GURU KULA KANGRI (DEEMED TO BE UNIVERSITY)

Haridwar, Uttarakhand

INTERNAL QUALITY ASSURANCE CELL (IQAC)

STUDENT FEEDBACK SURVEY REPORT

Curriculum Evaluation — Academic Year 2022–23

Prepared in accordance with NAAC Guidelines

Total Responses: 703 | Departments Covered: 22

1. Executive Summary

This report presents a comprehensive analysis of the Student Feedback Survey on Curriculum conducted by the Internal Quality Assurance Cell (IQAC) of Guru Kula Kangri (Deemed to be University), Haridwar, for the Academic Year 2022–23. The survey was carried out in alignment with the National Assessment and Accreditation Council (NAAC) guidelines which mandate periodic stakeholder feedback on curriculum design, relevance, and delivery.

A total of 703 student responses were collected across 22 departments covering undergraduate, postgraduate, and integrated programmes. Students rated eight curriculum parameters on a five-point scale (Poor = 1 to Excellent = 5) and provided qualitative feedback on syllabus utility, suggested additions, and improvement areas.

Key Findings at a Glance

Total Respondents	703
Departments Surveyed	22
University Overall Mean Score	3.47 / 5.00 (Satisfactory–Good)
Highest Performing Department	Physical Education & Sports (4.03)
Second Highest	Sanskrit (4.03)
Departments Needing Urgent Attention	3 (CSE, Mechanical, ECE — score < 3.00)
Most Appreciated Parameter	Textbooks Adequacy (avg 3.72)
Lowest Rated Parameter	Internship / Training / Research (avg 3.37)

2. Survey Methodology

2.1 Instrument Design

The feedback questionnaire comprised eight quantitative items rated on a five-point Likert scale and three open-ended qualitative questions. The quantitative parameters assessed were:

- Q1: Aims & Objectives
- Q2: Theory-Application Balance
- Q3: Higher Education / Employability
- Q4: Internship / Training / Research
- Q5: Course Sequence
- Q6: Textbooks Adequacy
- Q7: Elective Flexibility
- Q8: Curriculum & Professional Dev.

2.2 Scoring Scale

Score	Label	Range	Interpretation
5	Excellent	4.50–5.00	Exceptional — sustain & showcase
4	Very Good	3.50–4.49	Good — minor improvements needed
3	Satisfactory	2.50–3.49	Moderate — structured improvements required
2	Fair	1.50–2.49	Below expectations — urgent action needed
1	Poor	1.00–1.49	Critical — immediate intervention required

2.3 Data Collection

The survey was administered through a Google Form during July 2023. Student participation was voluntary and responses were anonymous to ensure candid feedback. Data was compiled and analysed using statistical aggregation to compute mean scores per department and per parameter.

3. Department-Wise Performance Overview

The table below summarises the overall mean scores for all 22 departments, ranked from highest to lowest. Colour coding indicates performance band.

#	Department	Responses	Overall Score	Status
1	Physical Education & Sports	27	**4.03**	HIGH PERFORMING
2	Sanskrit	38	**4.03**	HIGH PERFORMING
3	Botany & Microbiology	50	**3.76**	GOOD
4	Chemistry	18	**3.76**	GOOD
5	English	56	**3.71**	GOOD
6	Music	5	**3.68**	GOOD
7	Computer Science	97	**3.67**	GOOD
8	Hindi	16	**3.62**	GOOD
9	Yogic Sciences	12	**3.62**	GOOD
10	Zoology & Environmental Science	30	**3.57**	GOOD
11	Economics	4	**3.53**	GOOD
12	Ancient Indian History, Culture & Archaeology	26	**3.52**	GOOD
13	Mathematics & Statistics	89	**3.43**	AVERAGE
14	Psychology	53	**3.38**	AVERAGE
15	Management Studies	84	**3.29**	AVERAGE
16	Applied Science	8	**3.27**	AVERAGE
17	Philosophy	7	**3.27**	AVERAGE
18	Pharmaceutical Sciences	10	**3.14**	AVERAGE
19	Physics	20	**2.99**	NEEDS ATTENTION
20	Computer Science and Engineering	41	**2.90**	NEEDS ATTENTION
21	Mechanical Engineering	6	**2.73**	NEEDS ATTENTION
22	Electronics and Communication Engineering	6	**2.62**	NEEDS ATTENTION

4. Parameter-Wise Analysis Across Departments

The heatmap below shows scores for each parameter across all departments. Colour coding: Green ≥ 4.00 | Light Blue 3.50–3.99 | Yellow 3.00–3.49 | Orange 2.50–2.99 | Red < 2.50

