

# **Alumni Survey 2020 Analysis Report**

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## 1. Survey Parameters

- Total Questions: 10
- Overall data:
  - Total Alumni = 5654
  - Total Responses = 205
  - Margin of Error with 95% Confidence Interval = 7%
- Program-wise data
  - BS Mechanical Engineering
    - Total Alumni = 1387
    - Total Responses = 48
    - Margin of Error with 95% Confidence Interval = 14%
  - BS Engineering Sciences
    - Total Alumni = 566
    - Total Responses = 20
    - Margin of Error with 95% Confidence Interval = 22%
  - BS Chemical Engineering:
    - Total Alumni = 175
    - Total Responses = 10
    - Margin of Error with 95% Confidence Interval = 30%
  - BS Computer Engineering
    - Total Alumni = 920
    - Total Responses = 32
    - Margin of Error with 95% Confidence Interval = 17%
  - BS Computer Science
    - Total Alumni = 338
    - Total Responses = 17
    - Margin of Error with 95% Confidence Interval = 23%
  - BS Electrical Engineering
    - Total Alumni = 1555
    - Total Responses = 54
    - Margin of Error with 95% Confidence Interval = 13%
  - BS Materials Engineering
    - Total Alumni = 657
    - Total Responses = 24
    - Margin of Error with 95% Confidence Interval = 20%
- Result metric :
  - 100% = GPA of 4 = Very Satisfied,
  - 75% = GPA of 3 = Satisfied,
  - 50% = GPA of 2 = Uncertain,
  - 25% = GPA of 1 = Dissatisfied,
  - 0% = GPA of 0 = Very dissatisfied

## 2. Major Findings of the Survey

Considering 75% (=Satisfied) score as the desired objective, the survey finds that the desired objective has not been reached in a number of areas even if one considers the margin of error. In particular, categories/questions with relatively low and high score are mentioned below:

### a. Categories/Questions with relatively low score

- Question 9 - Curriculum effective enough to develop understanding of professional and ethical practices (Score = 54 %)
- Question 5 - Effectiveness of the technical knowledge gained at GIK Institute for the career path (Score = 58 %)
- Relevance of job to the undergraduate program (Score = 59.5 %)

### b. Categories with relatively high score

- Performance as a professional in an organization (Score = 80.8 %)
- Experience as a leader of a team (Score = 77.9 %)
- Awareness of the responsibilities towards society and environment while working in profession (Score = 77 %)

## 3. Recommendations from QEC

- The management and the Deans/HoDs are requested to **go through the survey results, as per table 1 in section 4 of this report**. In particular, **categories/questions with low score should be deliberated upon and discussions may be carried out so as to come up with a plan of action in order to improve institute's performance in these areas**.
- In addition, **the management and the Deans/HoDs are requested to go through the comments made by the alumni**
- Lastly, HEC requires feedback from the management, as well as the departments on such survey reports. In this regard
  - The **management is requested to** send signed copies of their action plan back to QEC in soft and hard form.
  - The **deans/HoDs are requested to** send signed copies of their action plan to QEC, via Pro-rector (A) office, in both soft and hard form.

## 4. Survey Results

Table 1: Average Score for Questions

(BS) Alumni Survey-2020	Scores (in percentage)							
	Overall (%)	BS Mechanical Engineering	BS Engineering Sciences	BS Chemical Engineering	BS Computer Engineering	BS Computer Science	BS Electrical Engineering	BS Materials Engineering
1. Employment opportunities you received after graduation?	<b>60.85</b>	<b>60.94</b>	68.75	55.00	77.34	75.00	<b>52.31</b>	<b>43.75</b>
2. How do you rate your experience as a leader of a team?	77.93	75.52	87.50	72.50	75.00	86.76	76.39	78.13
3. How do you rate your performance as a professional in an organization?	80.85	76.56	92.50	80.00	82.03	89.71	79.17	76.04
4. How relevant is your career job to your undergraduate program?	<b>59.51</b>	<b>59.38</b>	<b>47.50</b>	47.50	79.69	88.24	<b>48.61</b>	<b>52.08</b>
5. How effective is your technical knowledge gained at GIK Institute for your career path?	<b>58.05</b>	66.15	<b>50.00</b>	55.00	58.59	64.71	<b>52.31</b>	57.29
6. How helpful were the soft skills you gained at GIK Institute to effectively manage various tasks during your career?	76.10	75.00	78.75	60.00	78.91	85.29	74.07	77.08
7. Have you ever engaged yourself in learning advance topics related to your chosen field?	<b>67.93</b>	63.54	66.25	47.50	77.34	76.47	67.13	69.79
8. How helpful were trainings/certificates, you received after graduation, for your career progression?	68.78	63.54	80.00	65.00	78.13	67.65	66.20	65.63
9. Is curriculum effective enough to develop understanding of professional and ethical practices?	<b>54.02</b>	61.46	<b>43.75</b>	<b>42.50</b>	<b>51.56</b>	55.88	<b>52.78</b>	57.29
10. How well are you aware of the responsibilities towards society and environment while working in your profession?	77.07	76.56	85.00	65.00	75.78	79.41	76.39	78.13
<b>Cumulative Score</b>	<b>68.11</b>	<b>67.86</b>	<b>70.00</b>	<b>59.00</b>	<b>73.44</b>	<b>76.91</b>	<b>64.54</b>	<b>65.52</b>

