

## Faculty Evaluation Survey 2022-23

The Faculty Evaluation for 2022-23 was conducted students' portal through LMS. Using the portal has increased the overall response rate and prompt response. The overall response rate was much higher than previously paper-based surveys or through google forms. The surveys were analyzed using R Statistical Programming and found various aggregated trends. It is worth mentioning that faculty evaluation was merged in the Students Course Evaluation Form to collect maximum response. Later on both survey forms were separated during the analysis.

The Faculty Evaluation Survey Forms has been provided with various questionnaires to assess various aspects of teaching and faculty perspective. The questionnaire have been assigned short names for analysis.

Below tabulated are the questions with their short names alongside detailed Questions used in the survey form:

Questionnaire description in Faculty Evaluation

Qshort	Indicator	Questions
FACEV05	Faculty.Eval	The Teacher provides the Lecture schedule on the very first lecture
FACEV06	Faculty.Eval	The Teacher provides the Lecture outlines before delivering the lecture
FACEV07	Faculty.Eval	The Teacher is prepared for each class
FACEV08	Faculty.Eval	The Teacher demonstrates knowledge of the subject
FACEV09	Faculty.Eval	The Teacher has completed the whole course
FACEV10	Faculty.Eval	The Teacher provides additional material apart from the textbook
FACEV11	Faculty.Eval	The Teacher gives citations regarding current situations with reference to Pakistani context.
FACEV12	Faculty.Eval	The Teacher communicates the subject matter effectively
FACEV13	Faculty.Eval	The Teacher shows respect towards students and encourages class participation
FACEV14	Faculty.Eval	The Teacher maintains an environment that is conducive to learning
FACEV15	Faculty.Eval	The Teacher arrives on time
FACEV16	Faculty.Eval	The Teacher leaves on time
FACEV17	Faculty.Eval	The Teacher is fair in examination
FACEV18	Faculty.Eval	The Teacher returns the graded scripts etc. in a reasonable amount of time
FACEV19	Faculty.Eval	The Teacher was available during the specified office hours and for after class consultations

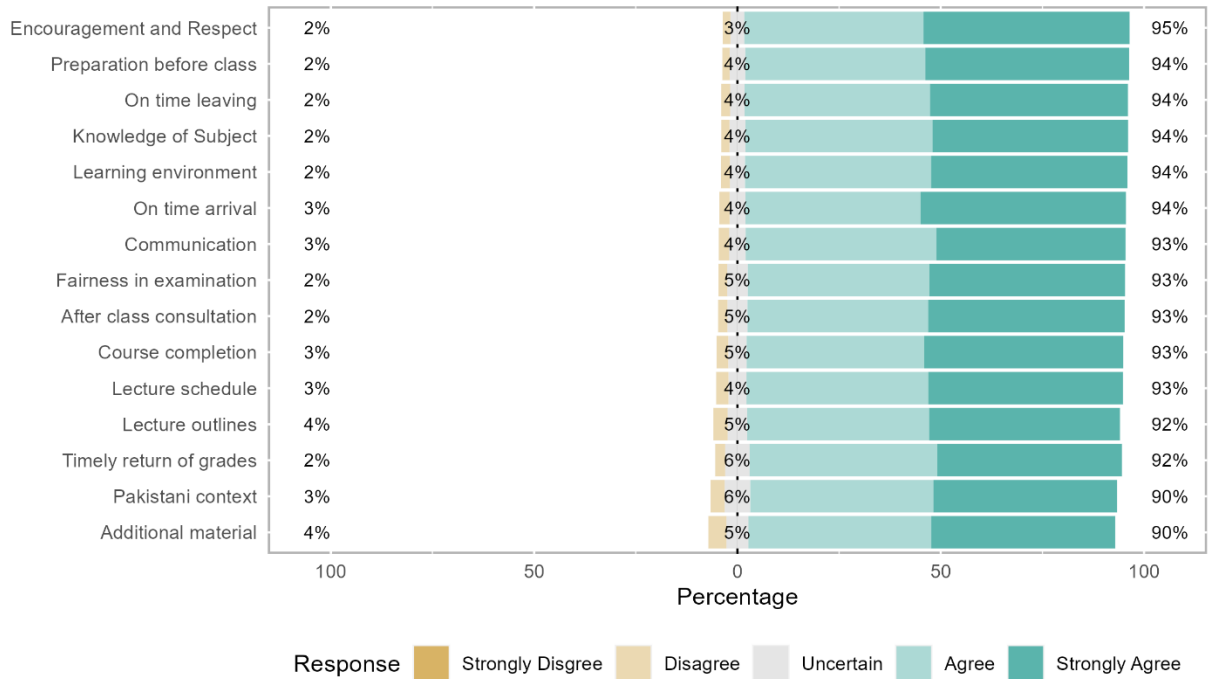
The department-wise number of responses have been tabulated as Annexure-A and the corresponding department-wise analysis follows in separate folder. Actions were taken to comply on feedback and detailed department-wise analysis were shared with each Head of the Department. The evidence of E-mails sent to all HoDs is attached herewith.

