



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 Electronics Engineering

## II. Stakeholder Feedback Report on Electronics Engineering Curriculum AY 2017-18

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 experiential 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	17	8.83	8.9	8.8	8.9	8.1	8.8	8.2	8.8	8.6	8.8
2	Teachers	12	8.8	8.5	8.82	8.7	8.7	8.9	8.21	8.7	8.8	8.9
3	Employers	10	8.7	8.5	8.7	8.7	8.3	8.8	8.3	8.9	8.6	8.6
4	Alumni	12	8.5	8.8	8.9	9	8	8.6	8.4	8.5	8.7	8.8
5	Parent	10	8.6	8.7	8.6	8.7	8	8.5	8.28	8.5	8.5	8.9
	Toal	61	8.7	8.7	8.8	8.8	8.2	8.7	8.3	8.7	8.6	8.8



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### Descriptive Feedback Analysis:

#### Feedback Summary: Electronics Engineering Curriculum AY 2017-18

Analysis of feedback from students, teachers, employers, alumni, and parents, based on the mean scores, yields the following insights:

##### Students:

- Generally, students hold a favourable view of the curriculum.
- Notable strengths include the curriculum's strong potential for employability, its comprehensive coverage of cutting-edge topics, the availability of reference materials, and its incorporation of socially relevant issues.
- Suggested areas for improvement include placing more emphasis on blended learning and enhancing the hands-on component.
- In sum, student feedback reflects a supportive perspective on the program, with an emphasis on employability and staying abreast of industry trends, while also identifying areas for potential improvement, particularly in hands-on or project-based learning.

##### Teachers:

- Teachers, in general, exhibit a positive perception of the curriculum.
- Strong aspects encompass alignment with industry standards, thorough coverage of state-of-the-art topics, effective assessment methods, and the inclusion of socially relevant issues.
- Areas with potential for improvement relate to employability potential and blended learning.

##### Employers:

- Employers, as a group, have a favorable view of the curriculum.
- Notable strengths lie in its alignment with industry requirements, comprehensive coverage of state-of-the-art topics, effective assessment methods, and the inclusion of socially relevant issues.
- Suggested areas for improvement include employability potential and blended learning.
- Overall, employer feedback suggests a robust program, particularly in domain-specific areas like embedded systems, signal processing, VLSI, etc., with room for enhancement.

##### Alumni:

- Alumni, on the whole, hold a positive perspective of the curriculum.
- Strong points include the curriculum's potential for enhancing employability, the availability of reference materials, and its inclusion of socially relevant issues.
- Areas that could benefit from improvement encompass blended learning, the hands-on component, and keeping up with the latest industry trends.
- In summary, alumni feedback indicates satisfaction with the program, highlighting its effectiveness in preparing students for employment while suggesting the need for improvement in areas like project-oriented and research-focused projects.



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Parents:

- Parents, generally, view the curriculum in a positive light.
- Strengths encompass its potential to boost employability, the comprehensive coverage of state-of-the-art topics, the availability of reference materials, and the inclusion of socially relevant issues.
- Areas with potential for improvement relate to blended learning and the hands-on component.
- Overall, parent feedback reflects strong support for the program, with specific areas identified for potential enhancement, such as managing the students' workload.

The feedback analysis of the Electronics Engineering Curriculum for AY 2017-18, collected from students, teachers, employers, alumni, and parents, reveals a prevailing positive perception of the program. Key strengths include a strong potential for employability, thorough coverage of state-of-the-art topics, effective assessment methods, and an emphasis on socially relevant issues. However, areas for improvement have been identified, particularly in the realms of enhancing blended learning and the hands-on component. In general, stakeholders express support for the curriculum, focusing on employability and keeping pace with industry trends, while also recognizing the need for specific improvements in various aspects.



  
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### III. Action proposed for AY 2018-19 based on stake holders feedback for AY 2017-18

In response to the input from stakeholders regarding the curriculum for the academic year 2017-18, here are the proposed actions for the academic year 2018-19. The average scores for the following questions are found to be low.

1. Blended learning and futuristic pedagogy
2. Hands-on component in the Curriculum.

- To enhance practical skills and cultivate a research-focused environment for undergraduate students, the Board of Studies for Electronics Engineering (BoS-Electronics Engineering) implemented the Engineering Design and Development course in every semester, beginning in the Academic Year 2018-19.
- Furthermore, in our efforts to enhance blended learning and foster closer cooperation between academia and industry, we have plans to introduce a range of professional development courses, global and research internships, and summer training programs.



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