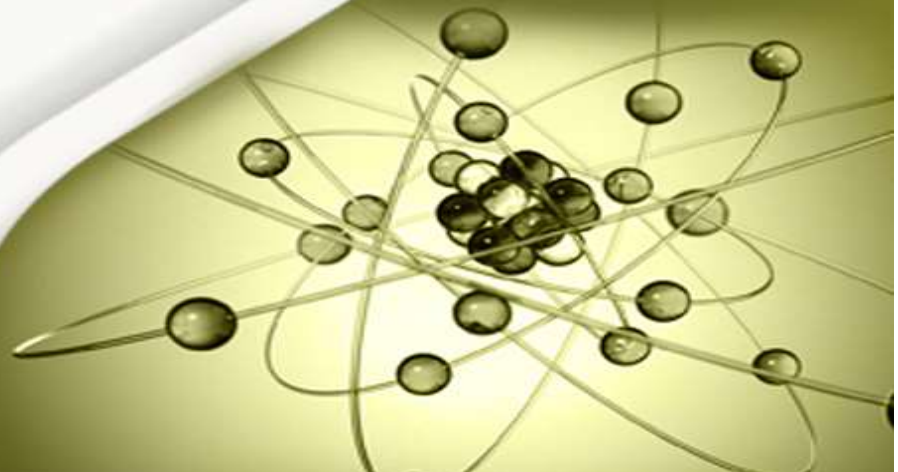


# Trend Analysis Report for Key Performance Indicators from 2019/2020 to 2021/2022 academic years

## Bachelor of Physics

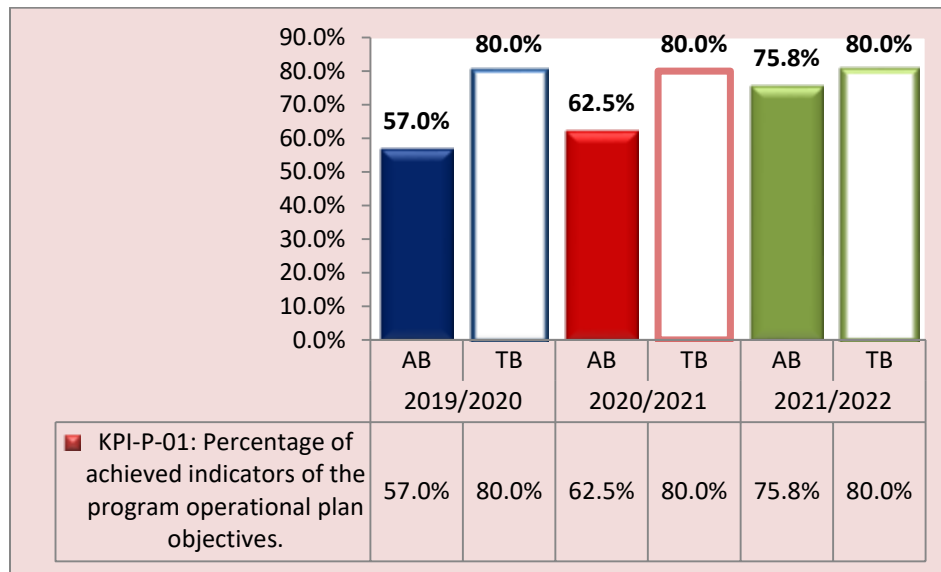
### College of Science - Jouf University



**KPI-P-01: Percentage of achieved indicators of the program operational plan objectives.**

| KPI's Name  | KPI code | 2019/2020 |     | 2020/2021 |     | 2021/2022 |     |
|---|----------|-----------|-----|-----------|-----|-----------|-----|
|   |          | AB        | TB  | AB        | TB  | AB        | TB  |
| Percentage of achieved indicators of the program operational plan objectives. | KPI-P-01 | 57%       | 80% | 62.5%     | 80% | 75.8%     | 80% |

**AB: Actual Benchmark      TB: Target Benchmark**

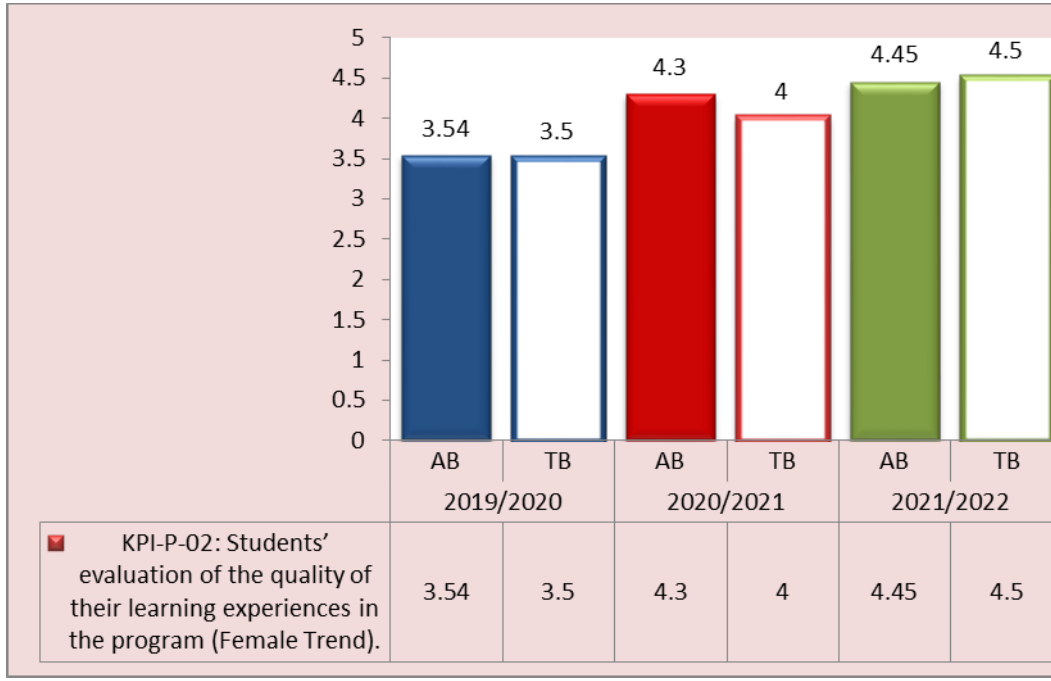


**Analysis:**

From The results obtained it is clear that the actual value of the indicator shows increase trend through the three years but the target value doesn't achieve in the last year 2021/2022. Considering the target performance values during the three years it has been decided to keep the targeted value at 80%.

