

# **Feedback Analysis Report**

## **Curriculum Design and Delivery**

**Academic Year 2023–2024**

**JSS Science and Technology University**  
**JSS Technical Institutions Campus, Mysuru – 570006**



## Feedback Analysis Report (Curriculum Design and Delivery)

### Report Overview:

Feedback analysis report on curriculum design and delivery for the academic year 2023–24 presents a comprehensive review of inputs received from key stakeholders—students, alumni, faculty, parents, and employers—across all departments of the university. The report is structured under three main sections: (A) Department-wise Stakeholder Feedback Summary, highlighting unique concerns and suggestions specific to each academic unit; (B) Overall Recommendations, which synthesizes feedback into actionable strategies categorized by stakeholder group; and (C) Feedback Categorized by aspect, offering an analytical view of inputs under themes such as academic quality, administration, infrastructure, and student support. This report serves as a vital tool in aligning institutional practices with stakeholder expectations, reinforcing a culture of continuous improvement.

### A) Stakeholder Feedback Summary (Department-wise)

| Department     | Students                                                                                                | Alumni                                                                                                             | Parents                                                                         | Employers                                                                           | Faculty                                               |
|----------------|---------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------|
| <b>BT</b>      | More internship opportunities in biopharma                                                              | Suggest genomics/ proteomics workshops                                                                             | Satisfied with updates                                                          | Seek regulatory knowledge, lab safety                                               | Request high-end equipment, collaborations            |
| <b>Civil</b>   | Need for Industrial live projects                                                                       | Recommend smart city content                                                                                       | Appreciate safety and discipline                                                | Suggest project management tools                                                    | Advocate sustainable construction research            |
| <b>CSE</b>     | Request industry-certified courses; coding bootcamps;                                                   | Recommend AI/ML, DevOps                                                                                            | Satisfied with progress reports                                                 | Recommend cloud computing, teamwork skills                                          | Seek support for interdisciplinary research           |
| <b>CTM</b>     | Seek more live industry-linked projects and exposure to emerging tools like BIM and smart city systems. | Recommend to include modern construction practices such as prefabrication, automation, and lean methods.           | Appreciate academic rigor but suggested to introduce professional certification | Suggested to have strong digital and project management skills, contract management | Advocate for interdisciplinary integration            |
| <b>ENV</b>     | Part of syllabus which is outdated should be removed from the syllabus.                                 | Induction of value added adequate course to bridge the gap between theoretical aspects and industrial requirement. | Value faculty interaction                                                       | Students need adequate software training.                                           | Request curriculum aligned with industry requirements |
| <b>ECE</b>     | Need for upgraded lab equipment                                                                         | Suggest stronger alumni ties                                                                                       | Satisfied with discipline                                                       | Encouragement for cutting edge technology                                           | Need updated curriculum, more FDPs                    |
| <b>E&amp;I</b> | Request IoT kits, real-time learning                                                                    | Suggest biomedical electives                                                                                       | Value faculty interaction                                                       | Recommend PLC/SCADA skills                                                          | Seek global exchange exposure                         |
| <b>EEE</b>     | More internship opportunities and Project Based Learning                                                | Suggest green energy modules                                                                                       | Need for placement transparency                                                 | Expect automation and power electronics                                             | Suggest collaboration with Mechanical & CSE           |
| <b>ISE</b>     | Need for more real-time projects                                                                        | Recommend cybersecurity, data engineering                                                                          | Appreciate mentorship                                                           | Seek backend/API skills                                                             | Call for MoUs with tech firms                         |
| <b>IPE</b>     | Requested greater industry                                                                              | suggested more industry exposure                                                                                   | Expressed satisfaction                                                          | Found curriculum                                                                    | Expressed satisfaction                                |

| Department         | Students                                                                                                                              | Alumni                                                                                 | Parents                                                                                            | Employers                                                                              | Faculty                                                                                                                                             |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
|                    | alignment, elective options, and Interdisciplinary courses.                                                                           |                                                                                        | with the curriculum; no suggestions made.                                                          | relevant and aligned with industry needs                                               | with curriculum design and structure                                                                                                                |
| <b>Mechanical</b>  | Demand industry visits & manufacturing exposure                                                                                       | Recommend Six Sigma, lean tools                                                        | Pleased with career guidance                                                                       | Look for CAD/CAM knowledge                                                             | Seek funds for design labs                                                                                                                          |
| <b>PST</b>         | Need for entrepreneurship training through interdepartmental collaboration                                                            | Inclusion of modern technologies like: Internet of Things (IoT), 3D Printing, CAD/CAM  | Guide students towards viable career pathways and industry connections.                            | Focus on industry-relevant skills, regulatory standards, and sustainability practices. | Curriculum should include design of recyclable polymers, use of biodegradable materials, plastic waste reduction, and closed-loop recycling systems |
| <b>Chemistry</b>   | Need for pilot plant exposure                                                                                                         | Recommend green chemistry, simulation research facility                                | Seek lab safety assurance                                                                          | Look for process safety skills                                                         | Propose more industry partnerships                                                                                                                  |
| <b>Physics</b>     | More interdisciplinary projects                                                                                                       | Suggest quantum computing focus                                                        | Satisfied with updates                                                                             | Prefer scientific problem-solving                                                      | Seek simulation tools, funding                                                                                                                      |
| <b>Mathematics</b> | Need to emphasize on data science                                                                                                     | Recommend R, Python usage                                                              | Appreciate pedagogy                                                                                | Emphasize analytical skills                                                            | Call for cross-discipline projects                                                                                                                  |
| <b>MCA</b>         | Inclusion of NEP-aligned multidisciplinary electives and value-added certification programs (e.g., Python, CAD, AI, Cloud Computing). | workshops on resume writing, job portals, personal branding, and LinkedIn utilization. | Suggested more visibility on placements statistics, internships, and campus engagement activities. | Raised concerns about soft skills and job readiness among graduates.                   | Emphasized the importance of OBE (Outcome Based Education) and Bloom's Taxonomy implementation.                                                     |
| <b>MBA</b>         | Seek industry projects, analytics tools                                                                                               | Suggest introduction of HR analytics, entrepreneurship                                 | Pleased with mentoring                                                                             | Desire communication & leadership skills                                               | Request curriculum aligned with trends                                                                                                              |

## Summary of Main Findings and Actionable Recommendations

### *1. Curriculum Relevance and Industry Alignment*

#### **Findings:**

- Across departments like CSE, ISE, ECE, and ME, students and alumni emphasized the need for a curriculum that aligns with current industry trends such as AI/ML, Cloud Computing, EV Technology, Data Science, and Industry 4.0 practices.
- Employers from departments like EEE and CIVIL felt that the curriculum does not fully prepare students with practical or field-specific knowledge.
- Alumni suggested integration of certification-oriented electives and value-added courses for better employment outcomes.
- Introduce courses related to Space Technology.
- Employers & Alumni of polymer science highlighted the need to include regulatory standards, sustainable practices, and technological advancements like IoT and 3D printing.
- Employers & Faculty of industrial production expressed satisfaction with the curriculum but supported further enhancement in practical learning and interdisciplinary flexibility.
- Enhanced focus on domain-specific tools like AutoCAD, MATLAB, SolidWorks, and Data Analytics software

#### **Recommendations:**

- Establish a structured curriculum review process every two years involving industry experts, alumni, and faculty.
- Integrate emerging technologies, industry certifications, and domain-relevant software tools.
- Emphasise on interdisciplinary electives through platforms like NPTEL and Coursera.
- Introduce a dedicated course on Regulatory Standards and Compliance Include content on product safety, environmental regulations, and global industry norms (e.g., REACH, RoHS).
- Integrate Sustainability-Focused Modules –emphasize biodegradable materials, circular economy principles, and recycling techniques within core subjects.

## *2. Teaching-Learning Enhancements*

### **Findings:**

- Students from BT, Chemistry, and MCA departments highlighted the need for more experiential and case-based learning.
- Faculty from Physics, Mathematics, and Chemistry departments indicated the need for pedagogical training and content delivery improvement.
- Alumni valued faculty commitment but emphasized adoption of innovative teaching practices.
- Implement Learning Management Systems (LMS) for blended learning.

### **Recommendations:**

- Conduct regular Professional Development Programs (PDPs) on blended learning, outcome-based education (OBE), and case method teaching.
- Promote flipped classrooms, interactive simulations, and digital assessments.
- Encourage faculty-industry immersion programs to bring practical insights into classrooms.
- Facilitate industry expert sessions, case studies, and certification programs to align theoretical learning with real-world industrial expectations

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## *3. Industry Exposure and Employability*

### **Findings:**

- Employers from CSE, ECE, and Mechanical departments pointed to a lack of soft skills, problem-solving ability, and project-based learning among graduates.
- Students across departments felt the need for more internship opportunities, hackathons, and industry challenges.
- Alumni recommended domain-specific placement training and real-world application exposure.

### **Recommendations:**

- Strengthen the placement cell with dedicated training, employer outreach, and domain-wise employability programs.
- Organize career fairs, alumni mentoring sessions, and industry-embedded mini projects.
- Collaborate with industry for capstone projects, industrial visits, and live business cases.

- Recommended collaborative programs like faculty-industry immersion and guest lectures by corporate leaders.
  - Facilitate faculty sabbaticals in industry settings to enhance practical exposure.
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#### *4. Infrastructure and Lab Facilities*

##### **Findings:**

- Departments like Mechanical, CIVIL, EEE, and ECE reported that lab equipment is outdated and needs modernization.
- Students from MCA and Chemistry mentioned slow internet and lack of access to necessary software/tools.
- Faculty need for more smart classrooms and simulation-based tools.

##### **Recommendations:**

- Prioritize lab upgrades with budget allocations specific to departmental needs.
  - Improve digital infrastructure including learning management systems, and virtual labs.
  - Equip classrooms with projectors, audio systems, and smart boards.
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#### *5. Student Support and Academic Mentoring*

##### **Findings:**

- Students appreciated faculty mentoring in departments like CSE and MCA but called for more structured support across semesters.
- Parents expressed concern over stress and the need for psychological and academic counseling support.
- Alumni suggested buddy programs and peer learning groups to ease transition into college and industry.
- Alumni noted a lack of awareness during their course period about career pathways in R&D, patent filing, and industry certifications.
- Allow students to take electives from mechanical, automation, supply chain, and data analytics domains to broaden employability.
- Start structured programs in yoga, ethics, leadership, and community service

**Recommendations:**

- Institutionalize a structured mentorship program with documented plans and regular reviews.
  - Expand counseling support services through workshops/seminars by psychologists, career advisors, and peer mentors.
  - Offer bridge courses and remedial programs for academically weaker students.
  - Facilitate awareness and funding support for students to pursue certification programs aligned with core subjects
  - Conduct virtual alumni mentoring weekends and alumni success story showcases.
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**6. Research and Innovation Ecosystem****Findings:**

- Faculty and students from BT, Chemistry, and Physics departments emphasized the need for better funding and support for UG/PG research.
- Alumni encouraged start-up and incubation culture, especially in technical departments.
- Employers appreciated innovation-oriented projects but felt more support is needed for commercialization of student ideas.
- Create faculty think tanks for institutional strategy and policy input

**Recommendations:**

- Provide internal funding schemes for student/faculty mini-research projects.
  - Promote interdisciplinary and collaborative research involving UG/PG students.
  - Enhance incubation support and organize regular ideation competitions, patent workshops, and start-up bootcamps.
  - Seed money for research
  - More engagements with Software Entrepreneurs Technology Park (STEP)
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## *7. Alumni Engagement and Feedback Integration*

### **Findings:**

- Alumni from ECE, Mechanical, and ISE departments expressed interest in mentoring students and participating in curriculum development.
- There is currently no formal system in most departments to engage alumni in a structured and ongoing manner.
- Set up structured alumni-student mentoring programs focusing on career trajectories in production, operations, quality, and supply chain management.

