

Additional Detailed explanation for “Non-interactive online seat allotment process”

In addition to the information already provided in the User Hand Book Instruction Manual issued to the candidates during document verification, these detailed instructions are appended herewith based on your queries via e-mail / Facebook.

Option Entry

Candidates can enter the options of multiple disciplines like Medical, Engineering, ISM&H and Architecture together in the order of priority as per their eligibility.

Allotment Procedure

The allotment of a seat for a particular student is based on his/her rank, entered options and availability of seat as per his/her option entered. The detail procedure adopted in the software is given below.

Round : once the document verification is over students are asked to make entry of options. Each option entry has a start date and closing date this is followed by an allotment. The students are asked to entry fresh options multiple times if they are not satisfied of allotment. Each fresh option schedule defines a new round.

Iteration : in each round there is an internal process called iteration. Iteration means trying all the options of the students repeatedly more than once for each stream viz Medical, ISM&H, Engineering and Architecture. During the iterations system tries to allot best option to students without asking fresh options. The iteration cycle is as follows.

- a) Medical
- b) ISM & H
- c) Engineering
- d) Architecture

One cycle of allotment from ‘a’ to ‘d’ mentioned above constitutes one iteration.

- The system is designed to execute the allotment module in multiple rounds and iterations to ensure no seat / option is left out.
- During each round one or more iteration will be executed.
- During the iterations of one round there is a scope of improving the already allotted seat in the earlier iteration in terms of options priority and roster priority as explained below.

Example :

1) Option priority – improving options

Priority	College- course
1	E001CS
2	E003ME
3	E101CS
4	E085EC
5	E005CS

Here the candidate is allotted 5th option in first iteration. In second iteration

Priority	College- course
1	E001CS
2	E003ME
3	E101CS
4	E085EC
5	E005CS

The candidate got 3rd option and leaves seat of 5th option, The candidate has climbed from 5th to 3rd and the remaining lower options are got disabled.

2) Roster priority – improving the same seat above the roster

In iteration 3 system considers the options 1 to 3 .

Priority	College- course
1	E001CS
2	E003ME
3	E101CS

Since no seats are available for Option 1 and 2, system tries to improve the roster of 3rd option already allotted (if possible).

Assume that there is a seat available under GM for option – 3 of his/her options entry now the system compare the roster code and allows to return the SCG seat to seat pool and allot GM seat as SCG is lower roster than GM and no SNQ seat available at this stage.

This roster order is given below for SCG roster

Candidate Category	Eligible category	Roster Order
SCG	SNQ	0
	GM	1
	SCG	2

The candidate is allotted an SCG seat in the previous iteration and since a GM seat is available now for option 3, system allots GM seat by leaving SCG seat. This improves the category of seat allotted to roster above.

In the same manner all the categories get improved as per roster. The detailed roster order is published in KEA website.

SEAT ALLOTMENT LOGIC

*SPECIAL CATEGORY ALLOTMENT	ROUND -1	ROUND -2	ROUND -3
PHYSICAL HANDICAP	AS PER RANK	AS PER RANK	NOT ALLOWED
NCC	PRIORITY,RANK	PRIORITY,RANK	
SPORTS	PRIORITY,RANK	PRIORITY,RANK	
JAMMU & KARSMIR	AS PER RANK	AS PER RANK	

* Executed before allotment of General Roster Admission Round and General Roster Category Round After the above two rounds vacant seats are converted to “GM” and allotted in **Round -3**.