**KPI-P-02: Students' evaluation of the quality of their learning experiences in the program.**

| KPI's Name  | KPI code | 2019/2020 |     | 2020/2021 |    | 2021/2022 |     |
|---|----------|-----------|-----|-----------|----|-----------|-----|
|   |          | AB        | TB  | AB        | TB | AB        | TB  |
| Students' evaluation of the quality of their learning experiences in the program. | KPI-P-02 | 3.54      | 3.5 | 4.3       | 4  | 4.45      | 4.5 |

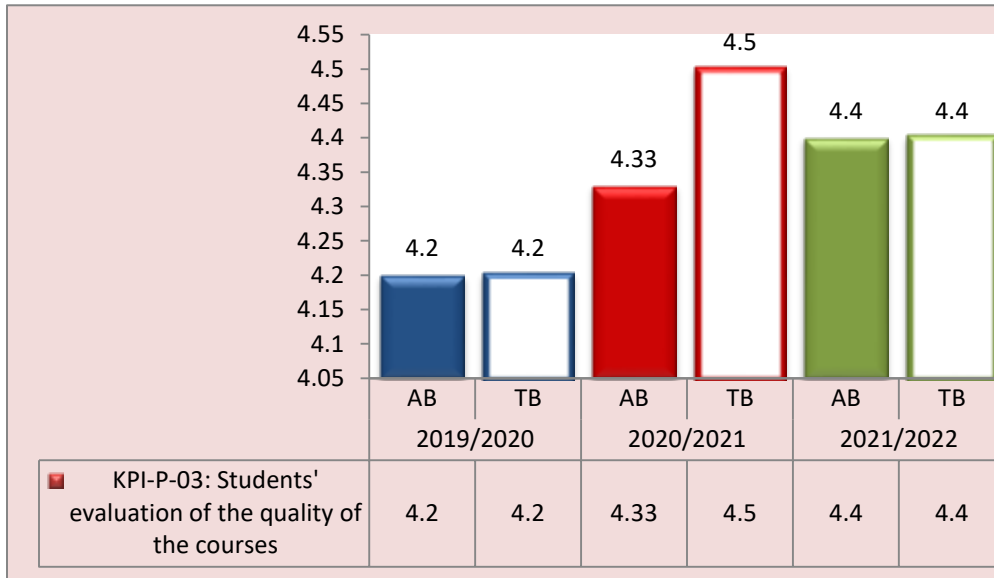


**Analysis:**

From The results obtained it is clear that the actual value of the indicator show increase trend through the three years and the target value have been achieved. Investigating the status and trend of the indicator, it has been decided to keep the targeted value at 4.5.

**KPI-P-03: Students' evaluation of the quality of the courses**

| KPI's Name   | KPI code | 2019/2020 |     | 2020/2021 |     | 2021/2022 |     |
|--|----------|-----------|-----|-----------|-----|-----------|-----|
|  |          | AB        | TB  | AB        | TB  | AB        | TB  |
| Students' evaluation of the quality of the courses | KPI-P-03 | 4.2       | 4.2 | 4.33      | 4.5 | 4.4       | 4.5 |

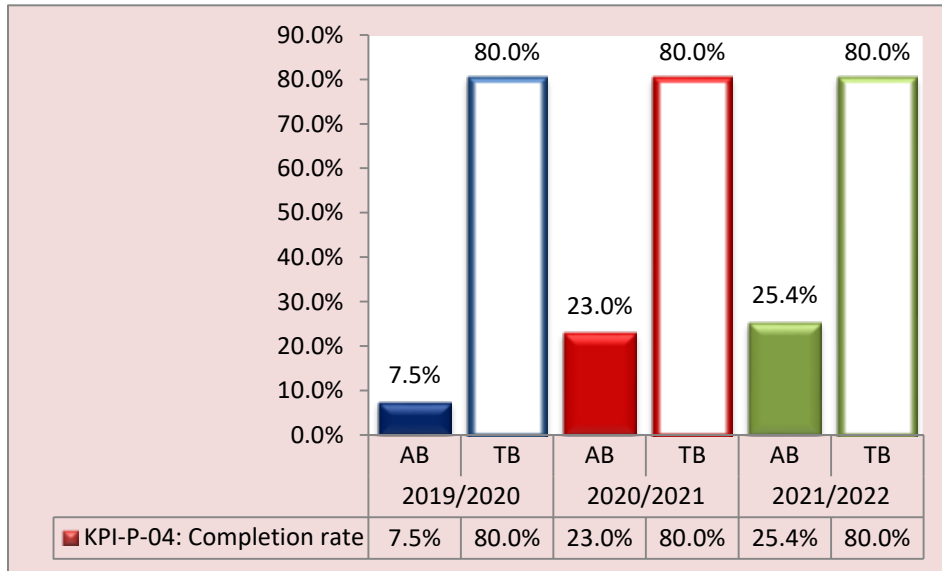


**Analysis:**

From the figure it is clear that the actual value of the indicator show increase trend and almost kept at average value of 4.31 for the three years. Although the results show increase trend through the three years but the targeted value has been not achieved for the last two years. Investigating the status and trend of the indicator, it has been decided to fix the targeted value to 4.5.

**KPI-P-04: Completion rate**

| KPI's Name      | KPI code | 2019/2020 |     | 2020/2021 |     | 2021/2022 |     |
|-----------------|----------|-----------|-----|-----------|-----|-----------|-----|
|                 |          | AB        | TB  | AB        | TB  | AB        | TB  |
| Completion rate | KPI-P-04 | 7.5%      | 80% | 23%       | 80% | 25.4%     | 80% |

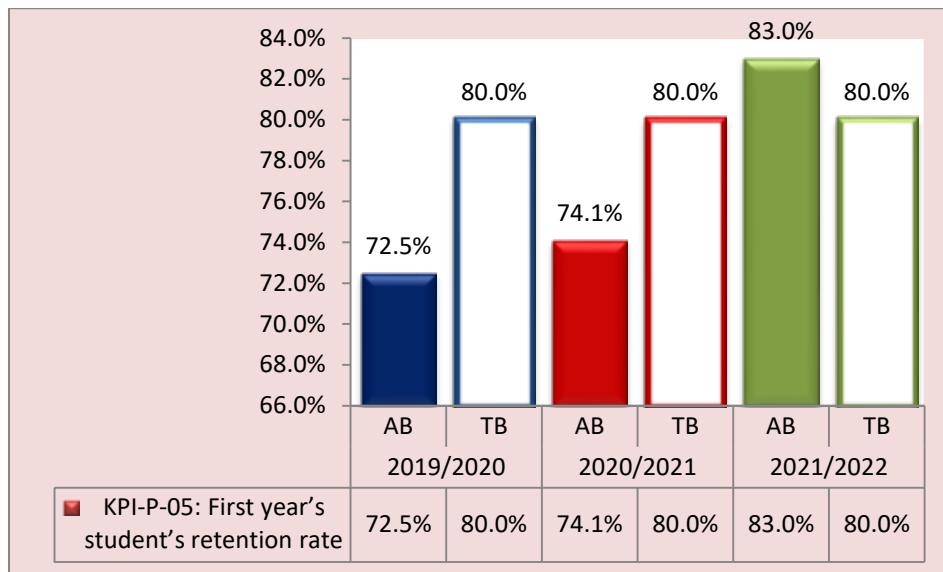


**Analysis:**

It is noted that the actual value of the completion rate show increase trend in the last three years but the target value of the indicator has been not achieved. Investigating the status and trend of the indicator, it has been decided to fix the targeted value at 80%.