### **Recommendations:**

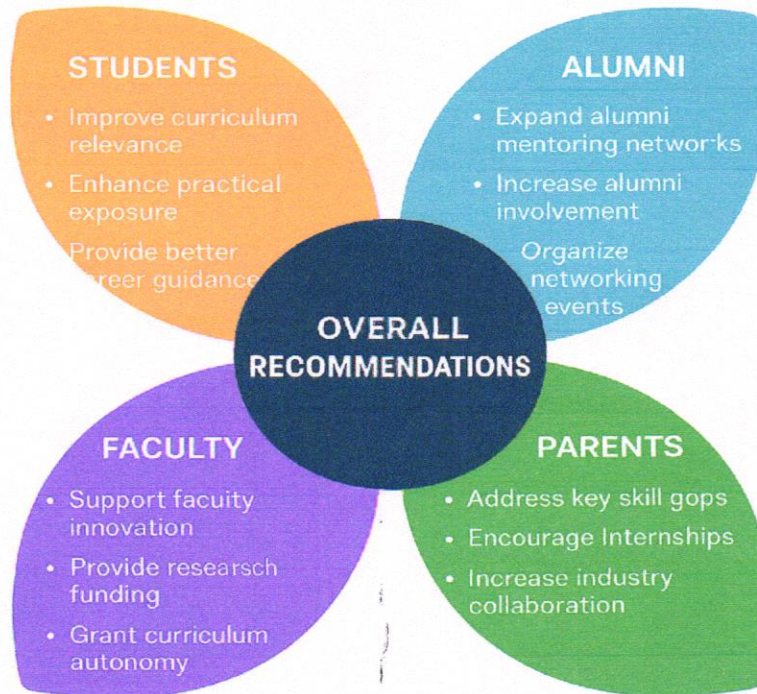
- Create departmental alumni committees to support curriculum input, placement, and mentoring.
  - Launch an alumni portal for knowledge sharing, collaboration, and event participation.
  - Recognize alumni contributions in university events to strengthen emotional connect.
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## B) Overall Recommendations in relevance to each stakeholder feedback

| Stakeholder      | Key Feedback                                                                                                                                                                                                                                                                                                                                                              | Overall Recommendations                                                                                                                                                                                                                                                                                                                                                                                                              |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Students</b>  | <ul style="list-style-type: none"> <li>- Curriculum lacks emerging tech and industry relevance.</li> <li>- Insufficient industry exposure and hands-on training.</li> <li>- Need for improved infrastructure, lab equipment, and digital access.</li> <li>- Desire for enhanced mentoring and career support.</li> </ul>                                                  | <ul style="list-style-type: none"> <li>- Revise curriculum to include emerging technologies and interdisciplinary electives.</li> <li>- Offer certification courses and value-added programs.</li> <li>- Upgrade lab and classroom infrastructure.</li> <li>- Institutionalize structured mentoring, internships, and soft skills training.</li> <li>- Conduct regular career counseling, bridge courses, and hackathons.</li> </ul> |
| <b>Alumni</b>    | <ul style="list-style-type: none"> <li>- Curriculum gaps in practical industry application.</li> <li>- Need for stronger alumni-institution engagement.</li> <li>- Desire to mentor current students and contribute to curriculum design.</li> <li>- Recognition of faculty dedication but suggest pedagogical improvement.</li> <li>- Promote startup culture</li> </ul> | <ul style="list-style-type: none"> <li>- Involve alumni in curriculum advisory boards.</li> <li>- Create alumni mentorship programs.</li> <li>- Facilitate alumni-led workshops, webinars, and career talks.</li> <li>- Recognize and reward active alumni contributors through institutional events.</li> <li>- Encourage faculty-industry immersion.</li> </ul>                                                                    |
| <b>Parents</b>   | <ul style="list-style-type: none"> <li>- Concern over academic stress and lack of structured guidance.</li> <li>- Need for safety, communication, and counselling mechanisms.</li> <li>- Feedback on the importance of placements and student well-being.</li> <li>- Interest in yoga, ethics, leadership, community service</li> </ul>                                   | <ul style="list-style-type: none"> <li>- Strengthen parent-faculty-student communication.</li> <li>- Expand academic and psychological counselling services.</li> <li>- Ensure transparent communication on academic and placement progress.</li> <li>- Include parents in feedback systems and awareness sessions.</li> </ul>                                                                                                       |
| <b>Employers</b> | <ul style="list-style-type: none"> <li>- Graduates lack readiness in problem-solving, communication, and project-based skills.</li> <li>- Gaps in domain-specific software proficiency and internship exposure.</li> <li>- Supportive of hiring from institution but seek better alignment with real-world demands.</li> </ul>                                            | <ul style="list-style-type: none"> <li>- Revamp placement training modules with soft skills and aptitude coaching.</li> <li>- Promote industry-institute collaborations for capstone projects.</li> <li>- Include employer feedback in curriculum planning.</li> <li>- Facilitate industry visits, expert sessions, and co-designed internships.</li> </ul>                                                                          |

| Stakeholder | Key Feedback                                                                                                                                                                                                                                                                                                                                                                                                             | Overall Recommendations                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Faculty     | <ul style="list-style-type: none"> <li>- Need for pedagogical upskilling and for newly inducted faculties.</li> <li>- Require better research funding, lab support, and teaching resources.</li> <li>- Seek autonomy in content delivery and evaluation methods.</li> <li>- Suggest systematic feedback loops for continuous improvement.</li> <li>-Capacity Building Program for supporting staff (Annually)</li> </ul> | <ul style="list-style-type: none"> <li>- Conduct regular FDPs, workshops, and training in modern pedagogy and EdTech tools.</li> <li>- Provide grants for UG/PG research and minor projects.</li> <li>- Upgrade labs and teaching infrastructure.</li> <li>- Encourage participation in curriculum design, quality audits, and academic planning.</li> <li>-Form faculty think tanks for research strategy.</li> </ul> |

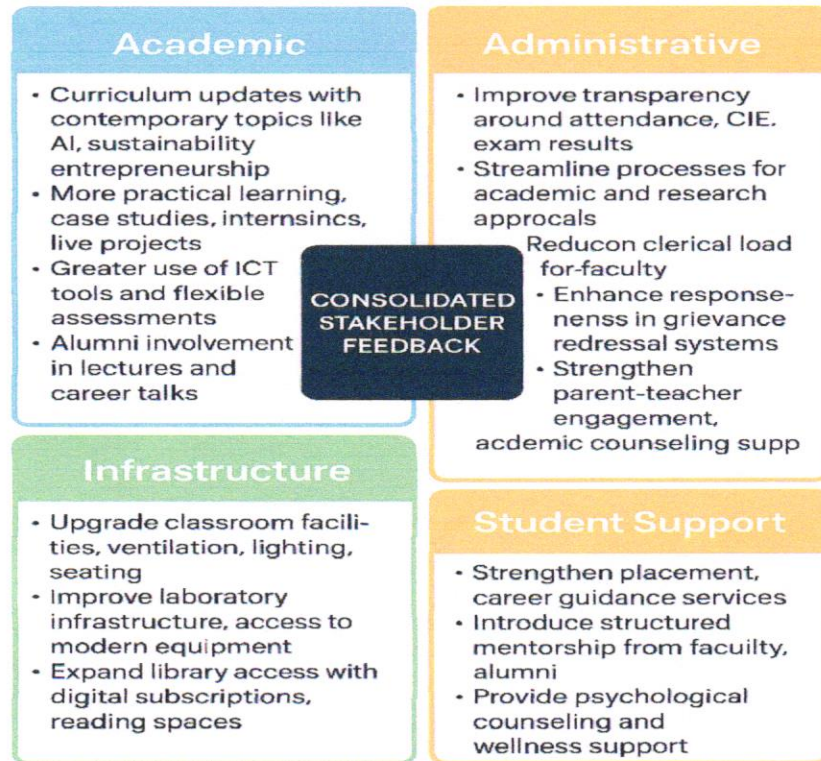
## Overall Stakeholder Feedback Summary and Recommendations



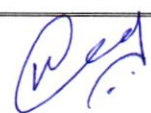
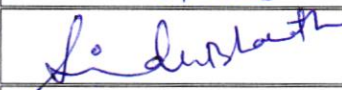
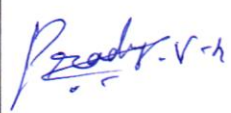
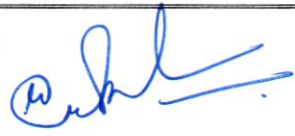
### C) Stakeholder Feedback Categorized by Aspect (2023–24)

| Category               | Consolidated Feedback from Stakeholders                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Academic</b>        | <ul style="list-style-type: none"> <li>- Curriculum to be updated with topics such as AI driven course, sustainability, and entrepreneurship.</li> <li>- More emphasis on practical learning: case studies, internships, and live projects.</li> <li>- Greater use of ICT tools and flexible assessments.</li> <li>- Encourage interdisciplinary and industry-aligned electives.</li> <li>- Alumni involvement in lectures and career talks.</li> <li>- Shift towards skill-based and outcome-oriented evaluations.</li> </ul> |
| <b>Administrative</b>  | <ul style="list-style-type: none"> <li>- Improve transparency and communication around attendance, CIE, and exam results.</li> <li>- Streamline processes for academic and research approvals.</li> <li>- Reduce clerical load for faculty.</li> <li>- Enhance responsiveness in grievance redressal systems.</li> <li>- Strengthen parent-teacher engagement and academic counselling support.</li> </ul>                                                                                                                     |
| <b>Infrastructure</b>  | <ul style="list-style-type: none"> <li>- Upgrade classroom facilities, including ventilation, lighting, seating, and smart-class setups.</li> <li>- Improve laboratory infrastructure and provide access to modern equipment.</li> <li>- Expand library access with digital subscriptions and reading spaces.</li> <li>- Ensure campus cleanliness, hygiene, and basic amenities.</li> </ul>                                                                                                                                   |
| <b>Student Support</b> | <ul style="list-style-type: none"> <li>- Strengthen placement and career guidance services.</li> <li>- Introduce structured mentorship from faculty and alumni.</li> <li>- Provide psychological counselling and wellness support.</li> <li>- Increase soft skill training and resume-building workshops.</li> <li>- Ensure prompt support from grievance redressal cells and student welfare offices.</li> </ul>                                                                                                              |

