15	Econ	BAFS	Phy
	4A_16	Econ	BAFS	Phy
	4A_17	Geog	Econ	BAFS
	4A_18	Geog	Econ	BAFS
	4A_19	Econ	C_Sci	BAFS
	4A_20	Econ	BAFS	C_Lit

**Step 7** cont'

d) When you continue scroll to the right of the screen on Sheet 1, you will see the choices of elective subjects allocated to the students in Table 4.

	L	M	N	O	P	Q	R	S	T
31									
32		<b>Table 4</b>							
33		<b>Student No</b>	<b>Choice 1</b>	<b>Choice 2</b>	<b>Choice 3</b>	<b>Choice 4</b>	<b>Choice 5</b>	<b>Choice 6</b>	
34		4A_01	C_Lit	Econ		VA			
35		4A_02	Biol	Econ	BAFS				
36		4A_03	Biol	Mu	Geog				
37		4A_04	C_Lit	Geog		Econ			
38		4A_05	C_Lit		Hist	Econ			
39		4A_06	C_Lit			Chem		Econ	
40		4A_07	BAFS	C_Sci	Econ				
41		4A_08	Geog	Econ	C_Sci				
42		4A_09	BAFS	Geog	Econ				
43		4A_10	Mu	VA		Geog			
44		4A_11	BAFS	Econ	Geog				
45		4A_12	Mu	BAFS		Econ			
46		4A_13	Econ	C_Sci	Geog				
47		4A_14	Econ	BAFS	ICT				
48		4A_15	Econ	BAFS	Phy				
49		4A_16	BAFS	Phy	Econ				
50		4A_17	BAFS	Econ	Geog				
51		4A_18	BAFS	Geog	Econ				
52		4A_19	BAFS	Econ	C_Sci				
53		4A_20	Econ	BAFS	C_Lit				

e) When you scroll further to the right of the screen on Sheet 1, you will see the name of students assigned to each subject in Table 5.

	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	A
31		<b>Table 5</b>												
32		<b>Elective 1</b>								<b>Elective 2</b>				
33		Econ	Geog	Chem	Biol	ICT	slack	slack	slack	Econ	Hist	C_Sci	Biol	BAFS
34		4A_01	4A_03	4A_06	4A_32	4A_14				4A_04	4A_05	4A_07	4A_02	4A_1
35		4A_02	4A_04	4A_35	4B_22	4A_23				4A_06	4A_30	4A_19	4A_03	4A_1
36		4A_05	4A_08	4B_10	4C_02	4A_29				4A_08	4A_31	4A_36	4B_18	4A_1
37		4A_07	4A_09	4B_12	4C_06	4A_33				4A_09	4A_32	4A_37	4C_03	4A_2
38		4A_12	4A_10	4C_01	4C_08	4A_34				4A_11	4A_34	4B_11	4C_04	4A_2
39		4A_15	4A_11	4C_03	4C_09	4A_36				4A_13	4B_08	4B_34	4C_05	4A_2
40		4A_16	4A_13	4C_04	4C_13	4A_37				4A_14	4B_20	4C_06	4C_11	4A_2
41		4A_19	4A_17	4C_11	4C_14	4B_11				4A_17	4B_28	4C_07	4C_15	4A_2
42		4A_20	4A_18	4C_15	4C_17	4B_30				4A_18	4B_31	4C_09	4C_19	4A_3
43		4A_22	4A_21	4C_19	4C_22	4B_33				4A_21	4B_38	4C_23	4C_20	4B_0
44		4A_25	4A_24	4C_20	4C_23	4B_38				4A_23	4C_08	4C_24	4C_25	4B_0
45		4A_28	4A_26	4C_25	4C_34	4C_12				4A_26	4C_32	4C_28	4C_26	4B_1
46		4A_30	4A_27	4C_26	4C_36	4C_16				4A_27	4D_03	4C_30	4C_27	4B_2
47		4A_31	4B_01	4C_27	4D_03	4C_21				4A_29	4D_08	4C_34	4C_31	4B_2
48		4B_03	4B_02	4C_33	4D_08	4C_28				4A_35	4D_26	4C_37	4C_35	4B_2
49		4B_08	4B_04	4C_35	4D_14	4C_29				4B_01	4D_38	4C_38	4C_39	4B_2
50		4B_09	4B_05	4C_38	4D_17	4C_30				4B_02		4D_09	4D_01	4B_2
51		4B_15	4B_06	4C_39	4D_19	4C_32				4B_05		4D_31	4D_02	4C_0
52		4B_18	4B_07	4C_40	4D_22	4C_37				4B_06		4D_39	4D_05	4C_0
53		4B_21	4B_13	4D_01	4D_23	4D_30				4B_10		4D_40	4D_06	4C_1
54		4B_24	4B_14	4D_02	4D_31	4D_33				4B_14			4D_10	4C_1
55		4B_25	4B_16	4D_06	4D_37	4D_36				4B_16			4D_11	4C_1