**KPI-P-05: First year's student's retention rate**

| KPI's Name                            | KPI code | 2019/2020 |     | 2020/2021 |     | 2021/2022 |     |
|---------------------------------------|----------|-----------|-----|-----------|-----|-----------|-----|
|                                       |          | AB        | TB  | AB        | TB  | AB        | TB  |
| First year's student's retention rate | KPI-P-05 | 72.5%     | 80% | 74.1%     | 80% | 83%       | 80% |

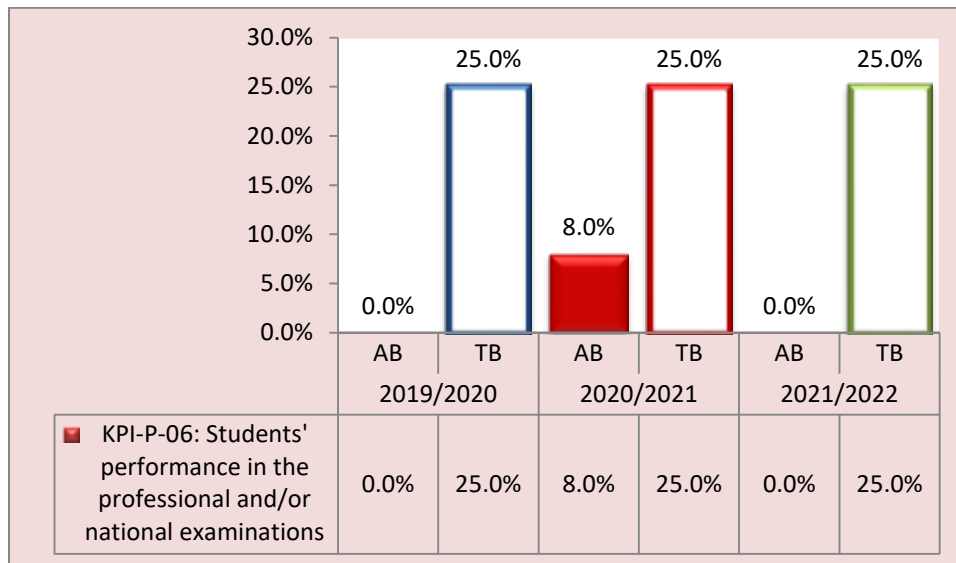


**Analysis:**

The results indicate that the actual value of the indicator rises during the three years and the targeted value has been achieved in the last year. Investigating the status and trend of the indicator, it has been decided to reestablish the targeted value at 84%.

**KPI-P-06: The Students' performance in the professional and/or national examinations for the physics program**

| KPI's Name   | KPI code | 2019/2020 |     | 2020/2021 |     | 2021/2022 |     |
|--|----------|-----------|-----|-----------|-----|-----------|-----|
|  |          | AB        | TB  | AB        | TB  | AB        | TB  |
| The Students' performance in the professional and/or national examinations for the physics program | KPI-P-06 | ND        | 25% | 8%        | 25% | ND        | 25% |

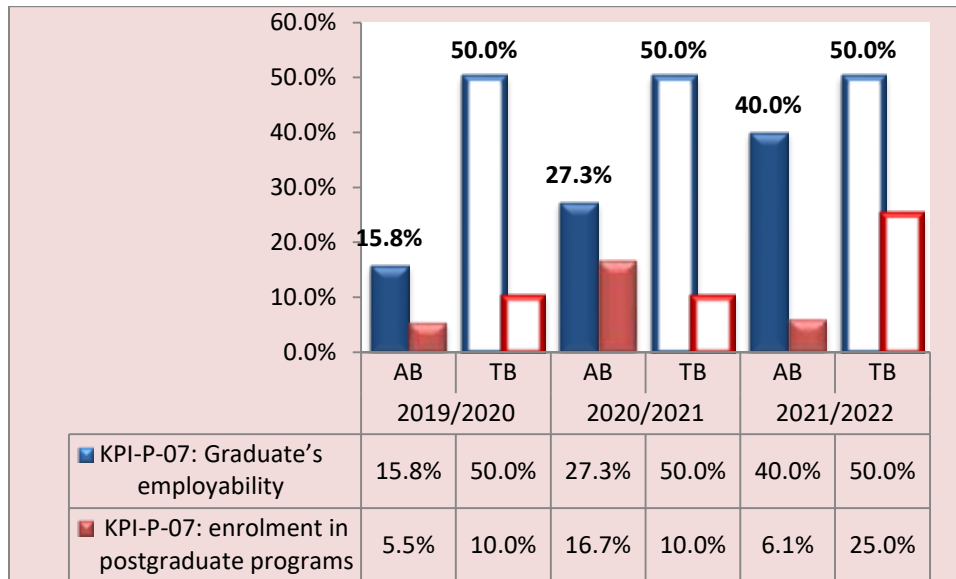


**Analysis:**

The data of the indicator does not available in the last year. Investigating the status and trend of the indicator, it has been decided to keep the targeted value at 25%.

**KPI-P-07: Graduate's employability and enrolment in postgraduate programs**

| KPI's Name                         | KPI code | 2019/2020 |     | 2020/2021 |     | 2021/2022 |     |
|------------------------------------|----------|-----------|-----|-----------|-----|-----------|-----|
|                                    |          | AB        | TB  | AB        | TB  | AB        | TB  |
| Graduate's employability           | KPI-P-07 | 15.8%     | 50% | 27.3%     | 50% | 40%       | 50% |
| enrolment in postgraduate programs |          | 5.5%      | 10% | 16.7%     | 10% | 6.1%      | 25% |