## Consolidated Stakeholder Feedback Categorized by Aspect (2023–24)



## Feedback Analysis Committee

| Sl. No. | Names                                                                                                | Designation                        | Signature                                                                             |
|---------|------------------------------------------------------------------------------------------------------|------------------------------------|---------------------------------------------------------------------------------------|
| 1       | Dr. Mahanand B S<br>Professor, Department of ISE                                                     | Chairman                           |    |
| 2       | Dr. Rathnakar G,<br>Professor, Department of Mechanical Engg.,<br>and Associate Dean (Academic – PG) | Member<br>Convenor                 |    |
| 3       | Dr. Manju N<br>Associate Professor, Department of ISE                                                | Member                             |    |
| 4       | Dr. Sindhu Bharath<br>Associate Professor, JSS CMS                                                   | Member                             |    |
| 5       | Dr. Shubha J P<br>Associate Professor, Department of<br>Chemistry                                    | Member                             |    |
| 6       | Dr. Pradeep Kumar V G<br>Assistant Professor, Department of<br>Mechanical Engineering                | Member                             |   |
| 7       | Dr. Mukesh M S<br>Assistant Professor, Department of Civil<br>Engineering                            | Member                             |  |
| 8       | Dr. Prajna S<br>Assistant Professor, Department of<br>Computer Applications                          | Member                             |  |
| 9       | Mr. Rohith M N<br>Assistant Professor, Department of ECE                                             | Member                             |  |
| 10      | Ms. Pushpa K<br>Assistant Professor, Department of CTM                                               | Member                             |  |
| 11      | Ms. Bindhu A S<br>Assistant Professor, Department of<br>Mechanical Engineering                       | Member<br>(IQAC<br>Representative) |  |

## **Annexure**

### **Department wise Stakeholder**

### **Feedback Analysis**

## **Biotechnology – Stakeholder Feedback Analysis**

The Biotechnology department has effectively incorporated stakeholder feedback during 2024–25, resulting in curriculum modernization, strong student satisfaction, and improved practical orientation. Introduction of AI-focused courses, streamlined electives, and enhanced laboratories are key achievements. While student feedback is highly positive, alumni engagement and industry exposure require strengthening.

### **Stakeholder Feedback Summary**

#### **Student Feedback**

##### **Strengths**

- Course relevance to real-life applications: 95%+ satisfaction
- Program objectives clarity: 100% positive
- Self-learning encouragement and assessment transparency: Very high
- Practical adequacy: 85% satisfaction

##### **Areas for Improvement**

- Co-curricular and interdisciplinary exposure
- Increased industry-linked practical activities

#### **Alumni Feedback**

##### **Strengths**

- Strong theoretical foundation (55.6% excellent)
- Good communication and collaboration skill development
- Encouragement of lifelong learning

##### **Gaps Identified**

- Moderate job readiness and employability preparation
- Need for stronger industry alignment and practical exposure
- Limited alumni involvement in academic processes

#### **Faculty Feedback**

- Introduction of AI/ML and industry-focused courses (e.g., 24BT553)
- Streamlined professional electives
- Optimized credit allocation
- Development of integrated labs and skill-based courses



### **Strengths**

- High student satisfaction (majority ratings 4–5/5)
- Successful integration of AI, data analytics, and industry-oriented courses
- Improved laboratory and practical components
- Transparent assessment and effective learning resources

### **Priority Improvement Areas**

- Strengthen industry partnerships and internships
- Enhance alumni participation and mentorship
- Improve interdisciplinary offerings
- Increase industry relevance of theoretical learning

### **Implementation Timeline and Evaluation Framework**

#### **Phase 1: Foundation (0–6 Months)**

- 5 industry partnerships
- 40% increase in alumni engagement
- 95% student satisfaction in practical learning

#### **Phase 2: Enhancement (6–12 Months)**

- 90% internship placement
- 70% certification completion
- Industry feedback  $\geq 4.5/5$

#### **Phase 3: Excellence (12–18 Months)**

- 85% biotech-sector employment
- 20% higher starting salary
- Alumni satisfaction  $\geq 4.5/5$

### **Monitoring & Evaluation**

- **Bi-monthly:** Student feedback & progress review
- **Quarterly:** Stakeholder and industry alignment review
- **Annually:** Program outcomes, employability, strategic updates

### **KPIs**

- Student satisfaction  $\geq 90\%$
- Internship and employability rates

- Active alumni participation
- Sustained industry collaborations
- Faculty development and research output

### **Conclusion**

The Biotechnology program exhibits a strong academic foundation with excellent student satisfaction and effective curriculum updates. Focused improvements in industry exposure, alumni engagement, and interdisciplinary learning will further enhance graduate employability and position the department as a leading biotechnology education center.



## **Civil Engineering – Stakeholder Feedback Analysis**

The Civil Engineering department received 132 stakeholder responses, showing exceptional employer satisfaction (100% excellent ratings), strong faculty engagement, and good student satisfaction (80%+ in most parameters). However, serious gaps exist in alumni job readiness and complete absence of parent engagement, requiring immediate intervention.

### **Stakeholder Feedback Summary**

#### **Student Feedback**

##### **Strengths**

- Assessment fairness: 86%
- Program objectives clarity: 84%
- Technology-aligned electives: 83.5%
- Learning resources: 85%+

##### **Areas for Improvement**

- Industry exposure
- Practical, real-world applications
- Co-curricular integration

#### **Faculty Feedback**

##### **Strengths**

- Curriculum development freedom: 75% excellent
- Infrastructure & academic autonomy: 91%+
- Faculty development support: 91%

##### **Improvement Areas**

- Industry standards alignment
- Entrepreneurship education
- Research–industry linkage

#### **Employer Feedback**

- 100% satisfaction in:
  - Technical competency
  - Teamwork & leadership
  - Communication
  - Ethics & professionalism

- Industry adaptability

## Alumni Feedback

### Concerns

- Job role preparation: only 25% confident
- Practical–theoretical balance gap
- Limited career transition support

### Positives

- Communication skills: 68.8%
- Lifelong learning encouragement: 56.3%
- Willingness to support institute: 62.6%

### Strengths

- **Employer Feedback:** 100% excellent ratings across all 11 criteria (technical skills, teamwork, ethics, communication, adaptability)
- **Faculty Engagement:** 75% excellent rating for curriculum development freedom; 91% satisfaction with infrastructure and academic autonomy
- **Student Satisfaction:** 80–86% satisfaction in course design, assessment fairness, electives, and learning resources
- **Infrastructure & Resources:** Strong institutional support and learning facilities

### Priority Improvement Areas

- **Alumni Job Readiness:** Only **25% feel adequately prepared** for job roles
- **Industry Relevance (Alumni):** 43.8% rate courses as only satisfactory
- **Parent Engagement:** **0% participation** across all parameters
- **Student Industry Exposure:** 24.3% gap in perceived industry relevance

## Implementation Timeline and Evaluation Framework

### Immediate Actions (0–6 Months)

- Launch Alumni Career Readiness initiatives
- Enhance Career Services & Placement Support
- More Parent Engagements and Feedbacks
- Leverage employers to expand internships and industry exposure

### Medium-Term Actions (6–18 Months)

- Mandatory internships and live industry projects



- Active industry participation for curriculum review
- Integration of BIM, modern construction tools, and field training
- Professional certifications and soft skills training

### **Implementation Phases & Targets**

#### **Phase 1: Foundation (0–6 Months)**

- Alumni career gap analysis
- Parent communication platforms
- Enhance Industry engagements

#### **Targets**

- 50% improvement in alumni job readiness confidence
- 60% parent response rate
- 90% faculty participation in development programs

#### **Phase 2: Enhancement (6–12 Months)**

- Structured internships and placements
- Industry-integrated curriculum
- Research–industry collaborations

#### **Targets**

- 80% job placement
- 75% parent satisfaction
- 90% student satisfaction with practical exposure

#### **Phase 3: Excellence (12–18 Months)**

- National-level industry recognition
- Alumni career tracking system
- Accreditation and R&D centers

#### **Targets**

- 85% career progression within 3 years
- 90% stakeholder satisfaction
- Top-10 regional program ranking

### **Monitoring & Evaluation**

- **Bi-monthly:** Student feedback & progress review
- **Quarterly:** Stakeholder and industry alignment review

- **Annually:** Program outcomes, employability, strategic updates

#### KPIs

- **Students:**  $\geq 85\%$  satisfaction,  $\geq 90\%$  industry readiness
- **Faculty:**  $\geq 80\%$  industry alignment
- **Alumni:**  $\geq 80\%$  career readiness
- **Industry:** Maintain 100% satisfaction
- **Parents:**  $\geq 70\%$  engagement rate

#### Conclusion

The Civil Engineering department has exceptional employer trust and strong academic foundations. Addressing alumni career readiness, parent engagement, and student industry exposure will align academic excellence with professional success and position the department as a national leader in civil engineering education.

## Computer Science and Engineering - Stakeholder Feedback Analysis

This stakeholder feedback report synthesizes perspectives gathered from students, parents, alumni, employers, and faculty to evaluate the academic practices, infrastructure adequacy, and employability efforts at the institution. The findings highlight significant satisfaction with faculty support, discipline, and institutional values while pointing out actionable areas such as placement assistance, curriculum enrichment, and skill-based training. Overall, the feedback reflects a positive learning environment with scope for systematic enhancement through strategic planning.

### Stakeholder Feedback Summary

#### Students:

- Positively recognized the institution for faculty accessibility, discipline, and overall ambiance.
- Raised concerns over the need for more placement support and technical workshops.
- Requested improvements in lab infrastructure and exposure to real-world technologies.
- Recommended additional bridge and value-added courses to support industry alignment.

#### Employers:

- Recommended curriculum alignment with emerging technologies and industry demands.
- Stressed the importance of communication skills and hands-on project experience.
- Encouraged collaboration with industries for internships, placements, and mentoring.
- Suggested inculcating professionalism and adaptability in students.

#### Alumni:

- Expressed satisfaction with foundational knowledge provided by the institution.
- Highlighted the requirement for periodic curriculum upgrades to stay relevant.
- Emphasized the need for soft skills, certifications, and entrepreneurial exposure.
- Advocated career guidance and strong alumni engagement to boost job opportunities.

#### Parents:

- Appreciated the discipline and student-teacher relationship.
- Expressed desire for stronger placement initiatives and personality development sessions.
- Suggested mentorship programs and career planning workshops.
- Encouraged fostering holistic growth, not just academics.