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### Exploratory Analysis:

The aggregate response rating below of Main Campus University shows higher ratings to performance –based questionnaire while ratings of provision of supplementary materials shows a slightly lower rating. Since, Lecture schedule and outlines have been incorporated into LMS already, there is need to inform students about the availability of the same.

Stacked-bar Plot of Main Campus, University of Sindh  
Data from LMS during 2022-23





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Statistical Analysis

In above overall exploratory analysis it was observed that 'FACEV10' had lowest rating so to gauge its association with other indicators the Chi-square test on various indicators aggregated for main campus has been tabulated below, where the highest chi-square contribution of 119.790 confirmed our exploratory analysis:

Cell Contents	
Chi-square contribution	N
N / Row Total	
N / Col Total	
N / Table Total	

Total Observations in Table: 143430

Indicators	rating					Row Total
	1	2	3	4	5	
FACEV05	291 0.097 0.030 0.068 0.002	278 5.658 0.029 0.077 0.002	410 0.127 0.043 0.066 0.003	4190 0.032 0.438 0.066 0.029	4393 0.123 0.459 0.066 0.031	9562  0.067
FACEV06	321 4.353 0.034 0.075 0.002	331 33.551 0.035 0.092 0.002	449 2.413 0.047 0.072 0.003	4158 0.452 0.435 0.066 0.029	4303 2.908 0.450 0.065 0.030	9562  0.067
FACEV07	256 3.094 0.027 0.060 0.002	168 22.146 0.018 0.046 0.001	351 10.524 0.037 0.056 0.002	4152 0.586 0.434 0.066 0.029	4635 10.827 0.485 0.070 0.032	9562  0.067
FACEV08	236 8.656 0.025 0.055 0.002	184 13.509 0.019 0.051 0.001	363 7.058 0.038 0.058 0.003	4336 4.299 0.453 0.069 0.030	4443 0.161 0.465 0.067 0.031	9562  0.067
FACEV09	313 2.602 0.033 0.073 0.002	267 2.790 0.028 0.074 0.002	423 0.079 0.044 0.068 0.003	4059 4.840 0.424 0.064 0.028	4500 1.585 0.471 0.068 0.031	9562  0.067
FACEV10	339 9.930 0.035 0.079 0.002	411 <b>119.790</b> 0.043 0.114 0.003	489 12.332 0.051 0.078 0.003	4189 0.038 0.438 0.066 0.029	4134 18.049 0.432 0.062 0.029	9562  0.067
FACEV11	312 2.415 0.033 0.073 0.002	316 23.292 0.033 0.087 0.002	580 63.466 0.061 0.093 0.004	4205 0.003 0.440 0.067 0.029	4149 16.182 0.434 0.063 0.029	9562  0.067
FACEV12	273 0.567 0.029 0.064 0.002	234 0.207 0.024 0.065 0.002	370 5.354 0.039 0.059 0.003	4396 8.995 0.460 0.070 0.031	4289 3.671 0.449 0.065 0.030	9562  0.067
FACEV13	289 0.037 0.030	170 20.951 0.018	315 25.064 0.033	4105 2.221 0.429	4683 16.102 0.490	9562  0.067