CLAIMED CATEGORY	ROUND 1		ROUND 2		ROUND 3	
	ELIGIBLE CATEGORY	PRIORITY	ELIGIBLE CATEGORY	PRIORITY	ELIGIBLE CATEGORY	PRIORITY
1G	SNQ	0			SNQ	0
	GM	1			GM	1
	1G	2	1G	2	1G	2
	**SPL	9	**SPL	9	**SPL	9
1GK	SNQ	0			SNQ	0
	GM	1			GM	1
	GMK	2	GMK	2	GMK	2
	1G	3	1G	3	1G	3
	1K	4	1K	4	1K	4
	**SPL	9	**SPL	9	**SPL	9
1GR	SNQ	0			SNQ	0
	GM	1			GM	1
	GMR	2	GMR	2	GMR	2
	1G	3	1G	3	1G	3
	1R	4	1R	4	1R	4
	**SPL	9	**SPL	9	**SPL	9
1GRK	SNQ	0			SNQ	0
	GM	1			GM	1
	GMK	2	GMK	2	GMK	2
	GMR	3	GMR	3	GMR	3
	1G	4	1G	4	1G	4
	1K	5	1K	5	1K	5
	1R	6	1R	6	1R	6
	**SPL	9	**SPL	9	**SPL	9
2AG	SNQ	0			SNQ	0
	GM	1			GM	1
	2AG	2	2AG	2	2AG	2
	**SPL	9	**SPL	9	**SPL	9
2AGK	SNQ	0			SNQ	0
	GM	1			GM	1
	GMK	2	GMK	2	GMK	2
	2AG	3	2AG	3	2AG	3
	2AK	4	2AK	4	2AK	4
	**SPL	9	**SPL	9	**SPL	9
2AGR	SNQ	0			SNQ	0
	GM	1			GM	1
	GMR	2	GMR	2	GMR	2
	2AG	3	2AG	3	2AG	3
	2AR	4	2AR	4	2AR	4
	**SPL	9	**SPL	9	**SPL	9
2AGRK	SNQ	0			SNQ	0
	GM	1			GM	1
	GMK	2	GMK	2	GMK	2
	GMR	3	GMR	3	GMR	3
	2AG	4	2AG	4	2AG	4
	2AK	5	2AK	5	2AK	5
	2AR	6	2AR	6	2AR	6
	**SPL	9	**SPL	9	**SPL	9
2BG	SNQ	0			SNQ	0

** Following additional special category will be considered for seat allotment if candidate is eligible and not allotted any seat in above roster and seat is available under additional special category.

Additional Special Category - Defence, Ex-Defence, Scouts-Guides, Anglo-Indian, Defence-Karnataka and CAPF.

CLAIMED CATEGORY	ROUND 1		ROUND 2		ROUND 3	
	ELIGIBLE CATEGORY	PRIORITY	ELIGIBLE CATEGORY	PRIORITY	ELIGIBLE CATEGORY	PRIORITY
2BG	GM	1			GM	1
	2BG	2	2BG	2	2BG	2
	**SPL	9	**SPL	9	**SPL	9
2BGK	SNQ	0			SNQ	0
	GM	1			GM	1
	GMK	2	GMK	2	GMK	2
	2BG	3	2BG	3	2BG	3
	2BK	4	2BK	4	2BK	4
	**SPL	9	**SPL	9	**SPL	9
2BGR	SNQ	0			SNQ	0
	GM	1			GM	1
	GMR	2	GMR	2	GMR	2
	2BG	3	2BG	3	2BG	3
	2BR	4	2BR	4	2BR	4
	**SPL	9	**SPL	9	**SPL	9
2BGRK	SNQ	0			SNQ	0
	GM	1			GM	1
	GMK	2	GMK	2	GMK	2
	GMR	3	GMR	3	GMR	3
	2BG	4	2BG	4	2BG	4
	2BK	5	2BK	5	2BK	5
	2BR	6	2BR	6	2BR	6
	**SPL	9	**SPL	9	**SPL	9
3AG	SNQ	0			SNQ	0
	GM	1			GM	1
	3AG	2	3AG	2	3AG	2
	**SPL	9	**SPL	9	**SPL	9
3AGK	SNQ	0			SNQ	0
	GM	1			GM	1
	GMK	2	GMK	2	GMK	2
	3AG	3	3AG	3	3AG	3
	3AK	4	3AK	4	3AK	4
	**SPL	9	**SPL	9	**SPL	9
3AGR	SNQ	0			SNQ	0
	GM	1			GM	1
	GMR	2	GMR	2	GMR	2
	3AG	3	3AG	3	3AG	3
	3AR	4	3AR	4	3AR	4
	**SPL	9	**SPL	9	**SPL	9
3AGRK	SNQ	0			SNQ	0
	GM	1			GM	1
	GMK	2	GMK	2	GMK	2
	GMR	3	GMR	3	GMR	3
	3AG	4	3AG	4	3AG	4
	3AK	5	3AK	5	3AK	5
	3AR	6	3AR	6	3AR	6
	**SPL	9	**SPL	9	**SPL	9
3BG	SNQ	0			SNQ	0
	GM	1			GM	1

