ANNEXURE – IV

NORMALIZATION PROCEDURE

Candidates are aware that the AP EAPCET-2026 (MPC and Bi.PC Streams) will be conducted from 12-05-2026 to 15-05-2026 and 18-5-2026 to 20-05-2026 in multiple sessions.
APEAPCET-2026 is being conducted in multiple sessions based on the same syllabus, same pattern for candidates having the same eligibility criteria. A candidate will be eligible to appear only in one session. Since the question paper will be different for each session, there is a possibility that the candidates compare themselves about the variation in the difficulty level of questions. However, it may be noted that utmost care will be taken so that all the papers are of the same standard. Further, it is decided to adopt a normalization process to eliminate any such variations in the difficulty level of various sessions.

What is Normalization?

Normalization, as used in the Indian context, is a process for ensuring the students neither advantaged nor disadvantaged by the difficulty of examinations conducted in multiple sessions. This process is based on a simple formula which has been adopted as recommended by the experts from reputed educational institutions at all India level and Universities. The process is being implemented in other all India / Nationwide entrance tests for admission into undergraduate and graduate professional courses. Normalization process ranks all the candidates across all sessions on a comparative scale. In any normalization process, the marks of the easier session may be reduced marginally and the marks of the harder paper may increase marginally on the global level, depending on the average performance in each session. If there is no much difference in the averages between the two sessions then there won‟t be much difference in the normalized marks as well. Normalizing marks would justify the candidates while protecting their actual performance.

AP EAPCET marks Normalization Process:

The main aim of the normalization is to justify the candidates who got a difficult paper compared to an easier paper. Hence, the task is to rationalize in the best possible sense and rank the candidates based on the global performance. Various national level examination bodies like JEE (Main), GATE etc. are currently adopting such normalization procedures. Correspondingly, EAPCET committee has deliberated extensively and decided to use the following normalization procedure.

Normalized Marks of the candidate

$$GMS + \frac{Top\ Average\ Global - GMS}{Top\ Average\ Session - SMS} \times (\ Marks\ Obtained\ by\ Candidate - SMS\ )$$

where

SMS: (Average + Standard Deviation) of the session in which the candidate belongs to

GMS: (Average + Standard Deviation) of all the candidates across all sessions together

Top Average Session: Average marks of the top 0.1% of the candidates in the session in

which the candidate belongs to
Top Average Global: Average marks of the top 0.1% of all the candidates across all sessions together

Weightage for assigning merit ranks:
75% of AP EAPCET normalized marks and 25% of Intermediate Marks in group subjects to prepare the rank.

Note:

- For Candidates having qualifying marks in AP EAPCET-2026, if after normalization, the marks(s) in any individual subject(s) become negative, then the normalized mark(s) in the respective subject(s) are treated as zero. However, total marks in three subjects are considered as EAPCET marks.
- For the candidates for whom there is no qualifying cut-off in AP EAPCET - 2026, if the marks in all the three subjects after normalization go below zero (negative), the total marks are treated as zero and the rank is assigned. If the tie persists then APEAPCET 2026 normalization marks (though negative are considered for breaking the tie).

Demonstration with a sample data:

The following is based on sample data to explain the normalization process. The data is based on an almost equal number of candidates in all four sessions. The normalization is shown subject wise so that students get the benefit based on subject wise performance rather than the entire paper in a session.
Averages and Standard Deviations in a particular session and averages of top 0.1% candidates of a particular session, Global Average and Standard Deviations of all sessions together, Averages of top 0.1% candidates in all sessions is given in Table

1. Example data of normalized marks is shown in Table 2 to Table 5.

Table 1: Averages and Standard Deviations of sample data

		Maths	Physics	Chemistry
Session1	Avg	27.01245	11.44816	13.56629
	Std_Dev	10.23632	4.135746	5.939418
	Top 0.1% Avg	74.28	37.93	37.7
Session2	Avg	27.23746	11.49711	13.69626
	Std_Dev	10.38974	4.177132	6.005731
	Top 0.1% Avg	74.85	38.03	37.93
Session3	Avg	23.8686	10.25933	13.55555
	Std_Dev	7.717783	3.20095	5.403734
	Top 0.1% Avg	70.05	35.55	39
Session4	Avg	23.95383	10.2931	13.55808
	Std_Dev	7.793973	3.212227	5.460391
	Top 0.1% Avg	70.18	36.4	39.38
All sessions together	*Global_Avg*	*25.52725*	*10.87743*	*13.60516*
	Global_Std_Dev	9.252138	3.764241	5.718592
	Top 0.1% Global Avg	73.92	37.65	38.74