Department	Aims & Obj.	Theory-Appl.	Higher Ed./ Employ.	Internship/ Research	Course Seq.	Textbook Adequacy	Elective Flex.	Curric. & Prof.Dev.
Physical Education & Sports	3.96	4.15	4.04	4.07	4.19	4.00	3.96	3.89
Sanskrit	3.97	4.05	4.16	4.00	4.18	4.16	3.95	3.79
Botany & Microbiology	3.80	3.98	3.58	3.58	3.82	3.84	3.60	3.84
Chemistry	4.17	3.89	3.78	3.67	3.67	3.83	3.67	3.39
English	3.71	3.79	3.79	3.46	3.64	3.89	3.75	3.68
Music	3.80	4.00	4.00	3.60	3.80	3.40	3.40	3.40
Computer Science	3.75	3.72	3.67	3.37	3.77	3.80	3.66	3.63
Hindi	3.88	3.62	3.75	3.19	3.56	3.88	3.19	3.88
Yogic Sciences	3.75	3.25	3.92	3.50	4.08	3.83	3.17	3.42
Zoology & Environmental Science	3.83	3.63	3.57	3.10	3.70	3.77	3.50	3.47
Economics	3.50	3.75	3.50	3.75	3.50	3.50	3.25	3.50
Ancient Indian History, Culture & Archaeology	3.81	3.58	3.69	3.31	3.50	3.46	3.38	3.42
Mathematics & Statistics	3.57	3.49	3.48	3.19	3.44	3.67	3.25	3.38
Psychology	3.58	3.60	3.45	3.25	3.36	3.47	3.11	3.26
Management Studies	3.38	3.37	3.33	3.25	3.24	3.21	3.17	3.39
Applied Science	3.00	3.00	3.62	3.25	3.00	3.50	3.38	3.38
Philosophy	3.43	3.29	3.14	3.14	3.71	3.14	2.86	3.43
Pharmaceutical Sciences	2.90	3.10	3.40	3.40	2.80	3.20	3.00	3.30
Physics	3.10	3.25	2.95	2.75	3.00	2.95	3.10	2.80
Computer Science and Engineering	3.20	3.05	3.02	2.46	2.90	3.32	2.51	2.73
Mechanical Engineering	3.00	2.83	2.67	2.50	2.83	2.83	2.67	2.50
Electronics and Communication Engineering	2.83	2.83	2.67	2.00	2.50	3.00	2.67	2.50

5. Department-Wise Detailed Analysis & Corrective Actions

5.1 Physical Education & Sports

Responses: 27	Overall Score: 4.03 / 5.00	Rating: Very Good	Status: HIGH PERFORMING

Parameter-Wise Scores

Parameter	Score	Rating
Aims & Objectives	**3.96**	Very Good
Theory-Application Balance	**4.15**	Very Good
Higher Education / Employability	**4.04**	Very Good
Internship / Training / Research	**4.07**	Very Good
Course Sequence	**4.19**	Very Good
Textbooks Adequacy	**4.00**	Very Good
Elective Flexibility	**3.96**	Very Good
Curriculum & Professional Dev.	**3.89**	Very Good

Qualitative Feedback Summary

Aspect	Key Themes from Student Responses
Most Useful Aspects	Training/development skills, leadership qualities
Suggested New Courses	Dance, B.P.Ed, Agriculture
Improvement Suggestions	More opportunities for athletes to represent university

Recommended Corrective Actions

- Introduce formal courses in Dance and Kinesiology to broaden the programme.
- Explore MOU with state sports academies to provide athletes structured exposure.
- Institutionalise athlete representation opportunities through university sports calendar.
- Add B.P.Ed programme pathway information in curriculum guide.

5.2 Sanskrit

Responses: 38	Overall Score: 4.03 / 5.00	Rating: Very Good	Status: HIGH PERFORMING

Parameter-Wise Scores

Parameter	Score	Rating
Aims & Objectives	**3.97**	Very Good
Theory-Application Balance	**4.05**	Very Good
Higher Education / Employability	**4.16**	Very Good
Internship / Training / Research	**4.00**	Very Good
Course Sequence	**4.18**	Very Good
Textbooks Adequacy	**4.16**	Very Good
Elective Flexibility	**3.95**	Very Good
Curriculum & Professional Dev.	**3.79**	Very Good

Qualitative Feedback Summary

Aspect	Key Themes from Student Responses
Most Useful Aspects	Literature, presentation skills, knowledge of culture
Suggested New Courses	NET 1st paper syllabus, Computer basics
Improvement Suggestions	Hostel facility, structured homework, timely class schedules

Recommended Corrective Actions

- Integrate NET/JRF Paper-I syllabus as a skill-enhancement elective to improve research readiness.
- Introduce basic computer and digital humanities module within the programme.
- Ensure hostel/accommodation facility for outstation students to improve retention.
- Regularise assignment and homework schedules with faculty accountability.