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CLAIMED CATEGORY	ROUND 1		ROUND 2		ROUND 3	
	ELIGIBLE CATEGORY	PRIORITY	ELIGIBLE CATEGORY	PRIORITY	ELIGIBLE CATEGORY	PRIORITY
3BG	3BG	2	3BG	2	3BG	2
	**SPL	9	**SPL	9	**SPL	9
3BGK	SNQ	0			SNQ	0
	GM	1			GM	1
	GMK	2	GMK	2	GMK	2
	3BG	3	3BG	3	3BG	3
	3BK	4	3BK	4	3BK	4
	**SPL	9	**SPL	9	**SPL	9
3BGR	SNQ	0			SNQ	0
	GM	1			GM	1
	GMR	2	GMR	2	GMR	2
	3BG	3	3BG	3	3BG	3
	3BR	4	3BR	4	3BR	4
	**SPL	9	**SPL	9	**SPL	9
3BGRK	SNQ	0			SNQ	0
	GM	1			GM	1
	GMK	2	GMK	2	GMK	2
	GMR	3	GMR	3	GMR	3
	3BG	4	3BG	4	3BG	4
	3BK	5	3BK	5	3BK	5
	3BR	6	3BR	6	3BR	6
	**SPL	9	**SPL	9	**SPL	9
GM	SNQ	0			SNQ	0
	GM	1			GM	1
	**SPL	9	**SPL	9	**SPL	9
GMK	SNQ	0			SNQ	0
	GM	1			GM	1
	GMK	2	GMK	2	GMK	2
	**SPL	9	**SPL	9	**SPL	9
GMR	SNQ	0			SNQ	0
	GM	1			GM	1
	GMR	2	GMR	2	GMR	2
	**SPL	9	**SPL	9	**SPL	9
GMRK	SNQ	0			SNQ	0
	GM	1			GM	1
	GMK	2	GMK	2	GMK	2
	GMR	3	GMR	3	GMR	3
	**SPL	9	**SPL	9	**SPL	9
SCG	SNQ	0			SNQ	0
	GM	1			GM	1
	SCG	2	SCG	2	SCG	2
	**SPL	9	**SPL	9	**SPL	9
SCGK	SNQ	0			SNQ	0
	GM	1			GM	1
	GMK	2	GMK	2	GMK	2
	SCG	3	SCG	3	SCG	3
	SCK	4	SCK	4	SCK	4
	**SPL	9	**SPL	9	**SPL	9
SCGR	SNQ	0			SNQ	0

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CLAIMED CATEGORY	ROUND 1		ROUND 2		ROUND 3	
	ELIGIBLE CATEGORY	PRIORITY	ELIGIBLE CATEGORY	PRIORITY	ELIGIBLE CATEGORY	PRIORITY
SCGR	GM	1			GM	1
	GMR	2	GMR	2	GMR	2
	SCG	3	SCG	3	SCG	3
	SCR	4	SCR	4	SCR	4
	**SPL	9	**SPL	9	**SPL	9
SCGRK	SNQ	0			SNQ	0
	GM	1			GM	1
	GMK	2	GMK	2	GMK	2
	GMR	3	GMR	3	GMR	3
	SCG	4	SCG	4	SCG	4
	SCK	5	SCK	5	SCK	5
	SCR	6	SCR	6	SCR	6
**SPL	9	**SPL	9	**SPL	9	
STG	SNQ	0			SNQ	0
	GM	1			GM	1
	STG	2	STG	2	STG	2
	**SPL	9	**SPL	9	**SPL	9
STGK	SNQ	0			SNQ	0
	GM	1			GM	1
	GMK	2	GMK	2	GMK	2
	STG	3	STG	3	STG	3
	STK	4	STK	4	STK	4
	**SPL	9	**SPL	9	**SPL	9
STGR	SNQ	0			SNQ	0
	GM	1			GM	1
	GMR	2	GMR	2	GMR	2
	STG	3	STG	3	STG	3
	STR	4	STR	4	STR	4
	**SPL	9	**SPL	9	**SPL	9
STGRK	SNQ	0			SNQ	0
	GM	1			GM	1
	GMK	2	GMK	2	GMK	2
	GMR	3	GMR	3	GMR	3
	STG	4	STG	4	STG	4
	STK	5	STK	5	STK	5
	STR	6	STR	6	STR	6
	**SPL	9	**SPL	9	**SPL	9

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