### Step 8

#### Re-run the programme (if necessary)

If you are not satisfying with the results generated, you can re-run the programme by pressing the “Re-run” button. Then, the programme will be re-run again.

24		slack	0	0
25		slack	0	0
26		Total	462	462
27				
28		Re-run		Update Subjects Allocation
29				
30				
31	Table 2			
32	Total Number of Students		155	

Step 8: Press the “Re-run” button in sheet 1.

Question	
Show results on new sheet ?	
是(Y)	否(N)
Number of students	Satisfaction Rat

Step 8: A question “Show results on new sheet?” will pop up. Please press the “是 (Y)” button.

**Step 8** cont'

A new set of results will be generated on Sheet 2.

	A	B	C	D	E	F	G
1	<b>Table 1</b>		No. Assigned	Max No. Per Class	4A_01	4A_02	4A_03
2	Elective 1	C_Sci	35	40	0	0	0
3		C_Lit	21	40	1	0	0
4		Biol	35	35	0	0	1
5		BAFS	40	40	0	1	0
6		C_Hist	22	40	0	0	0
7		slack	0	0	0	0	0
8		slack	0	0	0	0	0
9	slack	0	0	0	0	0	
10	Elective 2	Econ	36	40	0	1	0
11		Geog	36	40	0	0	0
12		Phy	40	40	0	0	0
13		C_Sci	14	40	0	0	0
14		ICT	18	40	0	0	0
15		Mu	9	40	1	0	1
16		slack	0	0	0	0	0
17	slack	0	0	0	0	0	
18	Elective 3	Econ	34	40	1	0	0
19		Hist	17	40	0	0	0
20		Chem	35	40	0	0	0
21		Biol	21	35	0	1	0
22		BAFS	33	40	0	0	0
23		VA	13	40	0	0	0
24	slack	0	0	0	0	0	

	A	B	C	D	E
28					
29	Re-run		Update Subjects Allocation		
30					
31	<b>Table 2</b>				
32	Total Number of Students		155		
33					
34	Allocation of Subject Choices with Priorities		Number of students	Satisfaction Rate	
35	1st choice assigned		155	100.0%	
36	2nd choice assigned		144	92.9%	
37	3rd choice assigned		129	83.2%	
38	4th choice assigned		14	9.0%	
39	5th choice assigned		11	7.1%	
40	6th choice assigned		6	3.9%	
41	Total		459		
42					
43	Subject assigned		Number of students	Satisfaction Rate	
44	3 subjects assigned		149	96.1%	
45	2 subjects assigned		6	3.9%	
46	1 subject assigned		0	0.0%	
47	Total		155		
48					
49					
50					

## Step 9

### Manual assign subjects to students

If you are satisfied with the results generated in Sheet1, you may fine tune the results in Table 1.