5.3 Botany & Microbiology

Responses: 50	Overall Score: 3.76 / 5.00	Rating: Very Good	Status: GOOD

Parameter-Wise Scores

Parameter	Score	Rating
Aims & Objectives	**3.80**	Very Good
Theory-Application Balance	**3.98**	Very Good
Higher Education / Employability	**3.58**	Very Good
Internship / Training / Research	**3.58**	Very Good
Course Sequence	**3.82**	Very Good
Textbooks Adequacy	**3.84**	Very Good
Elective Flexibility	**3.60**	Very Good
Curriculum & Professional Dev.	**3.84**	Very Good

Qualitative Feedback Summary

Aspect	Key Themes from Student Responses
Most Useful Aspects	Microbiology, theory-practical integration
Suggested New Courses	Bioinformatics, Clinical Research, Medical Microbiology, Diploma in MLT
Improvement Suggestions	Transparent sessional marking, regular classes, educational trips

Recommended Corrective Actions

- Introduce electives in Bioinformatics, Clinical Research, and Medical Microbiology.
- Explore Diploma in Medical Lab Technology (MLT) as a value-added programme.
- Ensure transparency in sessional examination marking through rubric-based assessment.
- Organise at least one educational/industrial trip per semester to enhance field exposure.
- Regularise class schedules and improve student engagement through active learning.

5.4 Chemistry

Responses: 18	Overall Score: 3.76 / 5.00	Rating: Very Good	Status: GOOD

Parameter-Wise Scores

Parameter	Score	Rating
Aims & Objectives	**4.17**	Very Good
Theory-Application Balance	**3.89**	Very Good
Higher Education / Employability	**3.78**	Very Good
Internship / Training / Research	**3.67**	Very Good
Course Sequence	**3.67**	Very Good
Textbooks Adequacy	**3.83**	Very Good
Elective Flexibility	**3.67**	Very Good
Curriculum & Professional Dev.	**3.39**	Satisfactory

Qualitative Feedback Summary

Aspect	Key Themes from Student Responses
Most Useful Aspects	Industry/research applications, practicals
Suggested New Courses	B.Ed., competition-exam-aligned syllabus revision
Improvement Suggestions	Modify syllabus to align with competitive exams

Recommended Corrective Actions

- Align portions of the syllabus with CSIR-NET, GATE, and state PSC competitive examinations.
- Introduce an elective course in Industrial Chemistry and Green Chemistry.
- Engage industry professionals for guest lectures on application-oriented topics.
- Review and update reference books list to include current editions and digital resources.

5.5 English

Responses: 56	Overall Score: 3.71 / 5.00	Rating: Very Good	Status: GOOD

Parameter-Wise Scores

Parameter	Score	Rating
Aims & Objectives	**3.71**	Very Good
Theory-Application Balance	**3.79**	Very Good
Higher Education / Employability	**3.79**	Very Good
Internship / Training / Research	**3.46**	Satisfactory
Course Sequence	**3.64**	Very Good
Textbooks Adequacy	**3.89**	Very Good
Elective Flexibility	**3.75**	Very Good
Curriculum & Professional Dev.	**3.68**	Very Good

Qualitative Feedback Summary

Aspect	Key Themes from Student Responses
Most Useful Aspects	Theory-application relation, communication skills
Suggested New Courses	Confidence-building programme, communication courses
Improvement Suggestions	Bridge communication gap, confidence workshops for students

Recommended Corrective Actions

- Introduce a mandatory Communication Skills and Confidence Building module.
- Facilitate workshops, debate clubs, and public speaking programmes to address confidence gaps.
- Increase internship/research exposure through tie-ups with media, publishing, and education sectors.
- Bridge the communication gap between faculty and students through regular counselling sessions.

5.6 Music

Responses: 5	Overall Score: 3.68 / 5.00	Rating: Very Good	Status: GOOD

Parameter-Wise Scores

Parameter	Score	Rating
Aims & Objectives	3.80	Very Good
Theory-Application Balance	4.00	Very Good
Higher Education / Employability	4.00	Very Good
Internship / Training / Research	3.60	Very Good
Course Sequence	3.80	Very Good
Textbooks Adequacy	3.40	Satisfactory
Elective Flexibility	3.40	Satisfactory
Curriculum & Professional Dev.	3.40	Satisfactory

Qualitative Feedback Summary

Aspect	Key Themes from Student Responses
Most Useful Aspects	Core music theory and performance
Suggested New Courses	Smart class integration
Improvement Suggestions	Expand library resources for music

Recommended Corrective Actions

- Procure additional books and audio-visual resources in the departmental library.
- Integrate smart classroom/projector technology for music theory and composition teaching.
- Explore digital music tools and recording software as part of elective offerings.
- Connect with cultural organisations for performance exposure opportunities.

5.7 Computer Science

Responses: 97	Overall Score: 3.67 / 5.00	Rating: Very Good	Status: GOOD

Parameter-Wise Scores

Parameter	Score	Rating
Aims & Objectives	**3.75**	Very Good
Theory-Application Balance	**3.72**	Very Good
Higher Education / Employability	**3.67**	Very Good
Internship / Training / Research	**3.37**	Satisfactory
Course Sequence	**3.77**	Very Good
Textbooks Adequacy	**3.80**	Very Good
Elective Flexibility	**3.66**	Very Good
Curriculum & Professional Dev.	**3.63**	Very Good

Qualitative Feedback Summary

Aspect	Key Themes from Student Responses
Most Useful Aspects	DSA, OS, DBMS, Data Structures
Suggested New Courses	Aptitude/personality development, communication skills, BCA
Improvement Suggestions	More practical classes, student-centric teaching methods, semester-wise projects

Recommended Corrective Actions

- Introduce a mandatory Aptitude, Communication Skills, and Personality Development course.
- Increase practical class hours to minimum 60% of total contact hours.
- Assign semester-wise mini-projects to promote applied learning.
- Allow student-centric learning modes (project-based, flipped classroom).
- Review and update elective offerings to include emerging technologies (AI/ML, Cloud, Cybersecurity).