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	0.067 0.002	0.047 0.001	0.050 0.002	0.065 0.029	0.071 0.033	
FACEV14	262 1.971 0.027 0.061 0.002	202 6.331 0.021 0.056 0.001	342 13.577 0.036 0.055 0.002	4290 1.860 0.449 0.068 0.030	4466 0.559 0.467 0.067 0.031	9562  0.067
FACEV15	277 0.267 0.029 0.065 0.002	228 0.708 0.024 0.063 0.002	350 10.844 0.037 0.056 0.002	4037 6.448 0.422 0.064 0.028	4670 14.570 0.488 0.070 0.033	9562  0.067
FACEV16	256 3.094 0.027 0.060 0.002	202 6.331 0.021 0.056 0.001	334 16.616 0.035 0.053 0.002	4268 1.049 0.446 0.068 0.030	4502 1.662 0.471 0.068 0.031	9562  0.067
FACEV17	298 0.527 0.031 0.070 0.002	196 8.425 0.020 0.054 0.001	469 6.414 0.049 0.075 0.003	4166 0.302 0.436 0.066 0.029	4433 0.063 0.464 0.067 0.031	9562  0.067
FACEV18	271 0.760 0.028 0.063 0.002	224 1.208 0.023 0.062 0.002	558 47.466 0.058 0.089 0.004	4318 3.225 0.452 0.069 0.030	4191 11.497 0.438 0.063 0.029	9562  0.067
FACEV19	292 0.137 0.031 0.068 0.002	205 5.396 0.021 0.057 0.001	456 3.595 0.048 0.073 0.003	4155 0.517 0.435 0.066 0.029	4454 0.321 0.466 0.067 0.031	9562  0.067
Column Total	4286 0.030	3616 0.025	6259 0.044	63024 0.439	66245 0.462	143430

Statistics for All Table Factors

Pearson's Chi-squared test

Chi<sup>2</sup> = 666.8769      d.f. = 56      p = 2.044099e-105

Further, the analysis above having p value

The p value is much less than .05, therefore, various indicators differ in response trends statistically. Considering the question 'FACEV10' (regarding question about additional material) trend in previous exploratory analysis and considering the statistical analysis above, we find that although, much more students have given a rating of 5 and 4 to FACEV10, yet to some extent, more than other indicators, some 411 responses fall under the rating of '2' (Disagree), which is evident by the largest Chi-square contribution of 119.790 under the ratings of '2' in FACEV10. Therefore, students have a differing trend response regarding provision of additional material.

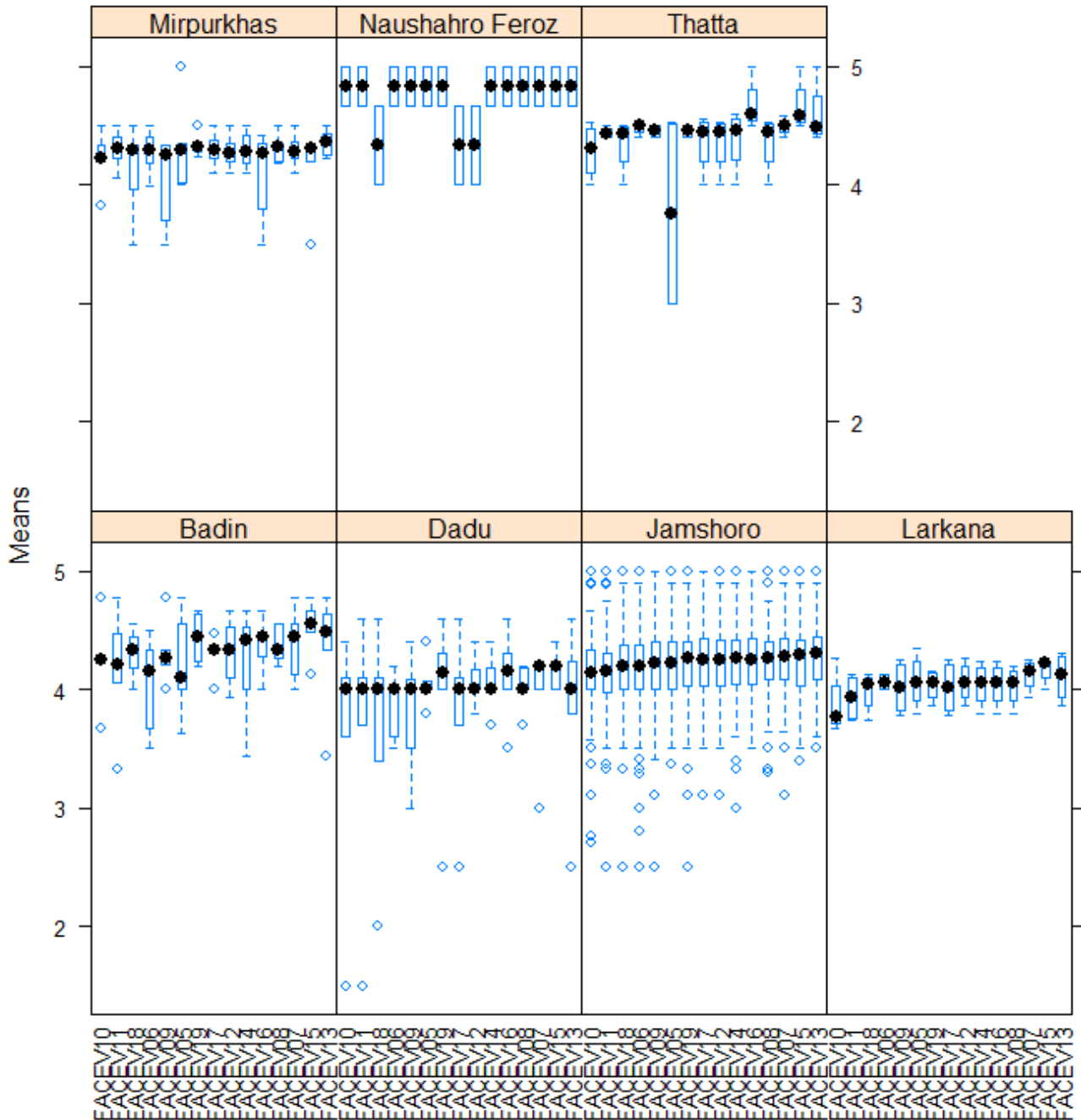
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**Conclusion:**

