Bansilal Ramnath Agarwal Charitable Trust's

Vishwakarma Institute of Technology
(An Autonomous Institute Affiliated to Savitribai Phule Pune University)
666, Upper Indiranagar, Bibwewadi, Pune 411 037

Department of E&TC Engineering

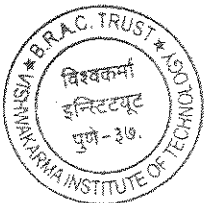## II. Stakeholder's Feedback Report on E&TC Curriculum for AY 2021-22

The Electronics and Telecommunication Engineering curriculum strives to provide students with a comprehensive education that aligns with industry demands and equips them for successful careers. To assess the effectiveness of the curriculum, feedback was collected from stakeholders, including employers, parents, Faculty, alumni, and students. The survey focused on ten key points, each integral to students' educational experience and future employability.

Survey Points:

1. **Bridge the Gap between Industry and Academia.**
2. **Potential for Employability**
3. **Coverage of Latest State-of-the-Art Topics**
4. **Availability of Reference Material and Books**
5. **Blended Learning and Futuristic Pedagogy**
6. **Evaluation Methods for Assessment**
7. **Satisfactory Hands-on Component**
8. **Inclusion of Socially Relevant Issues**
9. **Inputs for Business Acumen and Ethical Practices**
10. **Knowledge gain through project-based learning / project centric learning.**

The average points scored in the survey is listed in the below table

Sr. No	Stake Holder	Count	1	2	3	4	5	6	7	8	9	10
1	Students	25	8.74	8.51	8.91	8.81	8.69	8.89	8.71	8.51	8.94	8.6
2	Teachers	10	9	8.53	8.87	8.47	8.49	8.6	8.53	8.87	8.93	8.53
3	Employers	16	8.65	8.73	8.64	8.74	8.8	8.6	8.55	8.75	8.76	8.59
4	Alumni	17	8.88	8.78	8.66	8.66	8.75	8.7	8.8	8.83	8.74	8.69
5	Parent	15	8.55	8.7	8.82	8.75	8.73	8.76	8.72	8.69	8.68	8.83
	Total	83	8.76	8.65	8.78	8.69	8.69	8.71	8.66	8.73	8.81	8.65

Head, Department of Electronics &
Telecommunication Engineering
Vishwakarma Institute of Technology,
Pune-411037.

Descriptive Feedback Analysis:

Feedback Summary: Electronics and Telecommunication Engineering Curriculum AY 2021-22

Analysis of the responses from students, Faculty, employers, alums, and parents based on the mean scores:

Students:

- Students generally have a positive view of the curriculum.
- Strong points include the alignment with industry, coverage of state-of-the-art topics, evaluation methods, and inputs for business acumen and ethical practices.
- Areas for improvement include enhancing employability potential, the hands-on component, and the inclusion of socially relevant issues.

Teacher:

- Teachers highly appreciate the alignment of the curriculum with industry needs.
- They see the coverage of state-of-the-art topics and the inclusion of socially relevant issues positively.
- Areas for improvement include enhancing employability potential and the availability of reference materials.
- Teacher feedback is generally positive but suggests areas for refining specific aspects of the curriculum such as research and publication.

Employer:

- Employers generally have a positive view of the curriculum, with strengths in employability potential, alignment with industry, coverage of state-of-the-art topics, and inputs for business acumen and ethical practices.
- Areas for potential improvement include the hands-on component and enhancing evaluation methods for assessment.
- Overall, employers' feedback reflects their support for the curriculum with specific suggestions for enhancement such as IoTs, subject based on Machine leanrning and AIs, data sciences.

Alumni :

- Alumni generally have a positive view of the curriculum.
- Strong points include employability potential, alignment with industry, availability of reference materials, and inclusion of socially relevant issues.
- The curriculum could be enhanced in terms of covering the latest state-of-the-art topics.

Head, Department of Electronics &
Telecommunication Engineering
Vishwakarma Institute of Technology,
Pune - 411 037
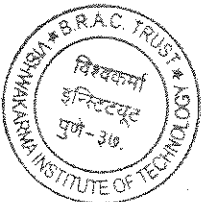
- Overall, alumni feedback indicates satisfaction with the program but suggests a need for further updates in certain areas such as IoTs, ML and AIs, data sciences and Programming and IR related subjects.

Parents:

- Parents generally have a positive view of the curriculum.
- Strengths include employability potential, coverage of state-of-the-art topics, availability of reference materials, and knowledge gained through project-based learning.
- Overall, parents' feedback reflects strong support for the program, with specific areas for potential enhancement as work load of the students.

The feedback analysis for the Electronics and Telecommunication Engineering Curriculum in AY 2021-22 indicates a predominantly positive view across stakeholders. Students emphasize strengths in alignment with industry, state-of-the-art topics, and inputs for business acumen and ethical practices, while suggesting improvements in employability potential and socially relevant issues. Faculty appreciates the curriculum's industry alignment and coverage of relevant topics, with room for enhancement in employability potential and reference material availability. Employers view the curriculum positively, highlighting employability potential, industry alignment, and business acumen and ethics, while suggesting improvements in the hands-on component and assessment methods. Alumni express overall satisfaction with strengths in employability and industry alignment, suggesting a need for updates in contemporary areas. Parents support the curriculum with strengths in employability and topic coverage, with a concern for students' workload.

Head, Department of Electronics &
Telecommunication Engineering
Vishwakarma Institute of Technology,
Pune - 411 037

III. Action proposed for AY 2022-23 based on stake holders feedback for AY 2021-22

Summary of proposed action based on stake holder's feedback on AY 2021-22 curriculum

- In AY 2022-23, courses like Design Thinking, Data Management Protection and Governance, Neural Networks, Network security, Magic XPA/XPI, Neural Network, Data Management Protection and Governance, courses, etc are added to make students industry ready.

Prof. (Dr.) Shripad Bhatlawande
HOD(Electronics & Telecommunication)