#### Teachers:

- Requested modern teaching aids and increased autonomy in curriculum design.
- Recommended inclusion of inter-disciplinary electives and credit-based value-added courses.
- Called for better digital tools, FDPs (Faculty Development Programs), and research support.
- Suggested aligning teaching methods to NEP (National Education Policy) guidelines.

#### Strengths :

- Student discipline and faculty commitment.
- Positive institutional culture and values.
- Basic infrastructure and academic support systems.

### Priority Improvement Areas

#### Curriculum Improvements:

- Introduce contemporary topics, certifications (AI, ML, IoT, etc.), and industrial electives.
- Revise course content regularly in consultation with industry partners.

#### Industry Collaboration:

- Establish MoUs with industries for live projects, internships, and campus drives.
- Host industry lectures, seminars, and expert talks regularly.

**Skill Development:**

- Launch soft skill training, language labs, and communication workshops.
- Encourage participation in hackathons, technical symposiums, and project expos.

**Infrastructure Enhancement:**

- Upgrade lab facilities, internet connectivity, and access to e-learning platforms.
- Improve common amenities such as libraries, classrooms, and student innovation labs.

**Faculty Support:**

- Provide regular FDPs, research incentives, and opportunities for interdisciplinary collaboration.
- Enable faculty to take part in curriculum design and pedagogical innovation.

**Mentorship & Counseling:**

- Develop structured mentorship programs for students' academic and career guidance.
- Conduct parental interaction sessions and stakeholder review meetings annually.

**Implementation Timeline and Evaluation Framework****Phase 1: Foundation Building (0–6 Months)****Key Actions**

- Enhance industry engagement
- Establish Alumni Engagement Task Force
- Upgrade computer labs, software, and cloud infrastructure
- Launch Alumni Mentorship Platform and Guest Lecture Series

**Targets**

- 5 industry partnerships
- 40% increase in alumni participation
- 95% student satisfaction with practical and lab components

**Phase 2: Program Enhancement (6–12 Months)****Key Actions**

- Introduce Internship Preparation Program and AI/Data Science Modules
- Launch Interdisciplinary Projects (IoT, Cybersecurity, Cloud Computing)
- Establish Professional Certification Partnerships (AWS, Azure, Python, Java)
- Implement Entrepreneurship Course and Soft Skills Training

**Targets**

- 90% internship placement rate
- 70% certification completion
- 4.5/5 industry feedback on graduates

**Phase 3: Excellence Achievement (12–18 Months)****Key Actions**

- Implement International Collaboration Programs
- Initiate Research–Industry Partnership Projects (AI, Blockchain, Big Data)
- Conduct Curriculum Effectiveness Review and complete Advanced Labs & Innovation Centers

**Targets**

- 85% employment rate in IT/Software sector
- Starting salary 20% above industry average
- Alumni satisfaction 4.5/5



## **Monitoring & Evaluation Framework**

### **Bi-Monthly Tracking**

- Review student feedback summaries
- Track faculty development and partnerships progress

### **Quarterly Review**

- Evaluate stakeholder satisfaction and curriculum effectiveness
- Assess alignment with industry trends

### **Annual Evaluation**

- Conduct full program outcome assessment
- Review graduate employment and alumni success
- Update strategic plan for next cycle

## **Key Performance Indicators (KPIs)**

### **Student Success**

- Course satisfaction  $\geq 90\%$
- Strong lab/practical skills and internship completion

### **Alumni Engagement**

- Active participation in mentorship
- Contribution to curriculum and career development

### **Industry Integration**

- Sustained partnerships and sponsored projects
- High-quality employment outcomes

### **Faculty Development**

- Ongoing professional training
- Innovative teaching and research output

## **Conclusion**

The feedback from stakeholders reflects an overall satisfaction with the institution's academic ethos and delivery. However, to maintain and improve stakeholder trust, there is a compelling need for institutional reforms in curriculum innovation, industry alignment, student mentoring, and faculty development. The implementation of these recommendations will contribute significantly to producing industry-ready graduates and achieving academic excellence.



## **Construction Technology and Management - Stakeholder Feedback Analysis**

The primary objective of this stakeholder feedback analysis was to gain insights into the curriculum, teaching methodologies, and student development processes from diverse stakeholders. The feedback collected revealed general satisfaction with faculty involvement, curriculum structure, and student progression, along with specific suggestions on employability enhancement, industry alignment, and curriculum updates.

### **Stakeholder Feedback Summary**

#### **Students**

- Expressed overall satisfaction with faculty support and mentorship
- Suggested enhanced placement training, soft skills sessions, and communication labs.
- Requested improvement in physical infrastructure

#### **Employers**

- Suggested integration of practical exposure, real-time project work, and technical internships into the curriculum.
- Recommended frequent industry-institute interactions

#### **Alumni**

- Reflected positively on foundational knowledge gained but emphasized the need for industry-readiness training.
- Requested updates in syllabus structure, introduction of cross-disciplinary electives
- Called for active alumni engagement in mentoring current students

#### **Parents**

- Appreciated the safety, discipline, and moral values instilled by the department
- Expected regular feedback on student performance and development through parent-faculty interaction meetings.

#### **Faculty**

- Identified the need for curriculum flexibility, especially in electives and credit-based courses.
- Requested improved ICT tools, access to online resources, and support for interdisciplinary research.
- Emphasized on Faculty Development Programs (FDPs), and pedagogical innovation

## **Implementation Timeline and Evaluation Framework**

### **Immediate Action Items (0–6 Months)**

#### **Industry Partnership Enhancement:**

- Formal internship programs with companies
- Quarterly industry expert sessions
- Active participation in curriculum review

#### **Alumni Engagement Initiative:**

- Structured mentorship program
- Guest lecture series
- Expanded feedback system

#### **Practical Learning Enhancement:**

- Expand integrated lab sessions
- Introduce case study and real-world problem-solving projects

### **Medium-Term Initiatives (6–18 Months)**

#### **Curriculum Modernization:**

- Entrepreneurship courses
- Interdisciplinary programs with other engineering departments

#### **Industry Readiness Program:**

- Mandatory final-year internships
- Professional certification programs
- Soft skills and communication modules

### **Monitoring & Evaluation**

- **Bi-Monthly:** Student feedback, faculty development, partnerships progress
- **Quarterly:** Stakeholder satisfaction, curriculum effectiveness, industry alignment
- **Annual:** Full program assessment, graduate employment tracking, strategic planning

### **Key Performance Indicators (KPIs)**

- **Student Success:**  $\geq 90\%$  course satisfaction, strong lab skills, internship completion
- **Alumni Engagement:** Mentorship participation, career advancement tracking
- **Industry Integration:** Active partnerships, sponsored projects, graduate employment quality

- **Faculty Development:** Professional training completion, innovative teaching adoption, research collaboration outputs

### **Conclusion**

The stakeholder feedback has provided valuable insights into the strengths and areas for improvement in academic and institutional processes. By addressing the suggested areas, the department can significantly enhance its educational outcomes, improve student readiness for the industry, and foster a more dynamic and responsive learning environment

## **Electronics and Communication - Stakeholder Feedback Analysis**

The Electronics and communication Engineering department engaged multiple stakeholder's students, alumni, faculty, parents, and employers to assess curriculum effectiveness and delivery. However, stakeholders emphasised on curriculum to align with the industry needs i.e., emphasizing practical skills, updated subjects and stronger collaboration with industry professionals.

### **Stakeholder Feedback Summary**

#### **Students**

- To focus on practical applications on current industry trends.
- Implementation of industry oriented projects with collaboration.

#### **Employers**

- Suggested to include hands-on-and theoretical knowledge on silicon design, chip validation, and chip testing
- Conduct extra course during long vacations to breeze gape between industry and university.
- Updating of courses relevant to industry based new technology
- Suggested to hire Adjunct /experts from industry to teach industry related courses.
- Need emphasis on Telecom and IOT domain.

#### **Alumni**

- Since the companies for ECE stream/roles are very less, so requested to add Data Structures and Algorithms, OS and DBMS subjects.
- Restructure of VLSI course.
- Suggested to add industry demanding subjects like AI and ML.

#### **Parents**

- Collaboration with the industry for Projects.

#### **Faculty**

- Inclusion of Industry experts in Project Panel formation.
- Suggested to add Interdisciplinary projects.
- Introduce courses related to Space Technology.

### **Implementation Timeline and Evaluation Framework**

#### **Phase 1: Foundation Building (0–6 Months)**

##### **Key Actions**

- Enhance industry engagement

- Improve Alumni Engagement
- Upgrade labs, simulation tools, and embedded systems facilities; signed industry MOUs
- Launch Alumni Mentorship Platform and Guest Lecture Series

#### **Targets**

- 5 industry partnerships
- 40% increase in alumni participation
- 95% student satisfaction with practical/lab components

#### **Phase 2: Program Enhancement (6–12 Months)**

##### **Key Actions**

- Introduced Internship Preparation Program and Advanced Communication/AI & IoT Modules
- Started Interdisciplinary Projects (VLSI, IoT, Embedded Systems)
- Established Professional Certification Partnerships (FPGA, MATLAB, PCB Design)
- Launched Entrepreneurship Course and Soft Skills Training

#### **Targets**

- 90% internship placement rate
- 70% certification completion
- 4.5/5 industry feedback on graduates

#### **Phase 3: Excellence Achievement (12–18 Months)**

##### **Key Actions**

- Implement International Collaboration Programs
- Initiate Research–Industry Partnership Projects (5G/6G, IoT, Embedded Systems)
- Conduct Curriculum Effectiveness Review and completed Advanced Labs & Innovation Centers

#### **Targets**

- 85% employment rate in ECE sector
- Starting salary 20% above industry average
- Alumni satisfaction 4.5/5

#### **Monitoring & Evaluation Framework**

##### **Bi-Monthly Tracking (Every 2 Months)**



- Review student feedback summaries
- Track faculty development and partnerships progress

#### **Quarterly Review (Every 3 Months)**

- Evaluate stakeholder satisfaction and curriculum effectiveness
- Assess alignment with industry trends

#### **Annual Evaluation (Once a Year)**

- Conduct full program outcome assessment
- Review graduate employment and alumni success
- Update strategic plan for next cycle

#### **Key Performance Indicators (KPIs)**

##### **Student Success**

- Course satisfaction  $\geq 90\%$
- Strong practical skills and internship completion

##### **Alumni Engagement**

- Active participation in mentorship
- Contribution to curriculum and career development

##### **Industry Integration**

- Sustained partnerships and sponsored projects
- High-quality employment outcomes

##### **Faculty Development**

- Ongoing professional training
- Innovative teaching and research output

#### **Conclusion**

The feedback from students, alumni, faculty, and industry partners indicates strong satisfaction with the Department's academic standards and program delivery. Nevertheless, to sustain and enhance stakeholder confidence, focused reforms are necessary in curriculum modernization, practical learning, industry engagement, and faculty skill development. Implementing these initiatives will strengthen graduate employability and foster innovation.