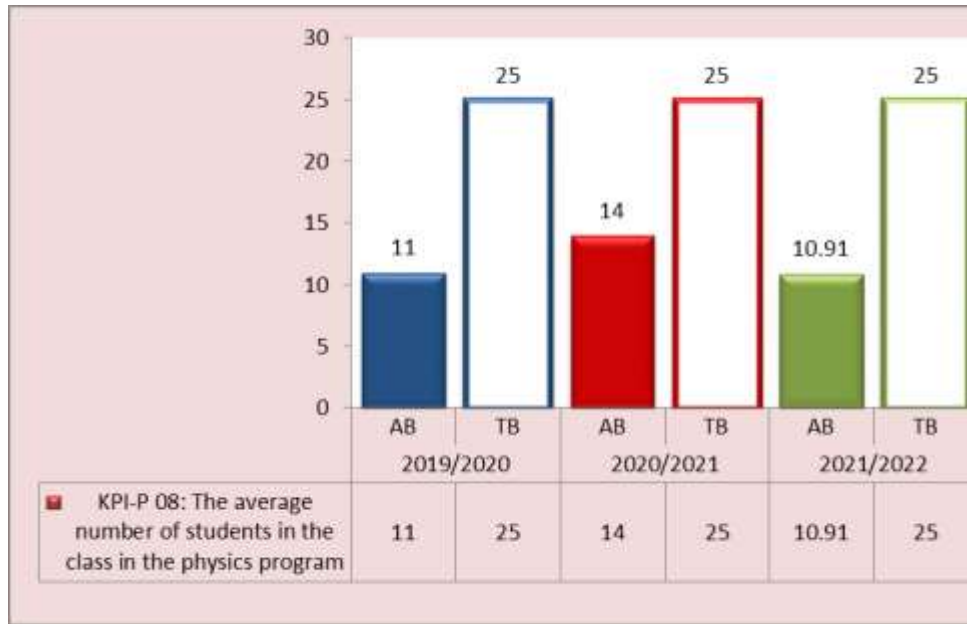
**Analysis:**

The results indicates that the actual value of the indicator (for employability) rises through the three years and reaches to 40% in the last year, but the percentage of the who enrolled in postgraduate studies decreased in the last year. Investigating the status and trend of the indicator, it has been decided to keep the targeted value at 50% (Employment) and 25% (postgraduates' enrollment) respectively.



**KPI-P 08: The average number of students in the class in the physics program**

| KPI's Name   | KPI code | 2019/2020 |    | 2020/2021 |    | 2021/2022 |    |
|--|----------|-----------|----|-----------|----|-----------|----|
|  |          | AB        | TB | AB        | TB | AB        | TB |
| The average number of students in the class in the physics program | KPI-P 08 | 11        | 25 | 14        | 25 | 10.91     | 25 |

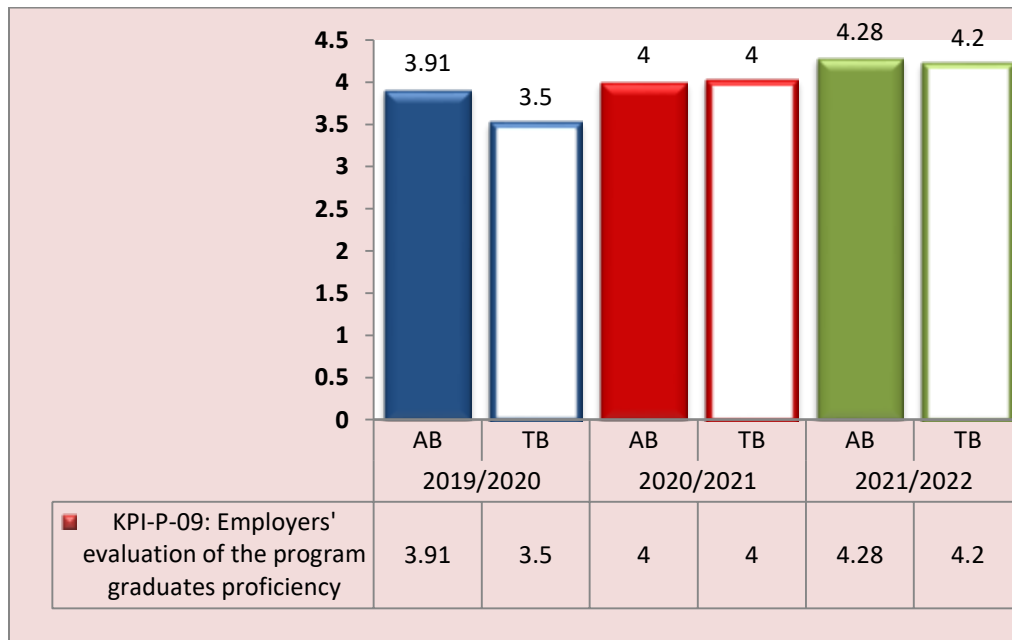


**Analysis:**

The results indicate that the actual value of the indicator rises in the last year to the value of 10.91. It did not reach the targeted value. Investigating the status and trend of the indicator, it has been decided to keep the targeted value at 25.

***KPI-P-09: Employers' evaluation of the program graduates proficiency***

| KPI's Name   | KPI code        | 2019/2020 |     | 2020/2021 |    | 2021/2022 |     |
|--|-----------------|-----------|-----|-----------|----|-----------|-----|
|  |                 | AB        | TB  | AB        | TB | AB        | TB  |
| Employers' evaluation of the program graduates proficiency | <i>KPI-P-09</i> | 3.91      | 3.5 | 4         | 4  | 4.28      | 4.2 |

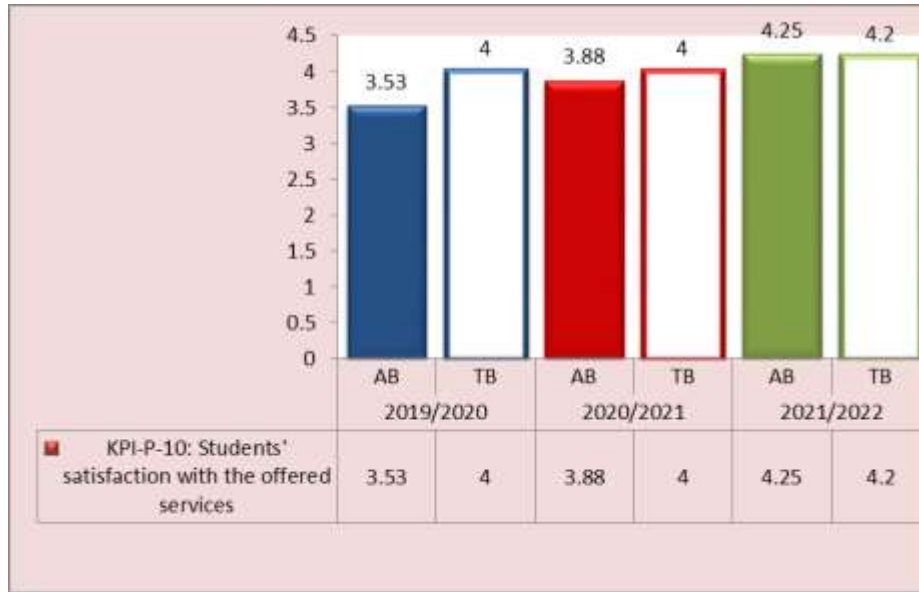


**Analysis:**

The results indicate that the actual value of the indicator almost show sharp increase in 2019/2020 and almost increase through the last two years and reach the targeted value in 2020/2021 and 2021/2022. Investigating the status and trend of the indicator, it has been decided to increase the targeted value. New target Value: 4.2

**KPI-P-10: Students' satisfaction with the offered services**

| KPI's Name                                       | KPI code | 2019/2020 |    | 2020/2021 |    | 2021/2022 |     |
|--|----------|-----------|----|-----------|----|-----------|-----|
|  |          | AB        | TB | AB        | TB | AB        | TB  |
| Students' satisfaction with the offered services | KPI-P-10 | 3.53      | 4  | 3.88      | 4  | 4.25      | 4.5 |