5.8 Hindi

Responses: 16	Overall Score: 3.62 / 5.00	Rating: Very Good	Status: GOOD

Parameter-Wise Scores

Parameter	Score	Rating
Aims & Objectives	**3.88**	Very Good
Theory-Application Balance	**3.62**	Very Good
Higher Education / Employability	**3.75**	Very Good
Internship / Training / Research	**3.19**	Satisfactory
Course Sequence	**3.56**	Very Good
Textbooks Adequacy	**3.88**	Very Good
Elective Flexibility	**3.19**	Satisfactory
Curriculum & Professional Dev.	**3.88**	Very Good

Qualitative Feedback Summary

Aspect	Key Themes from Student Responses
Most Useful Aspects	Historical and psychological foundations of literature
Suggested New Courses	Curriculum vs syllabus clarity
Improvement Suggestions	Better classroom facilities, improved learning environment

Recommended Corrective Actions

- Improve classroom facilities and provide a better learning environment.
- Introduce interdisciplinary electives connecting Hindi literature with psychology and sociology.
- Strengthen digital/e-learning resources in Hindi for wider access.
- Clarify the distinction between curriculum and syllabus for students through orientation.

5.9 Yogic Sciences

Responses: 12	Overall Score: 3.62 / 5.00	Rating: Very Good	Status: GOOD

Parameter-Wise Scores

Parameter	Score	Rating
Aims & Objectives	**3.75**	Very Good
Theory-Application Balance	**3.25**	Satisfactory
Higher Education / Employability	**3.92**	Very Good
Internship / Training / Research	**3.50**	Very Good
Course Sequence	**4.08**	Very Good
Textbooks Adequacy	**3.83**	Very Good
Elective Flexibility	**3.17**	Satisfactory
Curriculum & Professional Dev.	**3.42**	Satisfactory

Qualitative Feedback Summary

Aspect	Key Themes from Student Responses
Most Useful Aspects	Alternative therapy, yoga kriyas, life goals
Suggested New Courses	Diploma in Naturopathy, Advanced Pranic Healing, Vedic studies
Improvement Suggestions	Smart classrooms, regular practical sessions, yoga environment

Recommended Corrective Actions

- Establish a dedicated yoga practice hall with proper yoga environment and props.
- Introduce a Diploma in Naturopathy as a value-added programme.
- Equip classrooms with smart boards/projectors for interactive theory sessions.
- Regularise advanced asana practical sessions (minimum 1 hour daily).
- Introduce elective on Vedic Sciences and Advanced Pranic Healing.

5.10 Zoology & Environmental Science

Responses: 30	Overall Score: 3.57 / 5.00	Rating: Very Good	Status: GOOD

Parameter-Wise Scores

Parameter	Score	Rating
Aims & Objectives	**3.83**	Very Good
Theory-Application Balance	**3.63**	Very Good
Higher Education / Employability	**3.57**	Very Good
Internship / Training / Research	**3.10**	Satisfactory
Course Sequence	**3.70**	Very Good
Textbooks Adequacy	**3.77**	Very Good
Elective Flexibility	**3.50**	Very Good
Curriculum & Professional Dev.	**3.47**	Satisfactory

Qualitative Feedback Summary

Aspect	Key Themes from Student Responses
Most Useful Aspects	Environmental science, zoology core content
Suggested New Courses	Internship/job guidance for life sciences
Improvement Suggestions	Streamline syllabus volume, improve department greenery/lab

Recommended Corrective Actions

- Streamline syllabus volume and prioritise core competency areas.
- Establish internship and job placement cell partnerships with environmental/zoology organisations.
- Organise field trips, nature camps, and ecological surveys as credit-bearing activities.
- Improve departmental surroundings and maintain the botanical/zoological garden.

5.11 Economics

Responses: 4	Overall Score: 3.53 / 5.00	Rating: Very Good	Status: GOOD

Parameter-Wise Scores

Parameter	Score	Rating
Aims & Objectives	**3.50**	Very Good
Theory-Application Balance	**3.75**	Very Good
Higher Education / Employability	**3.50**	Very Good
Internship / Training / Research	**3.75**	Very Good
Course Sequence	**3.50**	Very Good
Textbooks Adequacy	**3.50**	Very Good
Elective Flexibility	**3.25**	Satisfactory
Curriculum & Professional Dev.	**3.50**	Very Good

Qualitative Feedback Summary

Aspect	Key Themes from Student Responses
Most Useful Aspects	All aspects cited as useful
Suggested New Courses	No specific suggestion
Improvement Suggestions	No specific suggestion (limited responses)

Recommended Corrective Actions

- Increase sample size for meaningful future analyses by encouraging broader participation.
- Review elective flexibility as it scored lowest (3.25) among the department's parameters.
- Introduce data analytics and econometrics modules to improve employability.