## **Environmental Engineering - Stakeholder Feedback Analysis**

The Environmental Engineering department has focused on curriculum development guided by stakeholder feedback, with improvements implemented in 2024-25. Student satisfaction is high while alumni engagement is moderate. Key updates include new environmental analytics courses, enhanced electives, and strengthened practical components.

### **Stakeholder Feedback Summary**

#### **Student Feedback**

- **Positive:**
  - 85%+ rated courses as relevant to real-world environmental issues
  - High satisfaction with study materials and assessment system
  - Encourages self-learning and independent projects
- **Areas for Improvement:**
  - Better integration of co-curricular activities
  - Enhance practical applications and fieldwork
  - Increase industry relevance of theoretical concepts

#### **Alumni Feedback**

##### **Strengths:**

- Solid foundation in core environmental concepts
- Good development of collaboration and problem-solving skills
- Promotes lifelong learning mindset

##### **Gaps:**

- Job readiness needs improvement
- Practical-theory balance can be strengthened
- Alumni participation in departmental activities is limited

#### **Faculty Feedback**

- Implement new environmental analytics and sustainable engineering courses
- Introduce credit-based course weighting system
- Enhance professional elective offerings



### **Strengths**

- Strong student satisfaction with course design and delivery (majority 4–5/5 ratings)
- Successful implementation of environmental analytics and sustainable engineering courses
- Effective integration of industry-oriented subjects
- Improved laboratory and fieldwork components

### **Priority Enhancement Areas**

- Expand internship opportunities with environmental firms and agencies
- Strengthen alumni mentorship and engagement programs
- Introduce interdisciplinary courses (e.g., climate modeling, water resource management)
- Improve alignment of theoretical concepts with practical environmental applications

### **Implementation Timeline and Evaluation Framework**

#### **Phase 1: Foundation Building (0–6 Months)**

- Enhance industry engagement
- More Alumni Engagement
- Upgrade labs & fieldwork infrastructure; sign MOUs
- Launch Alumni Mentorship Platform & Guest Lecture Series

#### **Targets:**

- 5 industry partnerships
- 40% increase in alumni participation
- 95% student satisfaction with practical components

#### **Phase 2: Program Enhancement (6–12 Months)**

- Launch Internship Preparation Program & Environmental Analytics Modules
- Start Interdisciplinary Projects
- Initiate Professional Certification Partnerships & Entrepreneurship Course
- Introduce Soft Skills Training

#### **Targets:**

- 90% internship placement
- 70% certification completion
- 4.5/5 industry feedback on graduates

### **Phase 3: Excellence Achievement (12–18 Months)**

- Implement Variable Credit System & International Collaborations
- Initiate Research–Industry Partnership Projects
- Conduct Curriculum Effectiveness Review & complete Advanced Labs

#### **Targets:**

- 85% graduate employment in environmental sector
- Starting salary 20% above average
- Alumni satisfaction 4.5/5

### **Monitoring & Evaluation Framework**

**Bi-Monthly Tracking:** Review student feedback, faculty development, and partnership progress

**Quarterly Review:** Stakeholder satisfaction, curriculum effectiveness, industry alignment

**Annual Evaluation:** Comprehensive program assessment, graduate employment tracking, strategic updates

### **Key Performance Indicators (KPIs)**

#### **Student Success:**

- Course satisfaction  $\geq 90\%$
- Practical skills competency
- Internship completion

#### **Alumni Engagement:**

- Mentorship participation
- Career advancement tracking
- Contribution to curriculum

#### **Industry Integration:**

- Active partnerships & sponsored projects
- Graduate employment quality

#### **Faculty Development:**

- Professional training completion
- Innovative teaching adoption
- Research collaboration outputs

### **Monitoring & Evaluation**

- **Bi-Monthly:** Student feedback, faculty development, partnership progress
- **Quarterly:** Stakeholder satisfaction, curriculum effectiveness, industry alignment

- **Annual:** Full program assessment, graduate employment tracking, strategic planning

#### **Key Performance Indicators (KPIs)**

- **Student Success:**  $\geq 90\%$  course satisfaction, strong practical skills, internship completion
- **Alumni Engagement:** Mentorship participation, career advancement tracking
- **Industry Integration:** Active partnerships, high-quality employment outcomes
- **Faculty Development:** Professional training completion, innovative teaching, research collaboration outputs

#### **Conclusion**

Stakeholder feedback demonstrates that the Environmental Engineering Department maintains a high standard of academic quality and practical training. To further enhance outcomes and industry readiness, strategic improvements in curriculum design, experiential learning, alumni engagement, and faculty development are essential. Adoption of these measures will ensure the department produces competent, innovative, and industry-prepared graduates while sustaining academic excellence.



## Electronics and Instrumentation Engineering- Stakeholder Feedback Analysis

The primary objective of this stakeholder feedback analysis was to gain insights into the curriculum, teaching methodologies, and student development processes from diverse stakeholders. The feedback collected revealed general satisfaction with faculty involvement, curriculum structure, and student progression, along with specific suggestions on employability enhancement, industry alignment, and curriculum updates. Stakeholders expressed a need for more practical exposure, skill-based training, and continuous mentoring.

### Stakeholder Feedback Summary

#### Students:

- Appreciated availability and cooperation of faculty.
- Requested updates in curriculum to include more current technologies.
- Emphasized the need for improved infrastructure and practical exposure.
- Sought additional opportunities for skill development and industry training.

#### Employers:

- Expressed need for curriculum alignment with current industry standards.
- Suggested inclusion of soft skills, leadership, and real-time project experiences.
- Advocated for enhanced technical training and internships.

#### Alumni:

- Felt the curriculum provided a good base but needed periodic updates.
- Highlighted the importance of continuous learning opportunities and technical workshops.
- Stressed the value of career counseling and industry readiness programs.

#### Parents:

- Emphasized employability and practical skill development.
- Suggested greater emphasis on personality development and communication skills.
- Highlighted the role of mentoring for holistic student development.

#### Teachers:

- Suggested increased curriculum flexibility and regular syllabus revision.
- Recommended better access to digital resources and modern teaching tools.
- Requested time and support for research and academic development.

### Key Observations

- Common appreciation for faculty engagement and student support.
- Demand for regular curriculum updates across all stakeholder groups.
- Need for strengthening industry-academic linkages.
- Gaps noted in practical training, digital infrastructure, and soft skills development.
- Stakeholders unanimously emphasized the importance of employability and industry readiness.

### Recommendations

- Revise and update curriculum periodically in consultation with industry experts.
- Integrate internships, live projects, and industry visits into academic schedules.
- Organize workshops on soft skills, leadership, and entrepreneurship.
- Improve laboratory facilities, digital infrastructure, and access to learning resources.
- Enhance faculty training and support mechanisms for research and modern teaching practices.
- Establish structured mentoring and career counselling programs.

## **Implementation Timeline and Evaluation Framework**

### **Phase 1: Foundation Building (0–6 Months)**

#### **Key Actions**

- Enhance industry engagement
- Improved Alumni Engagement
- Upgrade laboratories and instrumentation facilities
- Launch Alumni Mentorship Platform and Guest Lecture Series

#### **Targets**

- 5 active industry partnerships
- 40% increase in alumni participation
- 95% student satisfaction with practical and lab components

### **Phase 2: Program Enhancement (6–12 Months)**

#### **Key Actions**

- Introduce Internship Preparation Program and Advanced Electronics/Data Analytics Modules
- Start Interdisciplinary Projects (e.g., IoT, automation, robotics)
- Establish Professional Certification Partnerships
- Launch Entrepreneurship Course and Soft Skills Training

#### **Targets**

- 90% internship placement rate
- 70% professional certification completion
- 4.5/5 industry feedback on graduate competency

### **Phase 3: Excellence Achievement (12–18 Months)**

#### **Key Actions**

- Implement Variable Credit System and International Collaboration Programs
- Initiate Research–Industry Partnership Projects
- Conduct Curriculum Effectiveness Review and Complete Advanced Instrumentation Labs

#### **Targets**

- 85% employment rate in electronics/instrumentation sector
- Starting salary 20% above industry average
- Alumni satisfaction 4.5/5

## **Monitoring & Evaluation Framework**

### **Bi-Monthly Tracking (Every 2 Months)**

- Review student feedback and lab performance
- Track faculty development and industry partnerships progress

### **Quarterly Review (Every 3 Months)**

- Evaluate stakeholder satisfaction and curriculum effectiveness
- Assess alignment with emerging electronics/instrumentation technologies

### **Annual Evaluation (Once a Year)**

- Conduct full program outcome assessment
- Review graduate employment, alumni success, and placement trends
- Update strategic plan for the next cycle

## **Key Performance Indicators (KPIs)**

### **Student Success**

- Course satisfaction  $\geq 90\%$
- Strong practical and instrumentation skills
- Internship completion rate

### **Alumni Engagement**

- Active participation in mentorship programs
- Contribution to curriculum and career development

**Industry Integration**

- Sustained partnerships and sponsored projects
- High-quality employment outcomes

**Faculty Development**

- Ongoing professional training
- Adoption of innovative teaching and research methods

**Conclusion**

The stakeholder feedback has provided valuable insights into the strengths and areas for improvement in academic and institutional processes. By addressing the suggested areas, the department can significantly enhance its educational outcomes, improve student readiness for the industry, and foster a more dynamic and responsive learning environment. The implementation of these recommendations is expected to bridge existing gaps and promote holistic growth for all stakeholders involved.

## **Electrical and Electronics Engineering - Stakeholder Feedback Analysis**

The Electrical and Electronics Engineering (EEE) department engaged multiple stakeholder's students, alumni, faculty, parents, and employers to assess curriculum effectiveness and delivery. Feedback analysis reveals strong faculty confidence in curriculum structure, high parent satisfaction, and clear strengths in industry-aligned initiatives. However, moderate alumni ratings on job preparation and identified student concerns around curriculum relevance to industry highlight areas for focused improvement.