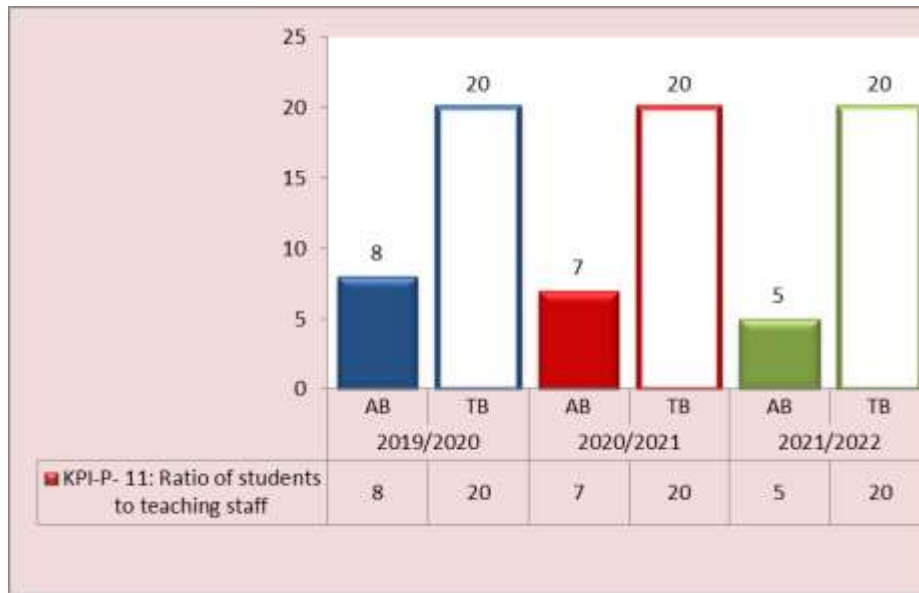


**Analysis:**

The results indicate that the actual value of the indicator increase through the three years and reach to 4.25 and achieve the targeted value. Investigating the status and trend of the indicator, it has been decided to increase the targeted value. New target Value: 4.5

**KPI-P- 11: Ratio of students to teaching staff**

| KPI                                 | KPI code  | 2019/2020 |      | 2020/2021 |      | 2021/2022 |      |
|-------------------------------------|-----------|-----------|------|-----------|------|-----------|------|
|                                     |           | AB        | TB   | AB        | TB   | AB        | TB   |
| Ratio of students to teaching staff | KPI-P- 11 | 8:1       | 20:1 | 7:1       | 20:1 | 5:1       | 20:1 |

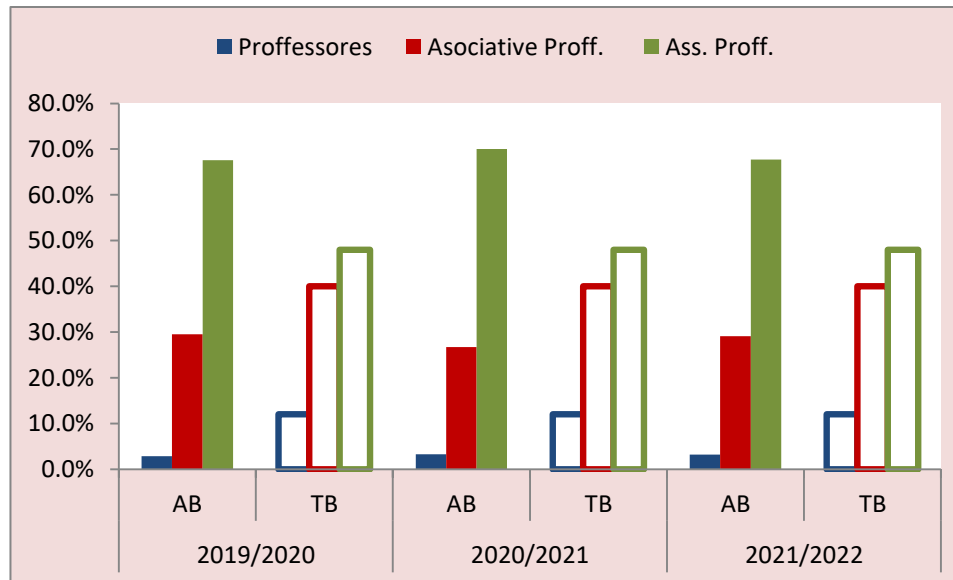


**Analysis:**

The results indicate that the actual value of the indicator decreases through the three years but the targeted value has been achieved. Investigating the status and trend of the indicator, it has been decided to keep the targeted value at 20:1.

**KPI-P-12: Percentage of teaching staff distribution.**

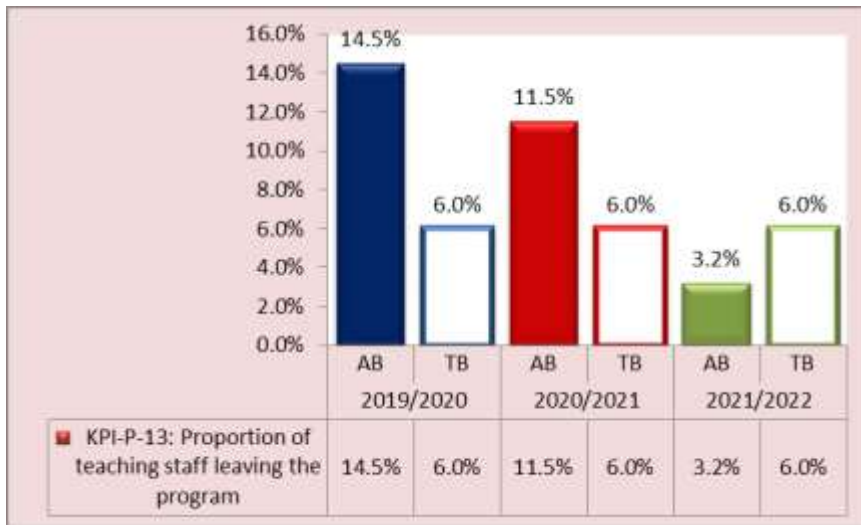
| KPI                                       | KPI code | 2019/2020    |             |       |              |             |       | 2020/2021    |             |       |              |             |       | 2021/2022    |             |       |              |             |       |
|---|----------|--------------|-------------|-------|--------------|-------------|-------|--------------|-------------|-------|--------------|-------------|-------|--------------|-------------|-------|--------------|-------------|-------|
|   |          | AB           |             |       | TB           |             |       | AB           |             |       | TB           |             |       | AB           |             |       | TB           |             |       |
| Percentage of teaching staff distribution | KPI-P-12 | Assist. Prof | Assoc. Prof | Prof. | Assist. Prof | Assoc. Prof | Prof. | Assist. Prof | Assoc. Prof | Prof. | Assist. Prof | Assoc. Prof | Prof. | Assist. Prof | Assoc. Prof | Prof. | Assist. Prof | Assoc. Prof | Prof. |
|   |          | 67.6%        | 29.5%       | 2.9%  | 48%          | 40%         | 12%   | 70 %         | 26.7%       | 3.3%  | 48%          | 40%         | 12%   | 67.7%        | 29.2%       | 3.2%  | 48 %         | 40%         | 12%   |



**Analysis:** The results indicate that the actual value of the indicator almost kept at the same values for the three years. It did not reach the targeted value. Investigating the status and trend of the indicator, it has been decided to keep the targeted value at 48% (Assistant prof.), 40% (Associate prof.), and 12% (prof.).