5.12 Ancient Indian History, Culture & Archaeology

Responses: 26	Overall Score: 3.52 / 5.00	Rating: Very Good	Status: GOOD

Parameter-Wise Scores

Parameter	Score	Rating
Aims & Objectives	**3.81**	Very Good
Theory-Application Balance	**3.58**	Very Good
Higher Education / Employability	**3.69**	Very Good
Internship / Training / Research	**3.31**	Satisfactory
Course Sequence	**3.50**	Very Good
Textbooks Adequacy	**3.46**	Satisfactory
Elective Flexibility	**3.38**	Satisfactory
Curriculum & Professional Dev.	**3.42**	Satisfactory

Qualitative Feedback Summary

Aspect	Key Themes from Student Responses
Most Useful Aspects	Well-defined syllabi, teaching comprehensiveness
Suggested New Courses	Political Science, Geography integration
Improvement Suggestions	NCC activities, addition of science interdisciplinary topics

Recommended Corrective Actions

- Introduce interdisciplinary papers linking History with Political Science and Geography.
- Develop certificate course in Archaeology/Heritage Management.
- Strengthen internship linkages with ASI (Archaeological Survey of India) and museums.
- Increase the number of English-medium reference books in the library.
- Promote NCC and extracurricular integration for holistic development.

5.13 Mathematics & Statistics

Responses: 89	Overall Score: 3.43 / 5.00	Rating: Satisfactory	Status: AVERAGE

Parameter-Wise Scores

Parameter	Score	Rating
Aims & Objectives	**3.57**	Very Good
Theory-Application Balance	**3.49**	Satisfactory
Higher Education / Employability	**3.48**	Satisfactory
Internship / Training / Research	**3.19**	Satisfactory
Course Sequence	**3.44**	Satisfactory
Textbooks Adequacy	**3.67**	Very Good
Elective Flexibility	**3.25**	Satisfactory
Curriculum & Professional Dev.	**3.38**	Satisfactory

Qualitative Feedback Summary

Aspect	Key Themes from Student Responses
Most Useful Aspects	Vedic Mathematics, skill enhancement courses
Suggested New Courses	Physical and mental health, Mensuration, English as elective
Improvement Suggestions	Updated teaching methods, short tricks for entrance exams, employability enhancement

Recommended Corrective Actions

- Introduce short-cut techniques and competitive exam preparation as skill-enhancement elective.
- Update pedagogy with modern tools: GeoGebra, Python/R for statistics, and Vedic Mathematics.
- Add English as an elective to improve communication for STEM students.
- Enhance employability by introducing data science and financial mathematics modules.
- Conduct regular bridge courses for weak students at the start of each semester.

5.14 Psychology

Responses: 53	Overall Score: 3.38 / 5.00	Rating: Satisfactory	Status: AVERAGE

Parameter-Wise Scores

Parameter	Score	Rating
Aims & Objectives	**3.58**	Very Good
Theory-Application Balance	**3.60**	Very Good
Higher Education / Employability	**3.45**	Satisfactory
Internship / Training / Research	**3.25**	Satisfactory
Course Sequence	**3.36**	Satisfactory
Textbooks Adequacy	**3.47**	Satisfactory
Elective Flexibility	**3.11**	Satisfactory
Curriculum & Professional Dev.	**3.26**	Satisfactory

Qualitative Feedback Summary

Aspect	Key Themes from Student Responses
Most Useful Aspects	Guidance & counseling, dissertation, knowledge sessions
Suggested New Courses	Neuropsychology, PG Diploma, Mass Communication
Improvement Suggestions	Improve lab facilities, better classrooms, resolve network issues, faculty accountability

Recommended Corrective Actions

- Upgrade psychology laboratory with modern psychometric tools and testing equipment.
- Introduce Neuropsychology and Clinical Psychology as elective specialisations.
- Resolve infrastructure issues (network connectivity, classroom quality) with administration.
- Address faculty accountability concerns through performance review mechanisms.
- Introduce PG Diploma in Counselling/Guidance as a value-added programme.

5.15 Management Studies

Responses: 84	Overall Score: 3.29 / 5.00	Rating: Satisfactory	Status: AVERAGE

Parameter-Wise Scores

Parameter	Score	Rating
Aims & Objectives	**3.38**	Satisfactory
Theory-Application Balance	**3.37**	Satisfactory
Higher Education / Employability	**3.33**	Satisfactory
Internship / Training / Research	**3.25**	Satisfactory
Course Sequence	**3.24**	Satisfactory
Textbooks Adequacy	**3.21**	Satisfactory
Elective Flexibility	**3.17**	Satisfactory
Curriculum & Professional Dev.	**3.39**	Satisfactory

Qualitative Feedback Summary

Aspect	Key Themes from Student Responses
Most Useful Aspects	Practical assignments, portfolio management
Suggested New Courses	Personality development, AI, accounting software
Improvement Suggestions	Communication skills, add subject guides, increase industry interface

Recommended Corrective Actions

- Integrate industry-standard accounting software (Tally, SAP) into the curriculum.
- Introduce Artificial Intelligence for Business as a core or elective module.
- Strengthen corporate communication and personality development as credit courses.
- Establish a dedicated placement cell and increase industry interface through internships.
- Provide chapter-wise study guides and reference materials for all core subjects.