### **Stakeholder Feedback Summary**

#### **Student**

##### **Strong Performance Areas:**

- 70-80% of students rated course aims, outcomes, and fairness of assessments as excellent/very good
- 75% agreed that resources and study materials were accessible and useful
- 70% appreciated encouragement for self-learning and interdisciplinary exposure

##### **Improvement Opportunities:**

- Only 50-60% rated curriculum as strongly relevant to industry demands
  - 40% expressed electives not fully streamlined or industry-focused
  - 35% requested enhanced soft-skill and professional training courses
- Faculty Feedback Analysis

#### **Alumni**

##### **Positive Indicators:**

- 70% satisfied with collaboration, communication, and lifelong learning
- 65% agreed that assessment was transparent and resources were adequate

##### **Significant Gaps Identified:**

- Only ~40% felt adequately prepared for job roles
- Around 35% rated industry alignment of electives as satisfactory, not excellent

#### **Parent**

##### **Positive Indicators:**

- 85-90% of parents are satisfied with employability support and higher education readiness
- 100% rated mentoring and holistic development as adequate or better
- 80% agreed on curriculum's updated technological content

**Significant Gaps Identified:**

- 20-25% requested more emphasis on sustainable energy

**Faculty****Positive Indicators:**

- 100% of faculty are satisfied with autonomy in course delivery and curriculum update opportunities
- 100% agreed curriculum balances theory and practice
- 95% endorsed infrastructure, research support, and innovative pedagogy opportunities

**Significant Gaps Identified:**

- Only 40-50% felt curriculum develops entrepreneurship skills sufficiently

**Strengths**

- Outstanding Employer Satisfaction: 100% excellent/very good ratings on curriculum design freedom, infrastructure, and academic autonomy
- Parent Satisfaction: Strong confidence in holistic student development, mentoring, and balance between theory and practice
- Curriculum Modernization: Positive acknowledgement of new course introductions in EV technology, AI/ML, microgrids, and renewable energy

**Priority Enhancement Areas**

- Alumni Job Readiness: Mixed feedback, with only ~40-50% rating curriculum as excellent/very good for job relevance and preparedness
- Industry Alignment: Around 30-35% of students identified gaps in practical exposure and streamlined electives
- Student Participation: Limited engagement (~30%) in curriculum design decisions
- Employer Inputs: Calls for stronger EV, renewable energy, and semiconductor integration

**Implementation Timeline and Evaluation Framework****Phase 1 (0-6 months):**

- Short-term certification courses (EV, AI/ML, IoT)
- Expanded internships and industry visits
- Parent communication platform



**Phase 2 (6-12 months):**

- Alumni mentorship programs and industry advisory committee
- Simulator-based lab enhancements
- Entrepreneurship workshops

**Phase 3 (12-18 months):**

- Integration of industry certifications
- Dedicated EV/renewable energy research and training cell
- Cross-stakeholder advisory and feedback cycles

**Monitoring & Evaluation Framework****Bi-Monthly Tracking (Every 2 Months)**

- Review student feedback and lab performance
- Track faculty development and industry partnerships progress

**Quarterly Review (Every 3 Months)**

- Evaluate stakeholder satisfaction and curriculum effectiveness
- Assess alignment with emerging electronics/instrumentation technologies

**Annual Evaluation (Once a Year)**

- Conduct full program outcome assessment
- Review graduate employment, alumni success, and placement trends
- Update strategic plan for the next cycle

**Key Performance Indicators (KPIs)****Student Success**

- Course satisfaction  $\geq 90\%$
- Strong practical and instrumentation skills
- Internship completion rate

**Alumni Engagement**

- Active participation in mentorship programs
- Contribution to curriculum and career development

**Industry Integration**

- Sustained partnerships and sponsored projects
- High-quality employment outcomes

**Faculty Development**

- Ongoing professional training
- Adoption of innovative teaching and research methods

**Conclusion**

The EEE department demonstrates strong foundations in curriculum design, resource adequacy, and stakeholder satisfaction, particularly among faculty, parents, and employers. However, moderate alumni confidence in job readiness and student concerns over industry relevance require targeted action. By strengthening industry exposure, embedding entrepreneurship and sustainability, and leveraging excellent employer collaboration, the department can elevate its position to deliver graduates who are not just academically sound but also industry-ready leaders in Electrical and Electronics Engineering.

## Information Science and Engineering- Stakeholder Feedback Analysis

This analysis presents a detailed synthesis of department of Information Science and Engineering stakeholder feedback collected from students, alumni, employers, faculty, and parents of The key findings show a strong culture of discipline, academic support, and faculty dedication. However, stakeholders commonly emphasized the need for enhanced industry exposure, curriculum updates, placement assistance, and co-curricular initiatives.

### Stakeholder Feedback Summary

- Students expressed satisfaction with faculty involvement, academic discipline, and internal evaluation systems. Highlighted the need for skill enhancement programs
- Employers suggested curriculum to integrate real-time industry use cases and
- Alumni acknowledged the foundational academic training provided by the institution.
- Parents appreciated the safe environment, faculty accessibility, and student monitoring mechanisms. Encouraged more structured career guidance programs and updates on student progress.
- Faculty endorsed the quality of the course content and its effective delivery, reinforcing the strengths highlighted by student feedback

### Implementation Timeline and Evaluation Framework

#### Phase 1: Foundation Building (0–6 Months)

##### Key Actions

- Enhance Alumni Engagement
- Upgrade computer labs, software, and networking facilities
- Launch Alumni Mentorship initiatives and Guest Lecture Series

##### Targets

- 5 active industry partnerships
- 40% increase in alumni participation
- 95% student satisfaction with practical, coding, and lab components

#### Phase 2: Program Enhancement (6–12 Months)

##### Key Actions

- Introduce Internship Preparation Program and Advanced AI, Data Analytics, and Cybersecurity Modules
- Start Interdisciplinary Projects (e.g., IoT, ML, Cloud Computing)
- Establish Professional Certification Partnerships (AWS, Python, Cybersecurity, AI)

##### Targets

- 90% internship placement rate
- 70% professional certification completion
- 4.5/5 industry feedback on graduate competency

#### Phase 3: Excellence Achievement (12–18 Months)

##### Key Actions

- Implement International Collaboration Programs



- Initiate Research–Industry Partnership Projects
- Conduct Curriculum Effectiveness Review and Complete Advanced Labs and Simulation Facilities

#### **Targets**

- 85% employment rate in IT/software/tech sector
- Starting salary 20% above industry average
- Alumni satisfaction 4.5/5

#### **Monitoring & Evaluation Framework**

##### **Bi-Monthly Tracking (Every 2 Months)**

- Review student feedback, project outcomes, and lab performance
- Track faculty development and industry partnerships progress

##### **Quarterly Review (Every 3 Months)**

- Evaluate stakeholder satisfaction and curriculum effectiveness
- Assess alignment with emerging IT and software industry trends

##### **Annual Evaluation (Once a Year)**

- Conduct full program outcome assessment
- Review graduate employment, alumni success, and placement trends
- Update strategic plan for the next cycle

#### **Key Performance Indicators (KPIs)**

##### **Student Success**

- Course satisfaction  $\geq 90\%$
- Strong practical, programming, and project skills
- Internship completion rate

##### **Alumni Engagement**

- Active participation in mentorship programs
- Contribution to curriculum and career development

##### **Industry Integration**

- Sustained partnerships and sponsored projects
- High-quality employment outcomes

##### **Faculty Development**

- Ongoing professional training
- Adoption of innovative teaching and research methods

#### **Conclusion**

The comprehensive stakeholder feedback affirms the department commitment to academic excellence. However, sustained attention is required in enhancing curriculum relevance, industry preparedness, and co-curricular integration.. A structured action plan aligned with these insights will ensure progress toward becoming a centre of excellence.



## **Department of Industrial Production – Stakeholder Feedback Analysis**

### **Overview:**

The Department of Industrial Production undertook an in-depth review of the 2023–24 curriculum from systematic feedback from the most important stakeholders: employers, staff, parents, graduates, and students. The purpose was to evaluate the effectiveness of the curriculum as it stands and determine areas of development.

### **Stakeholder Feedback Summary**

Students provided valuable input, suggesting industrial alignment to enhance practical exposure and requested for elective subjects and interdisciplinary courses to expand their learning opportunities. Alumni expressed overall satisfaction with the current curriculum, emphasizing its effectiveness. However, they also echoed the students' call for more industry exposure and encouragement for lifelong learning. Parents showed strong approval of the existing curriculum, reflecting confidence in the academic structure and content being delivered. Employers positive response confirms that the program is successfully meeting professional standards and expectations. Faculty reflect their agreement and satisfaction with the curriculum's structure and content.

### **Strengths:**

- stakeholder reviews are excellent across curriculum relevance, teaching methodology, and student progress.
- Alignment with industry expectations.
- Positive reviews from alumni and faculty.
- Transparent and well-received evaluation mechanisms.

### **Priority Enhancement Areas:**

- Industrial Exposure: Increased visits and potential internships needed to improve practical learning.
- Interdisciplinary electives: Consider inclusion of a greater number of electives to enable deeper student engagement and output.

## **Implementation Timeline and Evaluation Framework**

### **Immediate Action Items (0–6 Months)**

#### **Industry Partnership Enhancement:**

- Formal internship programs with manufacturing and production companies
- Quarterly industry expert sessions
- Advisory panel for curriculum review

#### **Alumni Engagement Initiative:**

- Structured mentorship program



- Guest lecture series
- Expanded feedback system

**Practical Learning Enhancement:**

- Expand hands-on lab and production simulation sessions
- Introduce case study-based and real-world industrial problem-solving projects

**Medium-Term Initiatives (6–18 Months)**

**Curriculum Modernization:**

- Integrate Automation, IoT, Data Analytics, and Lean Manufacturing concepts
- Entrepreneurship & industrial innovation courses
- Interdisciplinary programs with Mechanical and Electronics departments

**Industry Readiness Program:**

- Mandatory final-year internships in production/industry
- Professional certification programs (Lean Six Sigma, Automation tools, ERP)
- Soft skills and communication modules

**Monitoring & Evaluation**

- **Bi-Monthly:** Student feedback, lab/project performance, faculty development, partnership progress
- **Quarterly:** Stakeholder satisfaction, curriculum effectiveness, industry alignment
- **Annual:** Comprehensive program assessment, graduate employment tracking, strategic updates

**Key Performance Indicators (KPIs)**

- **Student Success:**  $\geq 90\%$  course satisfaction, strong practical & production skills, internship completion
- **Alumni Engagement:** Mentorship participation, career advancement tracking, curriculum contribution
- **Industry Integration:** Active partnerships, sponsored projects, graduate employment quality
- **Faculty Development:** Professional training completion, innovative teaching adoption, research collaboration outputs

**Conclusion:**

The Department of Industrial Production has successfully engaged stakeholders and responded proactively to feedback. The curriculum remains highly relevant to the present-day technological advancements, with minor yet valuable improvements planned to output highly knowledgeable students.

## **Mechanical Engineering - Stakeholder Feedback Analysis**

The stakeholder feedback analysis reveals a critical need for curriculum modernization and industry alignment in the Mechanical Engineering program. Both current students and alumni consistently emphasize the gap between academic instruction and industry requirements, particularly in software proficiency, practical skills, and contemporary manufacturing technologies.