Table 2: Example of Normalized marks in Session 1:

Candidate	Marks	Maths	Physics	Chemistry	Total
C1	Actual Marks	0	0	0	0
	Normalized Marks	-4.6	-1.407	-1.49	-7.498
C2	Actual Marks	8	3	5	16
	Normalized Marks	3.857	1.682	3.845	9.385
C3	Actual Marks	61	16	25	102
	Normalized Marks	59.89	15.07	25.19	100.1
C4	Actual Marks	76	36	38	150
	Normalized Marks	75.75	35.67	39.06	150.5

Table 3: Example of Normalized marks in Session 2:

Candidate	Marks	Maths	Physics	Chemistry	Total
C1	Actual Marks	1	3	4	8
	Normalized Marks	-3.74	1.595	2.595	0.451
C2	Actual Marks	14	9	2	25
	Normalized Marks	9.932	7.771	0.464	18.17
C3	Actual Marks	48	24	33	105
	Normalized Marks	45.69	23.21	33.49	102.4
C4	Actual Marks	78	38	39	155
	Normalized Marks	77.24	37.62	39.88	154.7

Table 4: Example of Normalized marks in Session 3:

Candidate	Marks	Maths	Physics	Chemistry	Total
C1	Actual Marks	0	0	0	0
	Normalized Marks	2.634	0.622	0.957	4.21
C2	Actual Marks	10	5	1	16
	Normalized Marks	12.81	5.83	1.926	20.6
C3	Actual Marks	50	17	31	98
	Normalized Marks	53.52	18.33	30.99	103
C4	Actual Marks	74	39	38	151
	Normalized Marks	77.94	41.24	37.77	157

Table 5: Example of Normalized marks in Session 4:

Candidate	Marks	Maths	Physics	Chemistry	Total
C1	Actual Marks	4	1	2	7
	Normalized Marks	6.457	1.97	2.935	11.4
C2	Actual Marks	19	7	9	35
	Normalized Marks	21.75	8.018	9.641	39.4
C3	Actual Marks	13	6	16	35
	Normalized Marks	15.63	7.01	16.35	39
C4	Actual Marks	67	9	24	100
	Normalized Marks	70.69	10.03	24.01	105
C5	Actual Marks	57	8	35	100
	Normalized Marks	60.49	9.025	34.55	104
C6	Actual Marks	80	38	40	158
	Normalized Marks	83.94	39.26	39.34	163

ANNEXURE – V

CRITERIA FOR RANKING (AP EAPCET – 2026 "E CATEGORY")

The candidates who have secured qualifying marks in AP EAPCET-2026 and candidates belonging to the category of Scheduled Caste and Schedule Tribe, for whom qualifying marks have not been prescribed, shall be assigned ranking in the order of merit based on combined score obtained by giving 75% weightage to the marks secured in AP EAPCET- 2026 and 25% weightage to the marks secured in the relevant group subjects namely Mathematics, Physics, Chemistry of the qualifying examination.

For the preparation of the merit list, in case of more than one student securing the same combined score obtained as mentioned above, the tie shall be resolved to decide the relative ranking by successively considering the following

(I) The total marks secured in AP EAPCET-2026
(II) The Marks secured in mathematics in AP EAPCET-2026
(III) The marks secured in Physics in AP EAPCET-2026
(IV) If the tie persists, same rank will be given and the older (based on date of birth) will be given preference over the younger at the time of admissions.

The weightage of marks in the case of candidates belonging to the category of Persons of Indian Origin (PIO) / Overseas Citizen of India (OCI) Card Holders, will be decided by a committee constituted by the competent authority.