5.16 Applied Science

Responses: 8	Overall Score: 3.27 / 5.00	Rating: Satisfactory	Status: AVERAGE

Parameter-Wise Scores

Parameter	Score	Rating
Aims & Objectives	**3.00**	Satisfactory
Theory-Application Balance	**3.00**	Satisfactory
Higher Education / Employability	**3.62**	Very Good
Internship / Training / Research	**3.25**	Satisfactory
Course Sequence	**3.00**	Satisfactory
Textbooks Adequacy	**3.50**	Very Good
Elective Flexibility	**3.38**	Satisfactory
Curriculum & Professional Dev.	**3.38**	Satisfactory

Qualitative Feedback Summary

Aspect	Key Themes from Student Responses
Most Useful Aspects	Practicals, clear objectives
Suggested New Courses	Financial literacy, current affairs, computer courses
Improvement Suggestions	Focus on practical learning, expand library resources, project management

Recommended Corrective Actions

- Restructure curriculum to significantly increase hands-on practical component.
- Introduce Financial Literacy and Current Affairs as skill-enhancement courses.
- Expand library holdings with current and application-oriented textbooks.
- Add Project Management as an elective for industry readiness.
- Establish linkages with industries for short-term internship placements.

5.17 Philosophy

Responses: 7	Overall Score: 3.27 / 5.00	Rating: Satisfactory	Status: AVERAGE

Parameter-Wise Scores

Parameter	Score	Rating
Aims & Objectives	**3.43**	Satisfactory
Theory-Application Balance	**3.29**	Satisfactory
Higher Education / Employability	**3.14**	Satisfactory
Internship / Training / Research	**3.14**	Satisfactory
Course Sequence	**3.71**	Very Good
Textbooks Adequacy	**3.14**	Satisfactory
Elective Flexibility	**2.86**	Satisfactory
Curriculum & Professional Dev.	**3.43**	Satisfactory

Qualitative Feedback Summary

Aspect	Key Themes from Student Responses
Most Useful Aspects	Knowledge of ancient Vedas, practical philosophy
Suggested New Courses	Research-based and practical subjects
Improvement Suggestions	Philosopher-led topic selection, more research orientation

Recommended Corrective Actions

- Reorient syllabus towards contemporary ethical, social, and applied philosophy.
- Introduce research methodology as a mandatory paper to build academic inquiry skills.
- Add experiential learning components such as field visits, seminars, and case discussions.
- Ensure topic selection involves faculty with relevant philosophical expertise.

5.18 Pharmaceutical Sciences

Responses: 10	Overall Score: 3.14 / 5.00	Rating: Satisfactory	Status: AVERAGE

Parameter-Wise Scores

Parameter	Score	Rating
Aims & Objectives	**2.90**	Satisfactory
Theory-Application Balance	**3.10**	Satisfactory
Higher Education / Employability	**3.40**	Satisfactory
Internship / Training / Research	**3.40**	Satisfactory
Course Sequence	**2.80**	Satisfactory
Textbooks Adequacy	**3.20**	Satisfactory
Elective Flexibility	**3.00**	Satisfactory
Curriculum & Professional Dev.	**3.30**	Satisfactory

Qualitative Feedback Summary

Aspect	Key Themes from Student Responses
Most Useful Aspects	Industrial Pharmacy, textbooks
Suggested New Courses	Computer classes (post sem 3/4), Real industry training, B.Ed./LLB
Improvement Suggestions	Monthly pharma company visits, improve placement support

Recommended Corrective Actions

- Introduce structured Computer Applications course from Semester 3/4 onwards.
- Establish MOU with pharmaceutical companies for monthly/quarterly industrial visits.
- Create a dedicated placement support cell to improve industry linkages and career guidance.
- Improve course sequencing (lowest score 2.80) by mapping prerequisites rigorously.
- Add Real Industry Training as a mandatory internship component in the programme.

5.19 Physics

Responses: 20	Overall Score: 2.99 / 5.00	Rating: Satisfactory	Status: NEEDS ATTENTION

Parameter-Wise Scores

Parameter	Score	Rating
Aims & Objectives	3.10	Satisfactory
Theory-Application Balance	3.25	Satisfactory
Higher Education / Employability	2.95	Satisfactory
Internship / Training / Research	2.75	Satisfactory
Course Sequence	3.00	Satisfactory
Textbooks Adequacy	2.95	Satisfactory
Elective Flexibility	3.10	Satisfactory
Curriculum & Professional Dev.	2.80	Satisfactory

Qualitative Feedback Summary

Aspect	Key Themes from Student Responses
Most Useful Aspects	Competitive exam prep (NET/CSIR), experimental syllabus
Suggested New Courses	Astrophysics, Quantum Computing, Ethical Hacking basics, Vedic Physics
Improvement Suggestions	Elective subjects, more practicals, additional faculty, internship/exchange programs

Recommended Corrective Actions

PRIORITY ALERT: This department scores below 3.00 and requires immediate attention from IQAC and Department Head.