### **Stakeholder Feedback Summary**

#### **Student**

- More hands-on learning opportunities
- Need for corporate skills and professional development training
- Equipment and infrastructure require upgrading
- Integration of ANSYS, SolidWorks, CATIA, NX CAD, Python
- Welding laboratory subject addition
- Sheet metal designing in CAD lab
- Dimensional measurement techniques for machine parts
- AI and automation workshops

#### **Alumni**

- Critical skills gap in design software proficiency
- Mathematical foundation needs strengthening
- Industry procedures and professional skills lacking
- Geometric Dimensioning and Tolerancing (GD&T) training
- Real-time problem-solving with industrial examples
- Advanced simulation capabilities (FEM, CFD)
- Stronger placement and higher education support

#### **Employers**

- Suggested integration of practical exposure, real-time project work into the curriculum.
- Pointed out a gap in soft skills, professionalism, and team collaboration abilities among students.
- Recommended frequent industry-institute interactions

#### **Faculty**

- Enhanced practical training with welding and sheet metal design
- Stronger industry partnerships and internship programs
- Updated mathematical foundations and simulation capabilities
- Project-based learning with real-world applications



## **Implementation Timeline and Evaluation Framework**

### **Immediate Action Items (0-6 months)**

#### **Software Integration Initiative**

- Develop curriculum modules integrating ANSYS, SolidWorks, CATIA, NX CAD tools across subjects
- Train faculty on industry-standard software

#### **Laboratory Enhancement Program**

- Add welding practice to workshop curriculum (3rd semester)
- Include sheet metal design features in CAD lab
- Upgrade practical equipment and tools

#### **Industry Engagement Framework**

- Establish formal partnerships with local manufacturing companies
- Create structured internship program starting from 2nd year
- Schedule quarterly workshops with industry experts

### **Medium-term Initiatives (6-18 months)**

#### **Curriculum Restructuring**

- Make core subjects mandatory rather than elective
- Add specialized courses: GD&T, CFD, Refrigeration & Air-conditioning
- Integrate AI and automation in manufacturing topics

#### **Pedagogical Innovation**

- Implement project-based learning methodology
- Introduce flipped classroom techniques
- Develop case study database with real industry problems

#### **Assessment Reform**

- Introduce continuous assessment methods
- Include practical problem-solving evaluations
- Create industry-validated skill assessments

### **Monitoring & Evaluation**

- **Bi-Monthly:** Student feedback, lab/project performance, faculty development, partnership progress
- **Quarterly:** Stakeholder satisfaction, curriculum effectiveness, industry alignment
- **Annual:** Comprehensive program assessment, graduate employment tracking, strategic updates

**Key Performance Indicators:**

- **Student Success:**  $\geq 90\%$  course satisfaction, strong practical & production skills, internship completion
- **Alumni Engagement:** Mentorship participation, career advancement tracking, curriculum contribution
- **Industry Integration:** Active partnerships, sponsored projects, graduate employment quality
- **Faculty Development:** Professional training completion, innovative teaching adoption, research collaboration outputs

**Conclusion**

The stakeholder feedback of mechanical engineering clearly indicates a need for comprehensive curriculum modernization focusing on industry alignment, practical skills development, and professional readiness. Regular monitoring and adaptation will ensure the program remains relevant and effective in preparing students for successful careers in mechanical engineering.

## **Polymer Science and Technology - Stakeholder Feedback Analysis**

The Department of Polymer Science and Technology conducted a detailed analysis of curriculum-related feedback from key stakeholders for the academic year 2023–24. The department has actively responded to the feedback by implementing curriculum reforms that enhance practical exposure, innovation, and future readiness.

### **Stakeholder Feedback Summary**

The following key observations and suggestions have emerged from the overall feedback collected from various stakeholders, including students, faculty, alumni, employers, and parents, regarding the curriculum and student development initiatives:

- There is a strong recommendation to develop entrepreneurship skills among students through interdepartmental collaboration. This will encourage innovation and prepare students for self-employment and startup opportunities in the polymer sector.
- More efforts are needed to create awareness about the significance of polymers among students. Outreach programs and promotional initiatives are also required to connect with leading companies to improve recruitment prospects for students in reputed firms.
- It is suggested to introduce a dedicated course on polymer additives, regulatory standards, and compliance. This will enhance students' understanding of industrial requirements and product safety regulations.
- The curriculum should give priority to sustainable practices such as the design of recyclable polymers, use of biodegradable materials, plastic waste reduction, and closed-loop recycling systems. These topics are critical to address global environmental concerns.
- Students should be given opportunities to work on formulations tailored to environmental conditions, understand failure modes, and practice corrective action planning. Greater exposure to advanced characterization techniques should be incorporated into the learning process.
- To improve industry readiness, students should interact more frequently with industry experts and professionals. Presentations on recent advancements in the polymer and rubber industries are encouraged. Regular small-batch industrial visits should be organized for hands-on exposure.
- The curriculum must be forward-looking, designed to stay relevant for the next two decades. Emphasis should be placed on practical applications, real-world problem-solving, and technological advancements in the polymer field.

### **Strengths**

- Upgraded polymer labs, characterization, and processing facilities
- Strong student satisfaction: 95%+ in practical, lab, and project components
- New courses: Polymer Processing, Biopolymers, Polymer Nanocomposites, Sustainable Materials

**Priority Enhancement Areas:**

- More industrial visits should be arranged regularly in small batches. Project-based learning must be encouraged across semesters. Students should get regular hands-on training, including workshops and live demos on advanced testing methods. Internship opportunities should be extended and improved through stronger industry partnerships.
- Programs on CAD/CAM, 3D printing, IoT in polymers, and quality control should be introduced. Students must also receive training in soft skills and personality development. Entrepreneurship should be promoted through activities like the Innovation Council and the REVAMP club.
- New topics such as polymer additives, sustainable polymers, and recycling techniques should be added. Courses must reflect future industry trends and environmental awareness, including biodegradable materials and regulatory standards.
- Involve alumni and industry experts in curriculum development and mentoring. Organize more expert talks and seminars from professionals in the polymer and rubber industries.

**Implementation Timeline and Evaluation Framework****Immediate Action Items (0–6 Months)****Industry Partnership Enhancement:**

- Formal internship programs with polymer and materials industries
- Quarterly industry expert sessions
- Advisory panel for curriculum review

**Alumni Engagement Initiative:**

- Structured mentorship program
- Guest lecture series
- Expanded feedback system

**Practical Learning Enhancement:**

- Expand hands-on lab, pilot-scale processing, and testing sessions
- Introduce case study-based and real-world polymer problem-solving projects

**Medium-Term Initiatives (6–18 Months)****Curriculum Modernization:**

- Integrate Polymer Engineering, Sustainability, Biopolymers, and Advanced Materials modules
- Entrepreneurship & polymer innovation courses
- Interdisciplinary programs with Chemical and Mechanical Engineering departments

**Industry Readiness Program:**

- Mandatory final-year internships in polymer/chemical industries
- Professional certification programs (polymer processing, materials testing, sustainability)
- Soft skills and communication modules

**Monitoring & Evaluation**

- **Bi-Monthly:** Student feedback, lab/project performance, faculty development, partnership progress
- **Quarterly:** Stakeholder satisfaction, curriculum effectiveness, industry alignment
- **Annual:** Comprehensive program assessment, graduate employment tracking, strategic updates

**Key Performance Indicators (KPIs)**

- **Student Success:**  $\geq 90\%$  course satisfaction, strong practical & polymer lab skills, internship completion
- **Alumni Engagement:** Mentorship participation, career advancement tracking, curriculum contribution
- **Industry Integration:** Active partnerships, sponsored projects, graduate employment quality
- **Faculty Development:** Professional training completion, innovative teaching adoption, research collaboration outputs

**Conclusion:**

The Department of Polymer Science and Technology shows a strong commitment to continuous improvement through structured feedback analysis and curriculum development. Key reforms focus on enhancing practical exposure, employability skills, and sustainability-driven education. Implementation of these changes is expected to significantly enrich the learning experience and industry readiness of students.

## Department of Chemistry – Stakeholder Feedback Analysis

The Department of Chemistry undertook an in-depth review of the 2023–24 curriculum from systematic feedback from the most important stakeholders: employers, staff, parents, graduates, and students. Inputs were gathered from key stakeholders—including students, alumni, parents, faculty, and employers—to assess the curriculum's relevance, effectiveness, and areas for improvement.

### Stakeholder Feedback Summary

Students provided valuable input, suggesting the inclusion of more industrial visits to enhance practical exposure and requested the introduction of innovative and open elective subjects to expand their learning opportunities. Alumni expressed overall satisfaction with the current curriculum, emphasizing its effectiveness. However, they also echoed the students' call for more industry exposure. Parents showed strong approval of the existing curriculum, reflecting confidence in the academic structure and content being delivered. Employers positive response indicate that they find it relevant and aligned with industry requirements. The program is successfully meeting professional standards and expectations. The Board of Studies also appreciated the recommendation for more diverse elective options and acknowledged the need to implement such changes. This consensus among faculty highlights internal coherence and the effectiveness of the curriculum.

### Strengths:

- High stakeholder satisfaction across curriculum relevance, teaching methodology, and student progress.
- Alignment with industry expectations.
- Positive engagement from alumni and faculty.
- Transparent and well-received evaluation mechanisms.

### Priority Enhancement Areas:

- **Industrial Exposure:** Increased visits and potential internships needed to improve practical learning.
- **Project Work Duration:** Consider extension or restructuring to enable deeper student engagement and output.

### Implementation Timeline and Evaluation Framework

#### Phase 1: Foundation Building (0–6 Months)

##### Key Actions

- Enhance Alumni Engagement
- Upgrade research laboratories
- Launch Alumni Mentorship Platform and Guest Lecture Series

## **Phase 2: Program Enhancement (6–12 Months)**

### **Key Actions**

- Introduce Internship Preparation Program and Advanced Analytical Techniques Modules
- Start Interdisciplinary Projects (e.g., material chemistry, environmental chemistry)
- Establish Professional Certification Partnerships
- Launch Entrepreneurship Course and Soft Skills Training

## **Phase 3: Excellence Achievement (12–18 Months)**

### **Key Actions**

- International Collaboration Programs
- Initiate Research–Industry Partnership Projects
- Conduct Curriculum Effectiveness Review

## **Monitoring & Evaluation Framework**

### **Bi-Monthly (Every 2 Months)**

- Review student feedback and lab performance
- Track faculty development and industry partnerships progress

### **Quarterly (Every 3 Months)**

- Evaluate stakeholder satisfaction and curriculum effectiveness
- Assess alignment with emerging chemical and pharmaceutical technologies

### **Annual Evaluation (Once a Year)**

- Conduct full program outcome assessment
- Review graduate employment, alumni success, and research outputs
- Update strategic plan for the next cycle

## **Key Performance Indicators (KPIs)**

- **Student Success:**  $\geq 90\%$  course satisfaction, strong practical and laboratory skills, internship completion
- **Alumni Engagement:** Active mentorship participation, curriculum contribution, career advancement tracking

- **Industry Integration:** Sustained partnerships, sponsored projects, high-quality employment outcomes
- **Faculty Development:** Professional training completion, adoption of innovative teaching and research methods

**Conclusion:**

The department of Chemistry has successfully engaged stakeholders and responded proactively to feedback. The curriculum remains robust and relevant, with minor yet valuable improvements planned to enrich student learning experiences

## Department of Mathematics - Stakeholder Feedback Analysis

A comprehensive curriculum feedback analysis for the academic year 2023–24 was conducted in the department of Mathematics. The analysis highlights high overall satisfaction and offers recommendations to further strengthen the curriculum.