<b>Minimum Average Score</b>	<b>BS Chemical Engineering</b>	<b>59.00</b>
<b>Maximum Average Score</b>	<b>BS Computer Science</b>	<b>76.91</b>

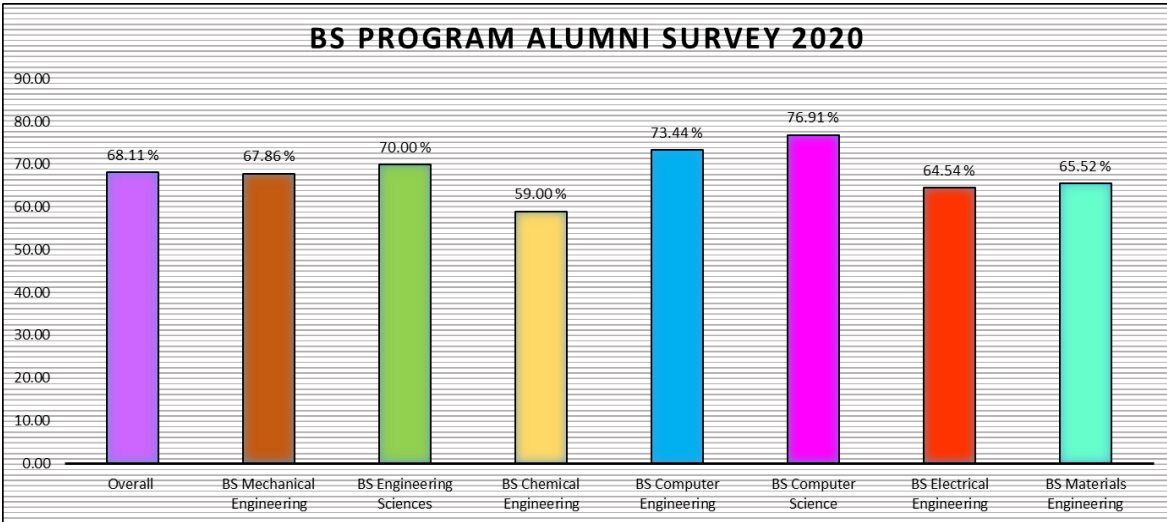


Figure 1: Average Score for Alumni Survey 2020

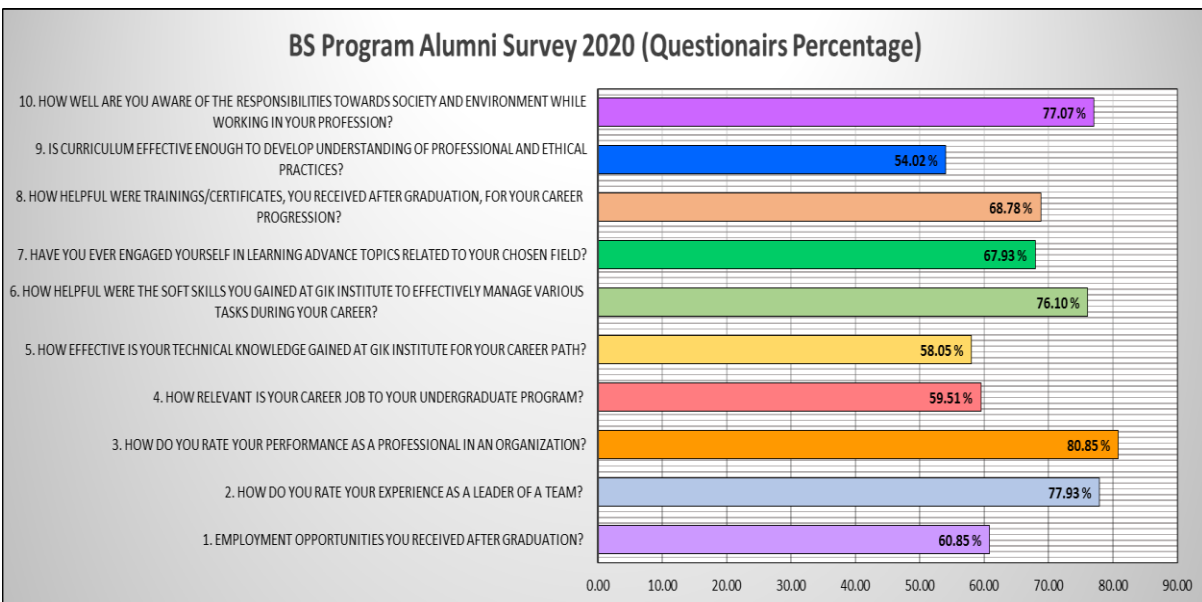


Figure 2: Average Score across all the programs against different questions for Alumni Survey 2020