- URGENT: Recruit additional faculty to ensure syllabus completion before examinations.
- Introduce Astrophysics and Quantum Computing as elective papers.
- Establish a structured internship and student exchange programme.
- Provide elective subjects at PG level for research specialisation.
- Improve practical infrastructure; ensure all experiments are functional and regularly updated.
- Review and improve curriculum for employability by adding applied physics components.

5.20 Computer Science and Engineering

Responses: 41	Overall Score: 2.90 / 5.00	Rating: Satisfactory	Status: NEEDS ATTENTION

Parameter-Wise Scores

Parameter	Score	Rating
Aims & Objectives	3.20	Satisfactory
Theory-Application Balance	3.05	Satisfactory
Higher Education / Employability	3.02	Satisfactory
Internship / Training / Research	2.46	Fair
Course Sequence	2.90	Satisfactory
Textbooks Adequacy	3.32	Satisfactory
Elective Flexibility	2.51	Satisfactory
Curriculum & Professional Dev.	2.73	Satisfactory

Qualitative Feedback Summary

Aspect	Key Themes from Student Responses
Most Useful Aspects	Practical tools, clear objectives
Suggested New Courses	IoT
Improvement Suggestions	Purposeful class sessions, flexible timing, stronger practical component

Recommended Corrective Actions

PRIORITY ALERT: This department scores below 3.00 and requires immediate attention from IQAC and Department Head.

- URGENT: Redesign elective flexibility (lowest score 2.51) with technology-aligned electives.
- URGENT: Strengthen internship/research scope component (score 2.46) with mandatory industrial training.
- Make class sessions more purposeful with clear learning outcomes per session.
- Review college timings in consultation with students for optimal learning hours.
- Introduce IoT, Cloud Computing, and Cybersecurity as contemporary electives.
- Conduct faculty development programmes focused on outcome-based education.

5.21 Mechanical Engineering

Responses: 6	Overall Score: 2.73 / 5.00	Rating: Satisfactory	Status: NEEDS ATTENTION

Parameter-Wise Scores

Parameter	Score	Rating
Aims & Objectives	3.00	Satisfactory
Theory-Application Balance	2.83	Satisfactory
Higher Education / Employability	2.67	Satisfactory
Internship / Training / Research	2.50	Satisfactory
Course Sequence	2.83	Satisfactory
Textbooks Adequacy	2.83	Satisfactory
Elective Flexibility	2.67	Satisfactory
Curriculum & Professional Dev.	2.50	Satisfactory

Qualitative Feedback Summary

Aspect	Key Themes from Student Responses
Most Useful Aspects	Industry-relevant numericals, application problems
Suggested New Courses	Design software (CAD), Robotics
Improvement Suggestions	Start clubs/student activity groups, modernise culture

Recommended Corrective Actions

PRIORITY ALERT: This department scores below 3.00 and requires immediate attention from IQAC and Department Head.

- URGENT: Introduce CAD/CAM design software (SolidWorks, AutoCAD) as a core skill course.
- URGENT: Add Robotics and Automation as an elective to meet industry demands.
- Establish student clubs (Robotics Club, Design Club) for hands-on activity.
- Update content to reflect Industry 4.0, smart manufacturing, and sustainable engineering.
- Arrange regular industry visits and guest lectures from practising engineers.
- Address low internship score (2.50) by establishing structured industrial training.

5.22 Electronics and Communication Engineering

Responses: 6	Overall Score: 2.62 / 5.00	Rating: Satisfactory	Status: NEEDS ATTENTION

Parameter-Wise Scores

Parameter	Score	Rating
Aims & Objectives	**2.83**	Satisfactory
Theory-Application Balance	**2.83**	Satisfactory
Higher Education / Employability	**2.67**	Satisfactory
Internship / Training / Research	**2.00**	Fair
Course Sequence	**2.50**	Satisfactory
Textbooks Adequacy	**3.00**	Satisfactory
Elective Flexibility	**2.67**	Satisfactory
Curriculum & Professional Dev.	**2.50**	Satisfactory

Qualitative Feedback Summary

Aspect	Key Themes from Student Responses
Most Useful Aspects	Clear objectives, practical tools
Suggested New Courses	Aptitude/personality development, placement-relevant topics, advanced programming
Improvement Suggestions	Improve lab infrastructure, add placement-focused topics

Recommended Corrective Actions

PRIORITY ALERT: This department scores below 3.00 and requires immediate attention from IQAC and Department Head.

