

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 2020-21

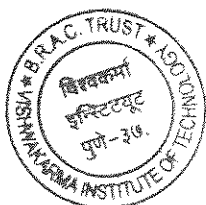
The Electronics and Telecommunication Engineering curriculum strives to provide students with a comprehensive education that aligns with industry demands and equips them for successful careers. To assess the effectiveness of the curriculum, feedback was collected from stakeholders, including employers, 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	27	8.59	8.76	8.52	8.98	8.74	8.98	8.91	9.06	8.11	8.96
2	Teachers	12	8.96	8.89	8.53	8.71	8.81	8.97	8.71	9.01	8.35	8.57
3	Employers	15	8.7	8.82	8.71	8.74	8.86	8.55	8.8	8.84	8.18	8.66
4	Alumni	15	8.66	8.52	8.7	9.07	8.59	8.59	8.85	9.12	8.08	9
5	Parent	15	8.67	9	8.64	8.82	8.82	8.92	9.04	8.5	8.11	8.79
	Total	84	8.716	8.798	8.62	8.864	8.764	8.802	8.862	8.906	8.166	8.796



  
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### Descriptive Feedback Analysis:

#### Feedback Summary: Electronics and Telecommunication Engineering Curriculum AY 2020-21

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

#### Students:

- Students are generally satisfied with employability potential and the hands-on component.
- They feel that socially relevant issues are well incorporated into the curriculum.
- Students are very satisfied with the evaluation methods used for assessment.
- Availability of reference materials and books is highly rated.
- Students have a positive perception of blended learning and futuristic pedagogy.
- Knowledge gain through project-based learning is generally satisfactory.

#### However:

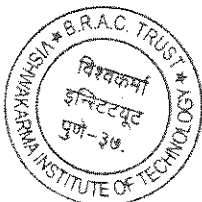
- Students perceive a slight gap between industry and academia, indicating room for improvement.
- There is room for enhancing the coverage of the latest state-of-the-art topics.
- There is a need for improvement in providing inputs for business acumen and ethical practices .


#### Teacher:

- Teachers generally perceive the curriculum positively, with high satisfaction in areas such as employability potential, evaluation methods, and inclusion of socially relevant issues.
- Areas for improvement include enhancing the coverage of state-of-the-art topics and providing more inputs for business acumen and ethical practices.
- Overall, teachers' feedback aligns closely with student feedback, with both groups highlighting similar strengths and areas for enhancement.

#### Employer:

- Employers generally view the curriculum positively, particularly in terms of employability potential, coverage of state-of-the-art topics, and the inclusion of socially relevant issues.
- Areas for improvement include enhancing evaluation methods and providing more inputs for business acumen and ethical practices.



  
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### Alumni :

- Alumni generally have a positive view of the curriculum.
- They highly appreciate the availability of reference materials, the inclusion of socially relevant issues, and knowledge gained through project-based learning.
- Areas for improvement include enhancing employability potential and providing more inputs for business acumen and ethical practices.

### Parents:

- Parents generally have a very positive view of the curriculum.
- They highly appreciate the program's potential for employability, the hands-on component, and evaluation methods.
- Areas for improvement include enhancing coverage of state-of-the-art topics and providing more inputs for business acumen and ethical practices. Overall, parents' feedback is highly supportive of the curriculum.

The feedback analysis for the Electronics and Telecommunication Engineering Curriculum in AY 2020-21, gathered from students, faculty, employers, alumni, and parents, reflects a generally positive perception of the program. Students express satisfaction with employability potential, the hands-on component, and the incorporation of socially relevant issues, but suggest areas for improvement in bridging the industry-academia gap, enhancing coverage of state-of-the-art topics, and providing inputs for business acumen and ethical practices. Teachers and employers similarly highlight strengths in employability potential and socially relevant issues, with suggestions to improve coverage of state-of-the-art topics and inputs for business acumen and ethical practices. Alumni appreciate reference materials and project-based learning, with room for improvement in employability potential and inputs for business acumen and ethics. Parents strongly support the curriculum, emphasizing employability, the hands-on component, and assessment methods, while suggesting enhancements in state-of-the-art topics and inputs for business acumen and ethics.

  
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## III. Action proposed for AY 2021-22 based on stake holders feedback for AY 2020-21

Summary of proposed action based on stake holder's feedback on AY 2020-21 curriculum

1. In the academic year 2021-22, courses are incorporated to enhance students' business acumen, such as Business Proposal Writing and Marketing Management.
2. IT-related courses like Advanced Data Structures, Design and Analysis of Algorithms, Web Technologies, and Operating Systems are introduced to enhance students' employability and prepare them for IT-oriented careers.
3. To prepare students for emerging fields and job opportunities, courses like Artificial Intelligence and Machine Learning Projects, Internet of Things Projects, Cybersecurity, and Cloud Computing are introduced.
4. In the first year, students can enrol for courses such as Human Engineering, Mobile App Development, Data Structures using Python, Design Thinking, and Indian Democracy and Constitution.

  
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