**KPI-P-13: Proportion of teaching staff leaving the program**

| KPI  | KPI code | 2019/2020 |    | 2020/2021 |    | 2021/2022 |    |
|--|----------|-----------|----|-----------|----|-----------|----|
|  |          | AB        | TB | AB        | TB | AB        | TB |
| Proportion of teaching staff leaving the program | KPI-P-13 | 14.5%     | 6% | 11.5%     | 6% | 3.2%      | 6% |

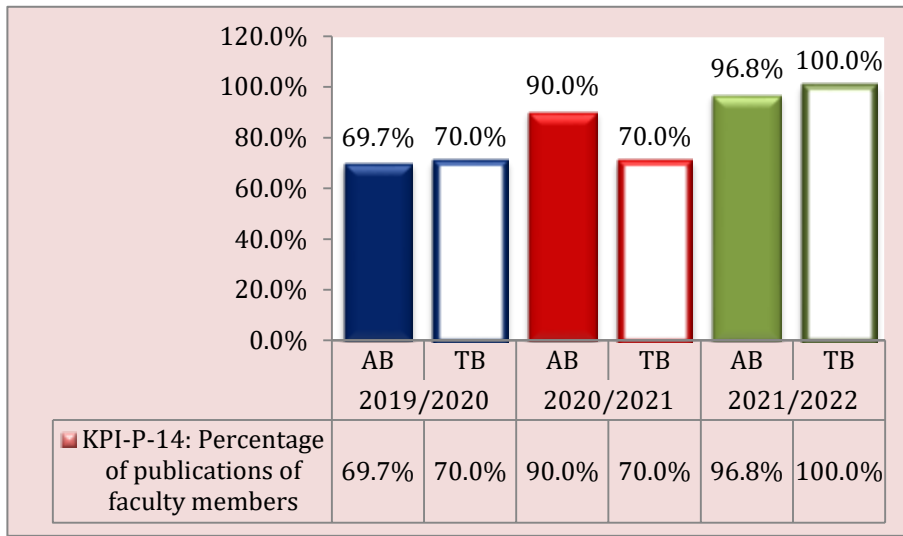


**Analysis:**

From the results it is clear that the actual value of the indicator of the proportion of teaching staff leaving the program increases through the three years and the targeted value has been achieved. Investigating the status and trend of the indicator, it has been decided to increase the targeted value. The new value will be 2%.

**KPI-P-14: Percentage of publications of faculty members**

| KPI's Name                                    | KPI code        | 2019/2020 |     | 2020/2021 |     | 2021/2022 |      |
|---|-----------------|-----------|-----|-----------|-----|-----------|------|
|   |                 | AB        | TB  | AB        | TB  | AB        | TB   |
| Percentage of publications of faculty members | <i>KPI-P-14</i> | 69.7%     | 70% | 90%       | 70% | 96.77%    | 100% |

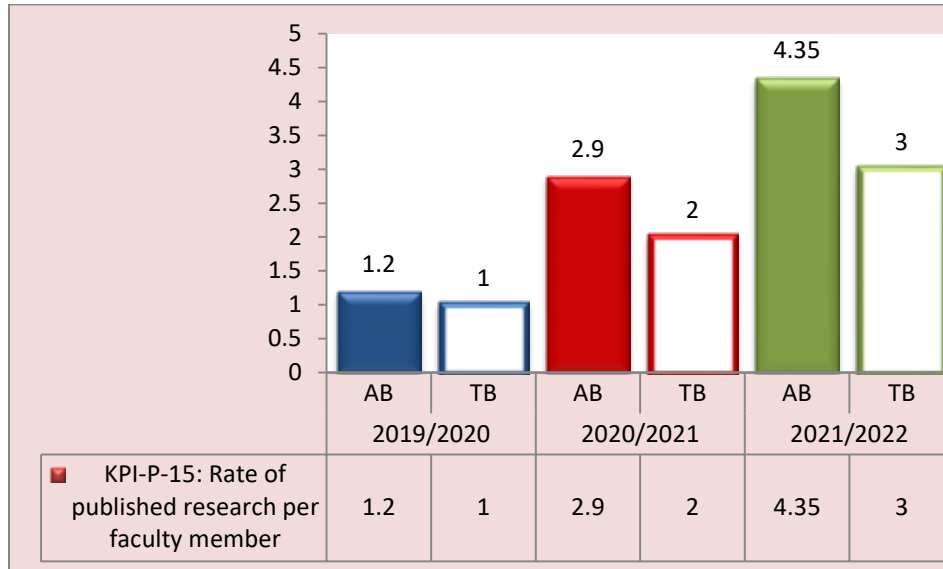


**Analysis:**

The results indicate that the actual value of the indicator rises during the three years. The targeted value didn't achieve in the last year. Investigating the status and trend of the indicator, it has been decided to reestablish the targeted value at 100%

**KPI-P-15: Rate of published research per faculty member**

| KPI's Name                                    | KPI code        | 2019/2020 |     | 2020/2021 |     | 2021/2022 |     |
|---|-----------------|-----------|-----|-----------|-----|-----------|-----|
|   |                 | AB        | TB  | AB        | TB  | AB        | TB  |
| Rate of published research per faculty member | <i>KPI-P-15</i> | 2.7:1     | 2:1 | 4.22:1    | 3:1 | 6.5:1     | 5:1 |



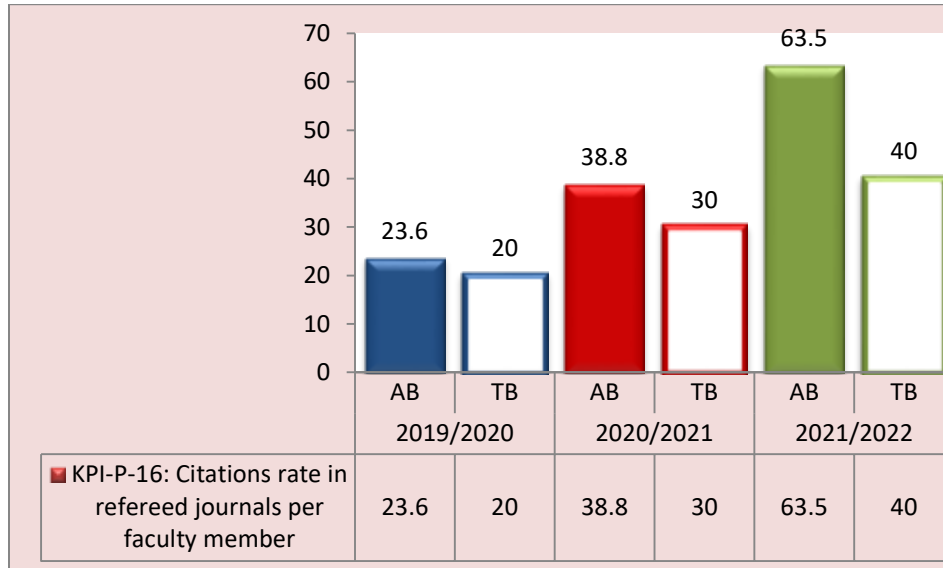
**Analysis:**

The results indicate that the actual value of the indicator rises during the three years. It reaches the targeted value. Investigating the status and trend of the indicator, it has been decided to reestablish the targeted value at 5:1.