Table 1		No. Assigned	Max No. Per Class	4B_20	4B_21	4B_22	4B_23
Elective 1	Econ	40	40	0	1	0	0
	Geog	33	40	1	0	0	0
	Chem	37	40	0	0	0	0
	Biol	23	35	0	0	1	0
	ICT	22	40	0	0	0	0
	slack	0	0	0	0	0	0
	slack	0	0	0	0	0	0
	slack	0	0	0	0	0	0
Elective 2	Econ	33	40	0	0	0	0
	Hist	16	40	1	0	0	0
	C_Sci	20	40	0	0	0	0
	Biol	35	35	0	0	0	0
	BAFS	36	40	0	0	0	0
	VA	13	40	0	1	0	0
	slack	0	0	0	0	0	0
	slack	0	0	0	0	0	0
Elective 3	Phy	40	40	0	0	0	0
	C_Sci	24	40	0	0	0	0
	C_Lit	21	40	0	0	1	0
	BAFS	40	40	1	1	0	0
	C_Hist	21	40	0	0	0	0
	Mu	8	40	0	0	0	0
	slack	0	0	0	0	0	0
	slack	0	0	0	0	0	0
	slack	0	0	0	0	0	0
Total		462	462	3	3	2	3

Step 9: On Sheet 1 Table 1, only 2 elective subjects were allocated to student 4B\_22 (No subject has been allocated in Elective 2). Please add "1" to the box for choosing 'Econ' in Elective 2 for student 4B\_22.

Table 1		No. Assigned	Max No. Per Class	4B_20	4B_21	4B_22	4B_23
Elective 1	Econ	40	40	0	1	0	0
	Geog	33	40	1	0	0	1
	Chem	37	40	0	0	0	0
	Biol	23	35	0	0	1	0
	ICT	22	40	0	0	0	0
	slack	0	0	0	0	0	0
	slack	0	0	0	0	0	0
	slack	0	0	0	0	0	0
Elective 2	Econ	34	40	0	0	1	0
	Hist	16	40	1	0	0	0
	C_Sci	20	40	0	0	0	0
	Biol	35	35	0	0	0	0
	BAFS	36	40	0	0	0	0
	VA	13	40	0	1	0	0
	slack	0	0	0	0	0	0
	slack	0	0	0	0	0	0
Elective 3	Phy	40	40	0	0	0	0
	C_Sci	24	40	0	0	0	0
	C_Lit	21	40	0	0	1	0
	BAFS	40	40	1	1	0	1
	C_Hist	21	40	0	0	0	0
	Mu	8	40	0	0	0	0
	slack	0	0	0	0	0	0
	slack	0	0	0	0	0	0
	slack	0	0	0	0	0	0
Total		463	463	3	3	3	3

### Step 10

#### Update subjects allocation

After manual allocate subjects to students in Table 1, you need to update the subjects allocated to students in Table 3, Table 4 and Table 5 by pressing the “Update Subject Allocation” button.

E	F	G	H	I	J	K
			4B_15	Econ	VA	BAFS
			4B_16	Geog	Econ	BAFS
			4B_17	Geog	Econ	BAFS
			4B_18	Econ	Biol	BAFS
			4B_19	Geog	Econ	C_Lit
			4B_20	Geog	Hist	BAFS
			4B_21	Econ	VA	BAFS
			4B_22	Biol	C_Lit	
			4B_23	Geog	Econ	BAFS
			4B_24	Econ	BAFS	C_Hist
			4B_25	Econ	BAFS	C_Lit
			4B_26	Econ	BAFS	C_Hist
			4B_27	Econ	BAFS	C_Lit
			4B_28	Geog	Hist	C_Hist
			4B_29	Econ	BAFS	C_Lit
			4B_30	ICT	Econ	C_Lit
			4B_31	Econ	Hist	C_Hist
			4B_32	Geog	Econ	C_Hist
			4B_33	ICT	VA	Mu
			4B_34	Econ	C_Sci	Phy
			4B_35	Geog	Econ	C_Hist
			4B_36	Geog	Econ	C_Hist
			4B_37	Econ	VA	BAFS
			4B_38	ICT	Hist	BAFS
			4C_01	Chem	BAFS	Phy
			4C_02	Biol	BAFS	Phy