- URGENT: Rebuild and equip laboratory infrastructure as a priority.
- URGENT: Internship/Research component (score 2.00 — lowest in university) needs immediate intervention through mandatory industrial training semester.
- Introduce Aptitude, Reasoning, and Personality Development as credit courses.
- Add placement-relevant topics: Embedded Systems, VLSI Design, Signal Processing.
- Develop advanced programming electives (Python, MATLAB) for competitive readiness.
- Conduct weekly industry-connect sessions and establish alumni mentorship programme.

6. University-Level Recommendations

1. Strengthen Internship & Research Exposure

The parameter "Internship/Training/Research" recorded the lowest mean score across the university (3.37). IQAC should mandate at least one semester of structured industrial/research training in all technical and science programmes. A centralised internship portal with department-wise tracking is strongly recommended.

2. Increase Elective Flexibility

Elective Flexibility scored 3.40 overall, with engineering and professional departments scoring below 2.60. IQAC should direct departments to offer at least 3 technology-aligned electives per semester and review these annually. A Choice Based Credit System (CBCS) approach should be strengthened.

3. Prioritise Technical Department Curriculum Overhaul

Departments of ECE (2.62), Mechanical Engineering (2.73), and CSE (2.90) require urgent curriculum revision. A dedicated Board of Studies meeting with external industry experts should be convened immediately for these programmes.

4. Faculty Development Programmes (FDP)

Qualitative responses across departments mention outdated teaching methods. IQAC should organise mandatory FDPs on outcome-based education (OBE), modern pedagogy, and digital teaching tools at least twice annually.

5. Infrastructure Upgrade for Science & Engineering Labs

Lab quality was a recurring concern in Physics, ECE, and Mechanical Engineering. The university administration should earmark capital expenditure for lab upgradation in these departments in the next budget cycle.

6. Value-Added Programmes (VAP)

Multiple departments recommend short-term certificate/diploma programmes (Bioinformatics, Naturopathy, MLT, Naturopathy, Computer Applications in Pharmacy). IQAC should facilitate a university-wide VAP calendar.

7. Placement & Career Guidance Cell Strengthening

Management Studies, Pharmaceutical Sciences, Physics, and ECE explicitly demand better placement support. The university placement cell should establish department-specific coordinators and maintain updated placement data.

8. Competitive Exam Readiness

Chemistry, Physics, Mathematics, and Computer Science students highlighted the need for exam-aligned content (NET, GATE, CSIR, PSC). Departments should incorporate competitive exam preparation as a skill-enhancement elective.

9. Annual Curriculum Review Cycle

IQAC should institutionalise an annual curriculum review process where Board of Studies, alumni, employers, and students jointly evaluate and update syllabi. Feedback from this report should serve as the baseline for AY 2023–24 review.

10. Digital Resources & Smart Classrooms

Requests for smart classrooms and digital resources were noted across Yogic Sciences, Music, Physics, and CSE. A phased smart-classroom rollout plan should be prepared and implemented.

7. Suggested Action Plan & Timeline

The following action plan is recommended for implementation by the IQAC and concerned departments:

Timeline	Responsible	Action
Immediate (0–3 months)	**ECE, Mechanical, CSE**	Emergency BoS meeting; lab infrastructure audit; curriculum gap report
Immediate (0–3 months)	**Physics**	Recruit additional faculty; ensure syllabus completion plan
Short-term (3–6 months)	**All Departments**	Share individual department reports; fix internship/research gaps
Short-term (3–6 months)	**Management, Pharmacy**	Industry MOU for internship; placement cell activation
Medium-term (6–12 months)	**Science Depts.**	Launch value-added programmes (Bioinformatics, MLT, Naturopathy)
Medium-term (6–12 months)	**All Technical Depts.**	Introduce competitive-exam-aligned electives
Long-term (12–24 months)	**University-wide**	Annual curriculum review cycle; smart classroom rollout; CBCS strengthening
Ongoing	**IQAC**	Monitor corrective actions; re-survey in AY 2023–24; track improvement

8. Conclusion

The Student Feedback Survey on Curriculum for AY 2022–23 reveals a broadly satisfactory to good performance across most departments, with a university-wide mean score of 3.47 on a 5-point scale. Departments such as Physical Education & Sports and Sanskrit demonstrate high-quality curriculum delivery and student satisfaction, serving as models for best practices to be disseminated across the university.

However, the survey underscores critical concerns in Electronics & Communication Engineering, Mechanical Engineering, and Computer Science & Engineering, where scores fall below 3.00. Immediate curriculum revision, infrastructure investment, and enhanced industry linkages are essential for these departments.

The recurring themes of inadequate internship opportunities, limited elective flexibility, outdated teaching methods, and insufficient digital infrastructure point to systemic issues that require university-level policy interventions beyond individual departments.

IQAC should ensure that the corrective actions detailed in this report are communicated to respective Heads of Department, tracked quarterly, and re-evaluated through a follow-up survey in AY 2023–24 to measure the impact of interventions. This feedback loop is central to the spirit of continuous quality improvement mandated by NAAC.

— Internal Quality Assurance Cell (IQAC) —

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