**KPI-P-16: Citations rate in refereed journals per faculty member**

| KPI's Name   | KPI code        | 2019/2020 |      | 2020/2021 |      | 2021/2022 |      |
|--|-----------------|-----------|------|-----------|------|-----------|------|
|  |                 | AB        | TB   | AB        | TB   | AB        | TB   |
| Citations rate in refereed journals per faculty member | <i>KPI-P-16</i> | 41.4:1    | 20:1 | 63.1:1    | 50:1 | 67.5:1    | 65:1 |

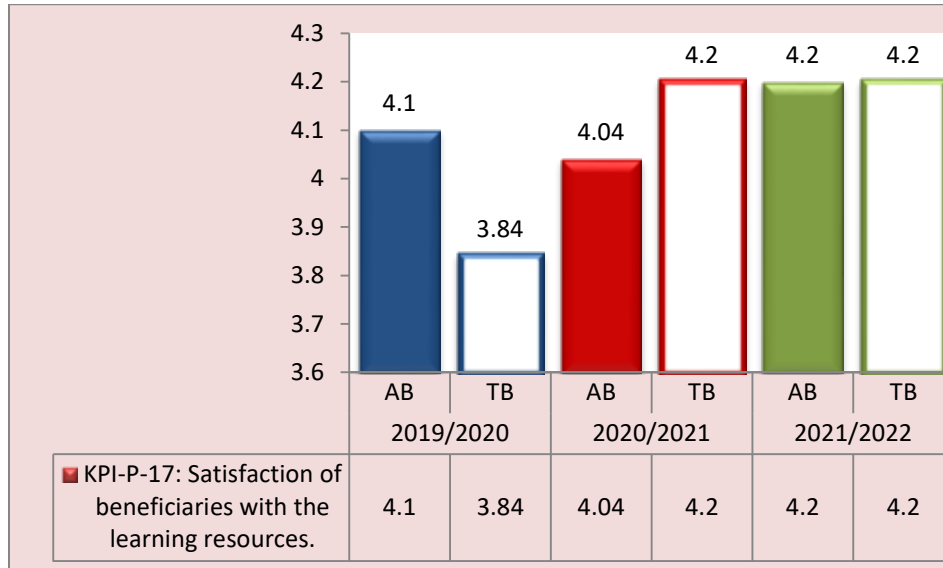


**Analysis:**

The results indicate that the actual value of the indicator rises during the three years. The targeted value has been achieved in the last year. Investigating the status and trend of the indicator, it has been decided to reestablish the targeted value at 70:1.

**KPI-P-17: Satisfaction of beneficiaries with the learning resources.**

| KPI's Name   | KPI code        | 2019/2020 |      | 2020/2021 |     | 2021/2022 |     |
|--|-----------------|-----------|------|-----------|-----|-----------|-----|
|  |                 | AB        | TB   | AB        | TB  | AB        | TB  |
| Satisfaction of beneficiaries with the learning resources. | <i>KPI-P-17</i> | 4.1       | 3.84 | 4.04      | 4.2 | 4.2       | 4.2 |

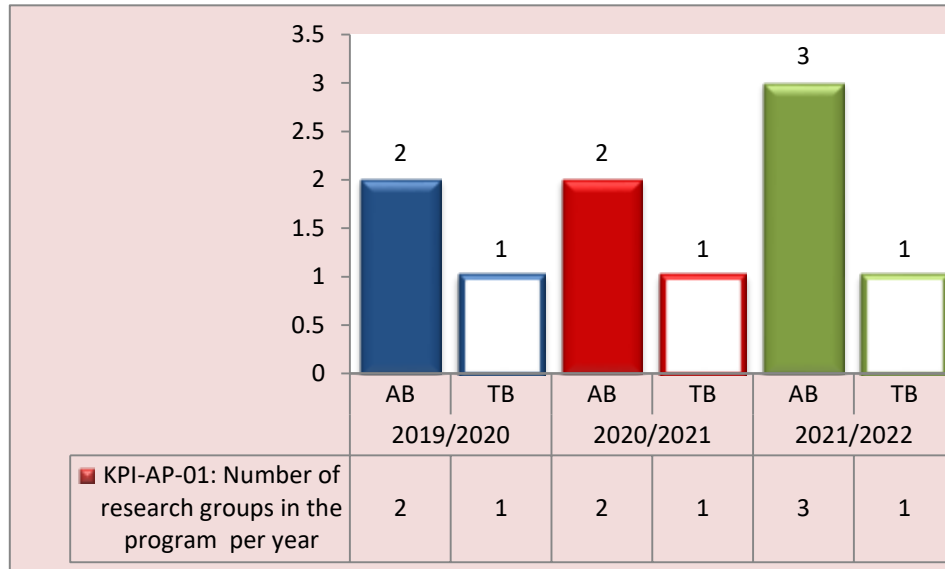


**Analysis:**

The results indicate that the actual value of the indicator almost kept at average value of 4.1 for the three years but targeted value has been achieved in the last year. Investigating the status and trend of the indicator, it has been decided to reestablish the targeted value. New target value: 4.5

**KPI-AP-01: Number of research groups in the program**

| KPI's Name                               | KPI code         | 2019/2020 |    | 2020/2021 |    | 2021/2022 |    |
|--|------------------|-----------|----|-----------|----|-----------|----|
|  |                  | AB        | TB | AB        | TB | AB        | TB |
| Number of research groups in the program | <i>KPI-AP-01</i> | 2         | 1  | 2         | 1  | 3         | 1  |