## 5. Plan of Action Based on Survey Results

*Table 2: Plan of Action against Categories in Survey Result with low score*

<b>Categories in Survey with low score</b>	<b>Concerned Faculty/Department/Offices</b>	<b>Implementation Plan</b>	<b>Target Period</b>
1. Employment opportunities you received after graduation?			
4. How relevant is your career job to your undergraduate program?			
5. How effective is your technical knowledge gained at GIK Institute for your career path?			
7. Have you ever engaged yourself in learning advance topics related to your chosen field?			
9. Is curriculum effective enough to develop understanding of professional and ethical practices?			

## 6. Department-wise Summary of Alumni Survey 2020

### 6.1 BS in Engineering Sciences

#### 6.1.1 Survey Result

Table 3: Alumni Survey Score for BS Engineering Sciences as per table 1

Questions from the Alumni Survey 2020	Score (%)
1. Employment opportunities you received after graduation?	68.75
2. How do you rate your experience as a leader of a team?	87.50
3. How do you rate your performance as a professional in an organization?	92.50
4. How relevant is your career job to your undergraduate program?	47.50
5. How effective is your technical knowledge gained at GIK Institute for your career path?	50.00
6. How helpful were the soft skills you gained at GIK Institute to effectively manage various tasks during your career?	78.75
7. Have you ever engaged yourself in learning advance topics related to your chosen field?	66.25
8. How helpful were trainings/certificates, you received after graduation, for your career progression?	80.00
9. Is curriculum effective enough to develop understanding of professional and ethical practices?	43.75
10. How well are you aware of the responsibilities towards society and environment while working in your profession?	85.00

#### 6.1.2 Plan of Action against low scores in survey

Table 4: Plan of Action against survey categories with low score

Observations	Implementation Plan	Target period



## 6.2 BS in Mechanical Engineering Alumni Survey 2020

### 6.2.1 Survey Result

Table 5: Alumni Survey Score for BS Mechanical Engineering as per table 1

Questionnaires	Score %
1. Employment opportunities you received after graduation?	60.94
2. How do you rate your experience as a leader of a team?	75.52
3. How do you rate your performance as a professional in an organization?	76.56
<b>4. How relevant is your career job to your undergraduate program?</b>	<b>59.38</b>
5. How effective is your technical knowledge gained at GIK Institute for your career path?	66.15
6. How helpful were the soft skills you gained at GIK Institute to effectively manage various tasks during your career?	75.00
7. Have you ever engaged yourself in learning advance topics related to your chosen field?	63.54
8. How helpful were trainings/certificates, you received after graduation, for your career progression?	63.54
9. Is curriculum effective enough to develop understanding of professional and ethical practices?	61.46
10. How well are you aware of the responsibilities towards society and environment while working in your profession?	76.56

### 6.2.2 Plan of Action against low scores in survey

Table 6: Plan of Action against survey categories with low score

Observations	Implementation Plan	Target period

## 6.3 BS in Chemical Engineering Alumni Survey 2020

### 6.3.1 Survey Result

Table 7: Alumni Survey Score for BS Chemical Engineering as per table 1

Questionnaires	Score %
<b>1. Employment opportunities you received after graduation?</b>	<b>55.00</b>
2. How do you rate your experience as a leader of a team?	72.50
3. How do you rate your performance as a professional in an organization?	80.00
<b>4. How relevant is your career job to your undergraduate program?</b>	<b>47.50</b>
<b>5. How effective is your technical knowledge gained at GIK Institute for your career path?</b>	<b>55.00</b>
6. How helpful were the soft skills you gained at GIK Institute to effectively manage various tasks during your career?	60.00
<b>7. Have you ever engaged yourself in learning advance topics related to your chosen field?</b>	<b>47.50</b>
8. How helpful were trainings/certificates, you received after graduation, for your career progression?	65.00
<b>9. Is curriculum effective enough to develop understanding of professional and ethical practices?</b>	<b>42.50</b>
10. How well are you aware of the responsibilities towards society and environment while working in your profession?	65.00

