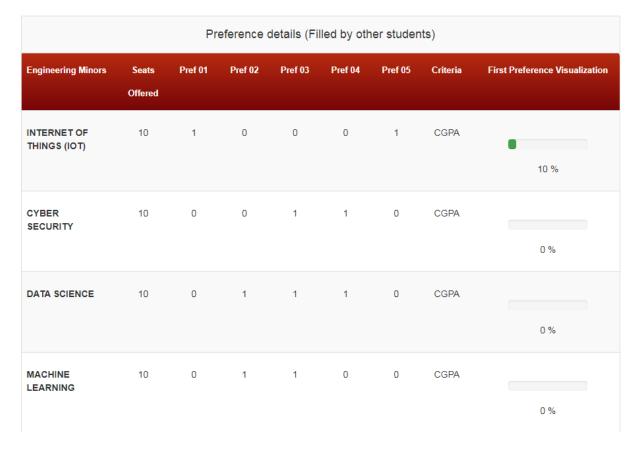## User Manual for using Engineering Minor Interface for Preferences

STEP-1

As soon as student confirms that **"I have read all the instructions carefully"** he/she will be redirected to the interface for giving the Preferences for their Engineering Minors. In the interface for giving Preference for Engineering Minor, form will be displayed to the student as per image given below:
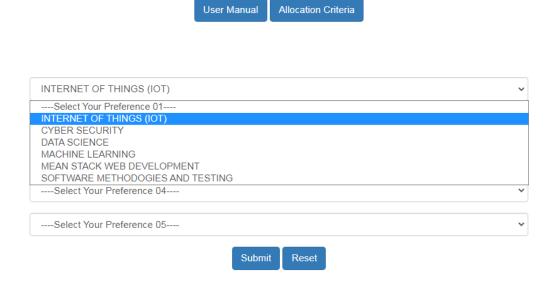

Preference details (Filled by other students)

Engineering Minors	Seats Offered	Pref 01	Pref 02	Pref 03	Pref 04	Pref 05	Criteria	First Preference Visualization
INTERNET OF THINGS (IOT)	10	1	0	0	0	1	CGPA	10 %
CYBER SECURITY	10	0	0	1	1	0	CGPA	0 %
DATA SCIENCE	10	0	1	1	1	0	CGPA	0 %
MACHINE LEARNING	10	0	1	1	0	0	CGPA	0 %

This form displays the data in total 9 columns:

1. **Engineering Minors:** This column displays the names of all the Engineering Minors offered to the student.
2. **Seats Offered:** Under this column, no of seats offered for each of the Engineering Minor has been provided.
3. **Preference 01 filled by other students:** This column gives the count of students, who have filled particular Engineering Minor as their 1st Preference.

4. **Preference 02 filled by other students:** This column gives the count of students, who have filled particular Engineering Minor as their 2nd Preference.
5. **Preference 03 filled by other students:** This column gives the count of students, who have filled particular Engineering Minor as their 3rd Preference. (This column shall be applicable only for those students, who are supposed to give 3 preferences for their Engineering Minors as per their program scheme).
6. **Preference 04 filled by other students:** This column gives the count of students, who have filled particular Engineering Minor as their 4th Preference. (This column shall be applicable only for those students, who are supposed to give 5 preferences for their Engineering Minors as per their program scheme).
7. **Preference 05 filled by other students:** This column gives the count of students, who have filled particular Engineering Minor as their 5th Preference. (This column shall be applicable only for those students, who are supposed to give 5 preferences for their Engineering Minors as per their program scheme).
8. **Criteria:** This column specifies the allocation criteria applicable for particular Engineering Minor, as specified by the respective School.
9. **First Preference Visualization:** This column gives the view of Preference 1 only, in terms of percentage of students opting preference 1. If the count of students those have selected particular EM, is less than the number of seats offered, then bar is displayed in green colour. If the count of students having preference 1 for particular EM is equal to the number of seats offered, then it will be displayed in Yellow Colour, else in Red Colour.
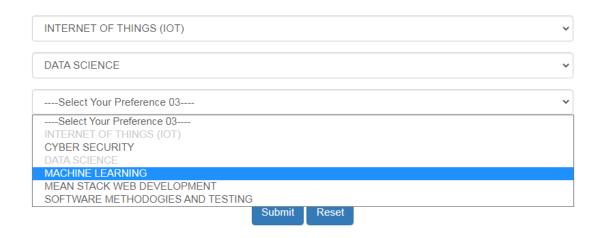
STEP-2

Each student is required to provide 2, 3 or 5 Preferences (according to their program scheme) as their choice. 3rd, 4th and 5th dropdown list will be disabled for those students, who are supposed to give only 2 preferences as their choice. For filling the preferences, dropdown lists have been provided at the top of the interface, as per image given below.

Students can click these dropdown lists for giving their preferences. For example, as in dropdown list 1, "**Select Your Preference 01**", Engineering Minors applicable to the students will be visible. Student can select any of the Engineering Minors, as per the details provided.

Note: If a student has selected particular Engineering Minor as Preference 1, then he/she shall not be able to select it as Preference 2, 3, 4 or 5. Selected Preference from any of the dropdown lists will be disabled in other four dropdown lists, as shown in image below:

STEP-3

Once student has selected all the preferences applicable, then the student is required to click on the submit button.

As soon as student clicks on the submit button, pop-up window will be displayed as in figure below. In this pop-up window, CGPA of the student at the time of filling preferences has been displayed. Also, 3 columns have been provided (0 to 4.99, 5 to 7.99 and >=8). Column with heading **0-4.99** gives count of the students whose CGPA lies in this particular range and have given particular EM as their corresponding preference 1, 2, 3, 4 or 5. Similarly, column with heading **5-7.99** gives count of the students whose CGPA lies in this particular range and has given particular EM as their corresponding preference 1, 2, 3, 4 or 5. Same has been provided for the range >=8 also. This might help the students to take much better decision for giving preferences for the Engineering Minors.

CGPA Distribution Data
(For your selected preferences)

Your Current CGPA ::8.61

Area Name	Preference	0 to 4.99	5 to 7.99	>= 8
DATA SCIENCE	1	50	983	185
MACHINE LEARNING	2	25	416	95
INTERNET OF THINGS (IOT)	3	36	381	37

Do You Wish To Continue For Your Final Submission ?   Yes   No

As per the data provided, if a student feels that he/she needs to change the preferences before final confirmation, then he/she can do so by clicking on **NO** button. As soon as student clicks on No button, pop-up window shall be closed and then student can click on the **Reset** button

provided, to clear all the preferences made. But if a student feels that no changes are to be done in the preferences given and do not want to make any changes, then he/she can click on **Yes** button for final submission. Once **Yes** button has been clicked by the student, then he/she will not be able to change the preferences given and final window with preferences given by the student will be displayed as below:

Area Preferences Successfully Submitted

Your Selected Preferences

Preference 01 DATA SCIENCE
Preference 02 MACHINE LEARNING
Preference 03 INTERNET OF THINGS (IOT)
Preference 04 MEAN STACK WEB DEVELOPMENT
Preference 05 CYBER SECURITY