The aggregate rating from students have shown greater positive trend in Faculty Evaluation with very few negative responses. An unusual number of 'Disagree' responses e.g. in 'The Teacher provides additional material apart from the textbook' require further actions including informing the availability of additional material on LMS uploaded in next phase.

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Senior Data Processing Officer

### Boxplots of Faculty Evaluation 2022-23 in various Campuses



Annex-A

The number of online forms submissions during Fall 2022.

DEPARTMENT_NAME	RESPONSES
ANTHROPOLOGY & ARCHAEOLOGY	55
ARABIC	40
ART & DESIGN	66
BANKING AND FINANCE	135
BIOCHEMISTRY	339
BIOTECHNOLOGY	102
BOTANY	463
BUSINESS ADMINISTRATION	394
CENTRE FOR PHYSICAL EDUCATION HEALTH & SPORTS SC	26
CENTRE FOR PURE & APPLIED GEOLOGY	54
CENTRE FOR RURAL DEVELOPMENT COMMUNICATION	31
CENTRE OF ENVIRONMENTAL SCIENCES	77
CHEMISTRY	331
COMMERCE	282
COMPARATIVE RELIGION & ISLAMIC CULTURE	115
COMPUTER SCIENCE	196
CRIMINOLOGY	196
ECONOMICS	64
EDUCATION	127
ELECTRONICS	28
ELECTRONICS (FET)	20
ENGLISH	395
FRESH WATER BIOLOGY & FISHERIES	18
GENDER STUDIES	44
GENERAL HISTORY	44
GENETIC ENGINEERING	119
GEOGRAPHY	172
INFORMATION TECHNOLOGY	45
INFORMATION TECHNOLOGY (FET)	357
INTERNATIONAL RELATIONS	167
LAW	1194
LIBRARY INFORMATION SCIENCE & ARCHIVE STUDIES	30
MATHEMATICS	67
MEDIA & COMMUNICATION STUDIES	102
MEDICAL LABORATORY TECHNOLOGY	53
MICROBIOLOGY	112
MOHTARMA BENAZIR BHUTTO SHAHEED CAMPUS DADU	105
MUSLIM HISTORY	62
NUTRITION & FOOD TECHNOLOGY	262
PAKISTAN STUDY CENTRE	54

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PERSIAN	6
PHARMACY	821
PHILOSOPHY	21
PHYSICS	210
PHYSIOLOGY	21
POLITICAL SCIENCE	241
PSYCHOLOGY	45
PUBLIC ADMINISTRATION	62
SINDH DEVELOPMENT STUDIES CENTRE	74
SINDH UNIVERSITY CAMPUS LARKANA	58
SINDH UNIVERSITY CAMPUS MIRPURKHAS	207
SINDH UNIVERSITY CAMPUS THATTA	63
SINDH UNIVERSITY LAAR CAMPUS @ BADIN	120
SINDHI	7
SOCIAL WORK	58
SOCIOLOGY	110
SOFTWARE ENGINEERING	12
SOFTWARE ENGINEERING (FET)	170
STATISTICS	99
SYED ALLAHANDO SHAH CAMPUS NAUSHAHRO FERAZ	4
TELECOMMUNICATION	1
TELECOMMUNICATION (FET)	4
URDU	29
ZOOLOGY	576
<b>Grand Total</b>	<b>9562</b>

Moreover, there are 5487 responses received from all the Semesters from January 2023 to May 2023 session attached herewith.