### 6.3.2 Plan of Action against low scores in survey

Table 8: Plan of Action against survey categories with low score

Observations	Implementation Plan	Target period

## 6.4 BS in Computer Engineering Alumni Survey 2020

### 6.4.1 Survey Result

Table 9: Alumni Survey Score for BS Computer Engineering as per table 1

Questionnaires	Score %
1. Employment opportunities you received after graduation?	77.34
2. How do you rate your experience as a leader of a team?	75.00
3. How do you rate your performance as a professional in an organization?	82.03
4. How relevant is your career job to your undergraduate program?	79.69
<b>5. How effective is your technical knowledge gained at GIK Institute for your career path?</b>	<b>58.59</b>
6. How helpful were the soft skills you gained at GIK Institute to effectively manage various tasks during your career?	78.91
7. Have you ever engaged yourself in learning advance topics related to your chosen field?	77.34
8. How helpful were trainings/certificates, you received after graduation, for your career progression?	78.13
<b>9. Is curriculum effective enough to develop understanding of professional and ethical practices?</b>	<b>51.56</b>
10. How well are you aware of the responsibilities towards society and environment while working in your profession?	75.78

### 6.4.2 Plan of Action against low scores in survey

Table 10: Plan of Action against survey categories with low score

Observations	Implementation Plan	Target period

## 6.5 BS in Computer Science Alumni Survey 2020

### 6.5.1 Survey Result

Table 11: Alumni Survey Score for BS Computer Science as per table 1

Questionnaires	Score %
1. Employment opportunities you received after graduation?	75.00
2. How do you rate your experience as a leader of a team?	86.76
3. How do you rate your performance as a professional in an organization?	89.71
4. How relevant is your career job to your undergraduate program?	88.24
5. How effective is your technical knowledge gained at GIK Institute for your career path?	64.71
6. How helpful were the soft skills you gained at GIK Institute to effectively manage various tasks during your career?	85.29
7. Have you ever engaged yourself in learning advance topics related to your chosen field?	76.47
8. How helpful were trainings/certificates, you received after graduation, for your career progression?	67.65
<b>9. Is curriculum effective enough to develop understanding of professional and ethical practices?</b>	<b>55.88</b>
10. How well are you aware of the responsibilities towards society and environment while working in your profession?	79.41

### 6.5.2 Plan of Action against low scores in survey

Table 12: Plan of Action against survey categories with low score

Observations	Implementation Plan	Target period

## 6.6 BS in Electrical Engineering Alumni Survey 2020

### 6.6.1 Survey Result

Table 13: Alumni Survey Score for BS Electrical Engineering as per table 1

Questionnaires	Score %
<b>1. Employment opportunities you received after graduation?</b>	<b>52.31</b>
2. How do you rate your experience as a leader of a team?	76.39
3. How do you rate your performance as a professional in an organization?	79.17
<b>4. How relevant is your career job to your undergraduate program?</b>	<b>48.61</b>
<b>5. How effective is your technical knowledge gained at GIK Institute for your career path?</b>	<b>52.31</b>
6. How helpful were the soft skills you gained at GIK Institute to effectively manage various tasks during your career?	74.07
7. Have you ever engaged yourself in learning advance topics related to your chosen field?	67.13
8. How helpful were trainings/certificates, you received after graduation, for your career progression?	66.20
<b>9. Is curriculum effective enough to develop understanding of professional and ethical practices?</b>	<b>52.78</b>
10. How well are you aware of the responsibilities towards society and environment while working in your profession?	76.39

### 6.6.2 Plan of Action against low scores in survey

Table 14: Plan of Action against survey categories with low score

Observations	Implementation Plan	Target period

## 6.7 BS in Materials Engineering Alumni Survey 2020

### 6.7.1 Survey Result

Table 15: Alumni Survey Score for BS Materials Engineering as per table 1

Questionnaires	Score %
<b>1. Employment opportunities you received after graduation?</b>	<b>43.75</b>
2. How do you rate your experience as a leader of a team?	78.13
3. How do you rate your performance as a professional in an organization?	76.04
<b>4. How relevant is your career job to your undergraduate program?</b>	<b>52.08</b>
<b>5. How effective is your technical knowledge gained at GIK Institute for your career path?</b>	<b>57.29</b>
6. How helpful were the soft skills you gained at GIK Institute to effectively manage various tasks during your career?	77.08
7. Have you ever engaged yourself in learning advance topics related to your chosen field?	69.79
8. How helpful were trainings/certificates, you received after graduation, for your career progression?	65.63
<b>9. Is curriculum effective enough to develop understanding of professional and ethical practices?</b>	<b>57.29</b>
10. How well are you aware of the responsibilities towards society and environment while working in your profession?	78.13

### 6.7.2 Plan of Action against low scores in survey

Table 14: Plan of Action against survey categories with low score

Observations	Implementation Plan	Target period