



## II. Stakeholder's Feedback Report on E&TC Curriculum for AY 2019-20

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	30	8.7	8.92	8.3	8.98	8.75	8.72	8.55	8.78	8.59	8.21
2	Teachers	12	8.67	8.9	8.28	8.71	8.96	8.59	8.91	9.12	8.89	8.12
3	Employers	16	8.68	8.83	8	8.74	8.73	8.82	8.92	8.99	8.66	8.01
4	Alumni	14	8.96	8.83	8.08	9.07	8.96	8.75	8.79	8.61	8.68	8.4
5	Parent	16	8.75	9.1	8.08	8.82	8.52	8.98	9.04	9.02	8.54	8.29
	Total	88	8.752	8.916	8.15	8.864	8.784	8.77	8.842	8.904	8.672	8.21



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



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

### Descriptive Feedback Analysis:

#### Feedback Summary: Electronics and Telecommunication Engineering Curriculum AY 2019-20

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

#### Students:

The mean scores for the student responses indicate the following:

- Students have a generally positive perception of the curriculum, with most mean scores being above 8.
- They rate the coverage of the latest state-of-the-art topics, evaluation methods for assessment, and knowledge gain through project-based learning very positively.
- The potential for employability and the availability of reference materials and books are also rated quite favorably.
- Blended learning and futuristic pedagogy receive a relatively positive rating but are slightly lower compared to other aspects.
- The hands-on component of the curriculum is rated favorably, but there is room for improvement, as it has a slightly lower mean score.
- Inclusion of socially relevant issues and inputs for business acumen and ethical practices receive a positive perception, though the mean scores are slightly lower.

In summary, student feedback indicates a predominantly positive perception of the curriculum, particularly in terms of covering the latest topics, assessment methods, and knowledge gain. Some areas, such as the hands-on component and blended learning, may benefit from further attention to enhance the overall student experience.

#### Teacher:

The provided mean scores for the teacher responses suggest the following:

- Teachers generally have a positive perception of the curriculum, with most mean scores exceeding 8.
- They highly value the coverage of the latest state-of-the-art topics, inputs for business acumen and ethical practices, and the availability of reference materials and books.
- Evaluation methods for assessment are also rated very positively.
- The hands-on component of the curriculum is viewed favorably, but it has a slightly lower mean score.
- Blended learning and futuristic pedagogy receive a positive rating but are relatively lower compared to other aspects.
- The potential for employability and knowledge gain through project-based learning are seen positively, though they have slightly lower mean scores.
- Inclusion of socially relevant issues is rated positively, but the mean score is slightly lower.

In summary, teacher feedback indicates a generally positive perception of the curriculum. However, areas like the hands-on component and blended learning could benefit from further attention and improvement to enhance the teaching experience.



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



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**

---

**Employer:**

The mean scores for the employer responses suggest the following:

- Employers generally have a positive perception of the curriculum, with most mean scores above 8.
- They rate the potential for employability and the hands-on component positively, although these aspects have slightly lower mean scores compared to others.
- The curriculum's coverage of the latest state-of-the-art topics and availability of reference materials and books are highly rated.
- Evaluation methods for assessment and inputs for business acumen and ethical practices are also viewed positively.
- Blended learning and futuristic pedagogy are generally perceived positively, although the mean score is slightly lower.
- Knowledge gain through project-based learning receives a positive rating but with a slightly lower mean score.
- Inclusion of socially relevant issues is rated positively, but the mean score is slightly lower.

In summary, employer feedback indicates a generally positive perception of the curriculum, with high value placed on employability potential, the coverage of the latest topics, and evaluation methods. However, areas like the hands-on component and blended learning could potentially benefit from further attention and improvement to better align with employer expectations and needs.


**Alumni :**

The mean scores for the alumni responses suggest the following:

- Alumni have a generally positive perception of the curriculum, with most mean scores above 8.
- They highly value the coverage of the latest state-of-the-art topics and knowledge gain through project-based learning.
- The curriculum's potential for employability and inputs for business acumen and ethical practices are rated positively.
- Alumni perceive the availability of reference materials and books, evaluation methods for assessment, and the inclusion of socially relevant issues positively.
- The hands-on component, blended learning, and futuristic pedagogy receive positive ratings, although with slightly lower mean scores.

In summary, alumni feedback indicates a generally positive perception of the curriculum, with a strong focus on the curriculum's effectiveness in covering the latest topics and knowledge gain through project-based learning. Areas like the hands-on component and blended learning could potentially benefit from further attention and improvement to enhance the overall alumni experience.



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



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**

---


**Parents:**

The mean scores for the parent responses suggest the following:

- Parents have a generally positive perception of the curriculum, with most mean scores above 8.
- They highly value the coverage of the latest state-of-the-art topics, the availability of reference materials and books, and the inclusion of socially relevant issues.
- The curriculum's potential for employability, evaluation methods for assessment, and inputs for business acumen and ethical practices are rated positively.
- The hands-on component is perceived positively, although it has a slightly lower mean score.
- Blended learning and futuristic pedagogy receive a positive rating, but the mean score is slightly lower.

In summary, parent feedback indicates a generally positive perception of the curriculum, with a strong focus on the curriculum's effectiveness in covering the latest topics and including socially relevant issues. Areas like the hands-on component and blended learning could potentially benefit from further attention and improvement to enhance the overall perception of parents.



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



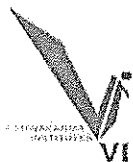
### III. Action proposed for AY 2020-21 based on stake holders feedback for AY 2019-20

Summary of proposed action based on stake holder's feedback on AY 2019-20 curriculum

1. In AY 2020-21, Software design and Software Development Project courses are added to make the students industry ready.
2. To increase the rigor of Home Assignments, the components like Case study, design-based home assignments, writing blogs, doing survey in each course.
3. SY Common (Department of Multi-disciplinary Engineering) to cater common needs of industry from fresh graduates.
4. Updation of Assessment scheme with eight assessment components like home assignment, Lab assignments, Course seminar, Group discussion, course project, course viva, Mid semester and End semester examination. Introduced Case study, design-based home assignments, writing blogs, doing survey in each course.

Prof. (Dr.) Shripad Bhatlawande  
HOD(Electronics &  
Telecommunication)  
Head, Department of Electronics &  
Telecommunication Engineering  
Vishwakarma Institute of Technology,  
Pune-411037





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

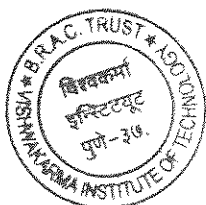
The Electronics and Telecommunication Engineering curriculum strives to provide students with a comprehensive education that aligns with industry demands and equips them for successful careers. To assess the effectiveness of the curriculum, feedback was collected from stakeholders, including employers, 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



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