Table 3

M	N	O	P	Q	R	S	T	U
4B_12	BAFS	Chem			Phy			
4B_13	VA	Geog			C_Hist			
4B_14	Geog	Econ				C_Hist		
4B_15	Econ	VA	BAFS					
4B_16	Econ	BAFS	Geog					
4B_17	BAFS	Econ	Geog					
4B_18	BAFS	Econ	Biol					
4B_19	Econ	C_Lit	Geog					
4B_20	BAFS	Geog	Hist					
4B_21	VA	BAFS	Econ					
4B_22	C_Lit		Biol					
4B_23	Econ	BAFS	Geog					
4B_24	BAFS	Econ	C_Hist					
4B_25	C_Lit		Econ		BAFS			
4B_26	BAFS	C_Hist	Econ					
4B_27	BAFS	C_Lit	Econ					
4B_28	C_Hist		Hist	Geog				
4B_29	BAFS	Econ	C_Lit					
4B_30	ICT	Econ		C_Lit				
4B_31	C_Hist		Econ			Hist		
4B_32	Econ	Geog	C_Hist					
4B_33	VA	Mu	ICT					
4B_34	Phy	C_Sci	Econ					
4B_35	Geog	Econ	C_Hist					
4B_36	C_Hist	Econ	Geog					
4B_37	Econ	BAFS	VA					

Table 4

**Step 10** cont'

**Update subjects allocation**

<b>Elective 2</b>					
Econ	Hist	C_Sci	Table 5		VA
4A_04	4A_05	4A_07	4A_02	4A_12	4A_01
4A_06	4A_30	4A_19	4A_03	4A_15	4A_10
4A_08	4A_31	4A_36	4B_18	4A_16	4B_03
4A_09	4A_32	4A_37	4C_03	4A_20	4B_04
4A_11	4A_34	4B_11	4C_04	4A_22	4B_13
4A_13	4B_08	4B_34	4C_05	4A_24	4B_15
4A_14	4B_20	4C_06	4C_11	4A_25	4B_21
4A_17	4B_28	4C_07	4C_15	4A_28	4B_33
4A_18	4B_31	4C_09	4C_19	4A_33	4B_37
4A_21	4B_38	4C_23	4C_20	4B_07	4C_22
4A_23	4C_08				
4A_26	4C_32				
4A_27	4D_03				
4A_29	4D_08				
4A_35	4D_26				
4B_01	4D_38				
4B_02		4D_09	4D_01	4B_29	
4B_05		4D_31	4D_02	4C_01	
4B_06		4D_39	4D_05	4C_02	
4B_10		4D_40	4D_06	4C_10	
4B_14			4D_10	4C_13	
4B_16			4D_11	4C_14	
4B_17			4D_12	4C_17	
4B_19			4D_13	4C_18	
4B_23			4D_15	4C_21	
4B_30			4D_16	4C_29	
4B_32			4D_18	4C_33	
4B_35			4D_20	4C_36	

Please note that student 4B\_22 does not appear under 'Econ' of Elective 2 before updating.

A	B	C	D	E
slack		0	0	0
slack		0		
Phy		40		
C_Sci		24		
C_Lit		21		
BAFS		40		
C_Hist		21		
Mu		8	40	0
slack		0	0	0
slack		0	0	0
Total		463	463	3

Step 9: Press the "Update Subjects Allocation" button.

Re-run		Update Subjects Allocation	
Students	155		
Subject Choices with Priorities	Number of students	Satisfaction Rate	
Selected	155	100.0%	
Not Selected	146	94.2%	
Not Selected	127	81.9%	
Not Selected	18	11.6%	