### Stakeholder Feedback Summary

- Students appreciated that the curriculum is relevant to real-life situations and industry needs. They also valued the opportunities provided through interdisciplinary and co-/extra-curricular activities. Many students felt they had a role in shaping the curriculum, which made them feel more involved and heard.
- The department facilities and teaching resources were also rated highly, along with the clear structure of course outcomes and duration.
- Assessment methods were seen as fair and transparent, and students noted that the curriculum keeps pace with technological advancements.
- Students expressed their appreciation for the interdisciplinary elective courses offered by the department, finding them valuable and engaging. In terms of suggestions, many students recommended introducing summer internship opportunities to gain practical, real-world experience.
- Feedback from other stakeholders, including employers, alumni, parents, and teachers, was generally positive. They expressed overall satisfaction with the existing curriculum, indicating that it is well-aligned with academic and professional expectations. No major changes or revisions were suggested.
- Faculty endorsed the quality of the course content and its effective delivery, reinforcing the strengths highlighted by student feedback.

### Strengths:

The Department of Mathematics maintains a robust, relevant, and well-received curriculum. Students value the academic structure, resource support, and interdisciplinary options.

### Priority Enhancement Areas:

To prepare students for real-world challenges, the department should introduce structured internship programs. Provide hands-on experience in applying their mathematical knowledge. Update courses periodically to stay aligned with both industry needs and student interests.



## **Implementation Timeline and Evaluation Framework**

### **Phase 1: Foundation Building (0–6 Months)**

#### **Key Actions**

- Enhance Alumni Engagement
- Launch Alumni Mentorship Platform and Guest Lecture Series

### **Phase 2: Program Enhancement (6–12 Months)**

#### **Key Actions**

- Start Interdisciplinary Projects
- Establish Professional Certification Partnerships

### **Phase 3: Excellence Achievement (12–18 Months)**

#### **Key Actions**

- International Collaboration Programs
- Initiate Research–Industry Partnership Projects
- Conduct Curriculum Effectiveness Review

## **Monitoring & Evaluation Framework**

### **Bi-Monthly (Every 2 Months)**

- Review student feedback
- Track faculty development and industry partnerships progress

### **Quarterly (Every 3 Months)**

- Evaluate stakeholder satisfaction and curriculum effectiveness
- Assess alignment with emerging areas

### **Annual Evaluation (Once a Year)**

- Conduct full program outcome assessment
- Review graduate employment, alumni success, and research outputs
- Update strategic plan for the next cycle

### **Key Performance Indicators (KPIs)**

- **Student Success:**  $\geq 90\%$  course satisfaction, strong practical and laboratory skills, internship completion
- **Alumni Engagement:** Active mentorship participation, curriculum contribution, career advancement tracking
- **Industry Integration:** Sustained partnerships, sponsored projects, high-quality employment outcomes
- **Faculty Development:** Professional training completion, adoption of innovative teaching and research methods

**Conclusion:**

The department of Mathematics is delivering a well-structured and effective curriculum. Continued collaboration with stakeholders will ensure the curriculum remains dynamic, relevant, and responsive to both student aspirations and industry developments.



## **Master of Computer Applications - Stakeholder Feedback Analysis**

The department of computer applications conducted a detailed analysis of curriculum-related feedback from key stakeholders for the academic year 2023–24. The department has actively responded to the feedback by implementing curriculum reforms that enhance practical exposure, innovation, and future readiness.

### **Stakeholder Feedback Summary**

- Students expressed satisfaction with faculty involvement, academic discipline, and internal evaluation systems. Highlighted the need for skill enhancement programs
- Employers suggested curriculum to integrate real-time industry use cases and
- Alumni acknowledged the foundational academic training provided by the institution.
- Parents appreciated the safe environment, faculty accessibility, and student monitoring mechanisms. Encouraged more structured career guidance programs and updates on student progress.
- Faculty endorsed the quality of the course content and its effective delivery, reinforcing the strengths highlighted by student feedback

### **Implementation Timeline and Evaluation Framework**

#### **Phase 1: Foundation Building (0–6 Months)**

##### **Key Actions**

- Enhance Alumni Engagement
- Upgrade software labs, cloud infrastructure, and development environments
- Launch Alumni Mentorship initiatives

#### **Phase 2: Program Enhancement (6–12 Months)**

##### **Key Actions**

- Introduce Internship Preparation Program and Advanced Modules (AI, ML, Data Analytics, Cloud Computing)
- Start Interdisciplinary Projects (IoT, Cybersecurity, Mobile Apps)
- Establish Professional Certification Partnerships (AWS, Azure, Python, Java, etc.)
- Launch Entrepreneurship Course and Soft Skills Training

#### **Phase 3: Excellence Achievement (12–18 Months)**

##### **Key Actions**

- Implement Variable Credit System and International Collaboration Programs
- Initiate Research–Industry Partnership Projects

- Conduct Curriculum Effectiveness Review and Complete Advanced Labs/Cloud Infrastructure

### **Monitoring & Evaluation Framework**

#### **Bi-Monthly (Every 2 Months)**

- Review student feedback and lab/project performance
- Track faculty development and industry partnerships

#### **Quarterly (Every 3 Months)**

- Evaluate stakeholder satisfaction and curriculum effectiveness
- Assess alignment with emerging IT and software trends

#### **Annual Evaluation (Once a Year)**

- Conduct full program outcome assessment
- Review graduate employment, alumni success, and research/project outputs
- Update strategic plan for next cycle

### **Key Performance Indicators (KPIs)**

- **Student Success:**  $\geq 90\%$  course satisfaction, strong practical & programming skills, internship/project completion
- **Alumni Engagement:** Mentorship participation, career advancement tracking, contribution to curriculum development
- **Industry Integration:** Sustained partnerships, sponsored projects, high-quality graduate employment outcomes
- **Faculty Development:** Professional training completion, adoption of innovative teaching methods, research collaboration outputs

### **Conclusion**

The stakeholder feedback underscores the department existing strengths in academic integrity, faculty commitment, and value-based education. Effective implementation of these recommendations will transform the department into a future-ready, industry-aligned center of academic excellence.



## **MBA - Stakeholder Feedback Analysis**

A comprehensive curriculum feedback analysis for the academic year 2023–24 was conducted in the department. The analysis highlights high overall satisfaction and offers recommendations to further strengthen the curriculum.

### **Stakeholder Feedback Summary**

#### **MBA**

- Students suggested to focus on practical applications on current industry trends. There is a need of more interdisciplinary course. The curriculum should contain more practical course. Employers suggested to offer more interdisciplinary course. Alumni suggested that curriculum should align as per the job requirement of the industry. Parents expressed need for value added course and need for holistic development of the ward. Faculty felt curriculum offer adequate freedom for developing and designing the curriculum.

#### **MBA (Finance Management)**

- The students suggested to introduce value added course and modify content in IV semester. Employers emphasized on lifelong learning and higher learning through on job training. The Alumni have suggested to modify subjects like Business Ethics and Corporate Governance, Written Analysis and Communication, Spreadsheet lab, Consumer Behaviour. Faculty have given thought on credit distribution and with respect to the same the following subjects were altered with respect to both credits and content. Management and Organizational Behaviour, Business Economics, IT for Managers, Business Research Methodology, Project Management



#### **MBA (Retail Management)**

- The students expressed need to modify subjects like Personal selling and Sales Management. Retail Promotion Management Employers suggested the curriculum should emphasize on lifelong learning and higher learning through on job training. The Alumni have suggested to modify subjects like Business Ethics and Corporate Governance, Written Analysis and Communication, Spreadsheet lab. Faculty have given thought on credit distribution and with respect to the same the following subjects were altered with respect to both credits and content. Management and Organizational Behavior, Business Economics, IT for Managers, Business Research Methodology, Retailing Theory and concepts, Retail strategy and competitive analysis, Product and Brand Management.

## **MBA (Digital marketing)**

- The students expressed need to introduce subjects like Digital Entrepreneurship, Lead Generation and Affiliate Marketing, Marketing and Web Analytics and Fundamentals of Cyber Security . Employer suggested to have contents to assist the students in working productively in multidisciplinary work. The Alumni have suggested to modify subjects like Business Ethics and Corporate Governance, Written Analysis and Communication; Spreadsheet lab, Consumer Behavior. Faculty have given thought on credit distribution and with respect to the same the following subjects. were altered with respect to both credits and content. Management and Organizational Behavior, Business Economics, IT for Managers, Business Research Methodology, Project Management, Digital Marketing Concepts and Management, Open Elective - Digital Marketing Concepts and Management, Product and Brand Management

## **Implementation Timeline and Evaluation Framework**

### **Phase 1: Foundation Building (0–6 Months)**

#### **Key Actions**

- Enhance Alumni Engagement
- Upgrade business labs, simulation software, and library resources
- Launch Alumni Mentorship initiatives and Guest Lecture Series

### **Phase 2: Program Enhancement (6–12 Months)**

#### **Key Actions**

- Introduce Internship Preparation Program and Advanced Modules (Analytics, Finance, Marketing, HR, Strategy)
- Start Interdisciplinary & Live Industry Projects
- Establish Professional Certification Partnerships (e.g., Six Sigma, CFA, Digital Marketing)
- Launch Entrepreneurship & Soft Skills Development Programs

### **Phase 3: Excellence Achievement (12–18 Months)**

#### **Key Actions**

- Enhance International Collaboration Programs
- Initiate Research–Industry Partnership Projects

- Conduct Curriculum Effectiveness Review

## **Monitoring & Evaluation Framework**

### **Bi-Monthly (Every 2 Months)**

- Review student feedback, case study performance, and project outcomes
- Track faculty development and industry partnerships

### **Quarterly (Every 3 Months)**

- Evaluate stakeholder satisfaction and curriculum effectiveness
- Assess alignment with emerging business and management trends

### **Annual Evaluation (Once a Year)**

- Conduct full program outcome assessment
- Review graduate employment, alumni success, and research/project outputs
- Update strategic plan for next cycle

### **Key Performance Indicators (KPIs)**

- **Student Success:**  $\geq 90\%$  course satisfaction, strong practical & analytical skills, internship/project completion
- **Alumni Engagement:** Mentorship participation, career advancement tracking, contribution to curriculum development
- **Industry Integration:** Sustained partnerships, live projects, high-quality employment outcomes
- **Faculty Development:** Professional training completion, adoption of innovative teaching methods, research collaboration outputs

### **Conclusion**

The stakeholder feedback underscores the department existing strengths in academic integrity, faculty commitment, and value-based education. Effective implementation of these recommendations will transform the department into a future-ready, industry-aligned centre of academic excellence.