**Step 10** cont'

**Update subjects allocation**

H	I	J	K	L	M	N	O	P	Q	R	S
4B_11	ICT	C_Sci	C_Lit		4B_11	ICT		C_Lit		C_Sci	
4B_12			y		4B_12	BAFS	Ch			Phy	
4B_13			Hist		4B_13	VA	Ge			C_Hist	
4B_14			Hist		4B_14	Geog	Eco				C_Hist
4B_15	Econ	VA	BAFS		4B_15	Econ	VA	BAFS			
4B_16	Geog	Econ	BAFS		4B_16	Econ	BAFS	Geog			
4B_17	Geog	Econ	BAFS		4B_17	BAFS	Econ	Geog			
4B_18	Econ	Biol	BAFS		4B_18	BAFS	Econ	Biol			
4B_19	Geog	Econ	C_Lit		4B_19	Econ	C_Lit	Geog			
4B_20	Geog	Hist	BAFS		4B_20	BAFS	Geog	Hist			
4B_21	Econ	VA	BAFS		4B_21	VA	BAFS	Econ			
4B_22	Biol	Econ	C_Lit		4B_22	C_Lit		Biol			
4B_23	Geog	Econ	BAFS		4B_23	Econ	BAFS	Geog			
4B_24	Econ	BAFS	C_Hist		4B_24	BAFS	Econ	C_Hist			
4B_25	Econ	BAFS	C_Lit		4B_25	C_Lit		Econ		BAFS	
4B_26	Econ	BAFS	C_Hist		4B_26	BAFS	C_Hist	Econ			
4B_27	Econ	BAFS	C_Lit		4B_27	BAFS	C_Lit	Econ			
4B_28	Geog	Hist	C_Hist		4B_28	C_Hist		Hist	Geog		
4B_29	Econ	BAFS	C_Lit		4B_29	BAFS	Econ	C_Lit			
4B_30	ICT	Econ	C_Lit		4B_30	ICT		Econ	C_Lit		
4B_31	Econ	Hist	C_Hist		4B_31	C_Hist		Econ			Hist
4B_32	Geog	Econ	C_Hist		4B_32	Econ	Geog	C_Hist			
4B_33	ICT	VA	Mu		4B_33	VA	Mu	ICT			
4B_34	Econ	C_Sci	Phy		4B_34	Phy	C_Sci	Econ			
4B_35	Geog	Econ	C_Hist		4B_35	Geog	Econ	C_Hist			
4B_36	Geog	Econ	C_Hist		4B_36	C_Hist	Econ	Geog			
4B_37	Econ	VA	BAFS		4B_37	Econ	BAFS	VA			
4B_38	ICT	Hist	BAFS		4B_38	ICT	BAFS	Hist			

Table 3

Table 4

In Table 3, 'Econ' is added to Elective 2 of the Student 4B\_22.

In Table 4, since 'Econ' is not one of the six choices of the Student 4B\_22, therefore it will not be shown on this table.

AC	AD	AE	AF	AG	AH
<b>Elective 2</b>					
Econ	Hist	C_Sci	Biol	VA	
4A_04	4A_05	4A_07	4A_02	4A_12	4A_01
4A_06	4A_30	4A_19	4A_03	4A_15	4A_10
4A_08	4A_31	4A_36	4B_18	4A_16	4B_03
4A_09	4A_32	4A_37	4C_03	4A_20	4B_04
4A_11	4A_34	4B_11	4C_04	4A_22	4B_13
4A_13	4B_08	4B_34	4C_05	4A_24	4B_15
4A_14	4B_20	4C_06	4C_11	4A_25	4B_21
4A_17	4B_28	4C_07	4C_15	4A_28	4B_33
4A_18	4B_31	4C_09	4C_19	4A_33	4B_37
4A_21	4B_38	4C_23	4C_20	4B_07	
4A_23	4C_08	4C_24	4C_25	4B_09	
4A_26	4C_32	4C_28	4C_26	4B_12	
4A_27	4D_03	4C_30	4C_27	4B_24	
4A_29	4D_08	4C_34	4C_31	4B_25	
4A_35	4D_26	4C_37	4C_35	4B_26	
4B_01	4D_38	4C_38	4C_39	4B_27	
4B_02		4D_09	4D_01	4B_29	
4B_05		4D_31	4D_02	4C_01	
4B_06		4D_39	4D_05	4C_02	
4B_10		4D_40	4D_06	4C_10	
4B_14			4D_10	4C_13	
4B_16			4D_11	4C_14	
4B_17			4D_12	4C_17	
4B_19			4D_13	4C_18	
4B_22			4D_15	4C_21	
4B_23			4D_16	4C_29	
4B_30			4D_18	4C_33	

Table 5

Student 4B\_22 appears in Table 5 after updating.