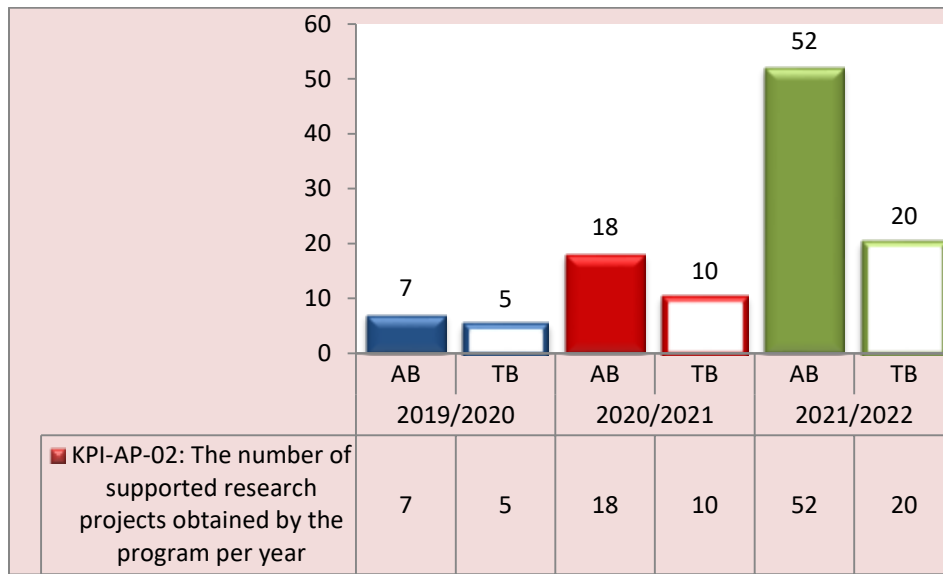


**Analysis:**

The results indicate that the actual value of the indicator show increase trend during 2020/2021 and 2021/2022. The targeted value has been achieved. Investigating the status and trend of the indicator, it has been decided to keep the targeted value at 1.

**KPI-AP-02: The number of supported research projects obtained by the program per year**

| KPI's Name   | KPI code  | 2019/2020 |    | 2020/2021 |    | 2021/2022 |    |
|--|-----------|-----------|----|-----------|----|-----------|----|
|  |           | AB        | TB | AB        | TB | AB        | TB |
| The number of supported research projects obtained by the program per year | KPI-AP-02 | 25        | 5  | 66        | 30 | 52        | 30 |

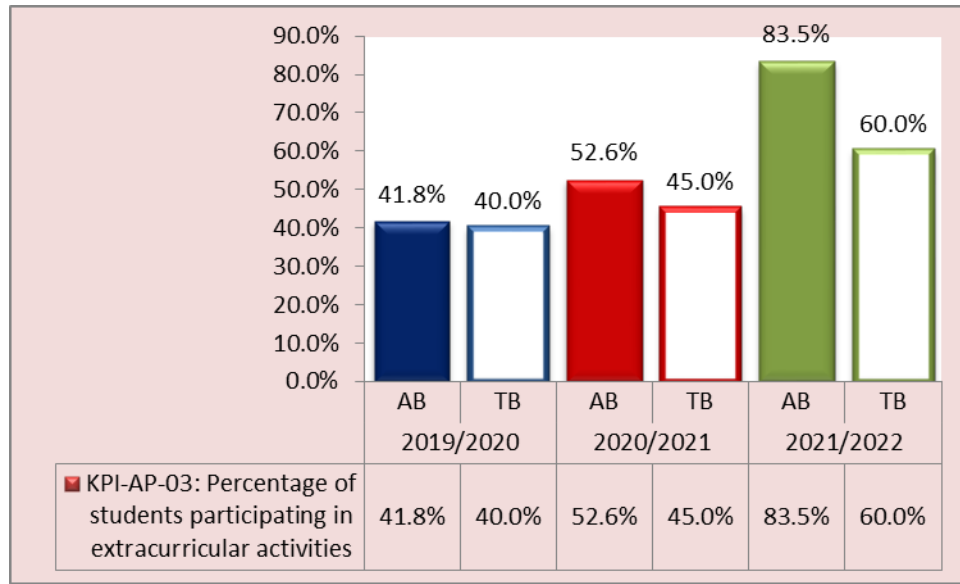


**Analysis:**

The results indicate that the actual value of the number of research projects shows increase trend during 2019/2020 and 2021/2022 and the targeted value has been achieved. Investigating the status and trend of the indicator, it has been decided to reestablish the targeted value at 55.

**KPI-AP-03: Percentage of students participating in extracurricular activities**

| KPI's Name   | KPI code  | 2019/2020 |     | 2020/2021 |     | 2021/2022 |     |
|--|-----------|-----------|-----|-----------|-----|-----------|-----|
|  |           | AB        | TB  | AB        | TB  | AB        | TB  |
| Percentage of students participating in extracurricular activities | KPI-AP-03 | 41.8      | 40% | 52.6%     | 45% | 83.5%     | 60% |

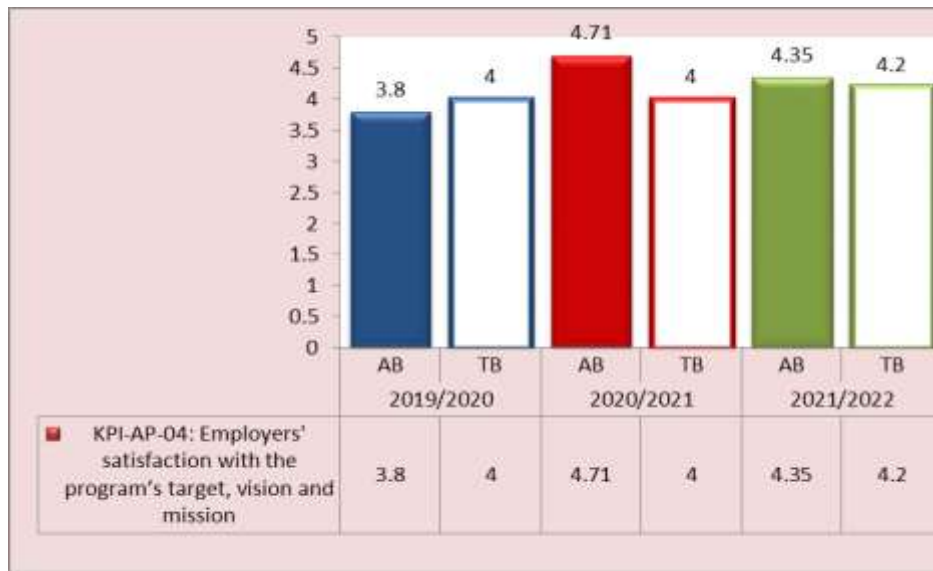


**Analysis:**

The results indicate that the actual value of the indicator show increases trend for the three years and the targeted value has been achieved. Investigating the status and trend of the indicator, it has been decided to reestablish the targeted value. New target value: 85%.

**KPI-AP-04: Employers' satisfaction with the program's target, vision and mission**

| KPI's Name  | KPI code  | 2019/2020 |    | 2020/2021 |     | 2021/2022 |     |
|---|-----------|-----------|----|-----------|-----|-----------|-----|
|   |           | AB        | TB | AB        | TB  | AB        | TB  |
| Employers' satisfaction with the program's target, vision and mission | KPI-AP-04 | 3.8       | 4  | 4.71      | 4.2 | 4.35      | 4.2 |

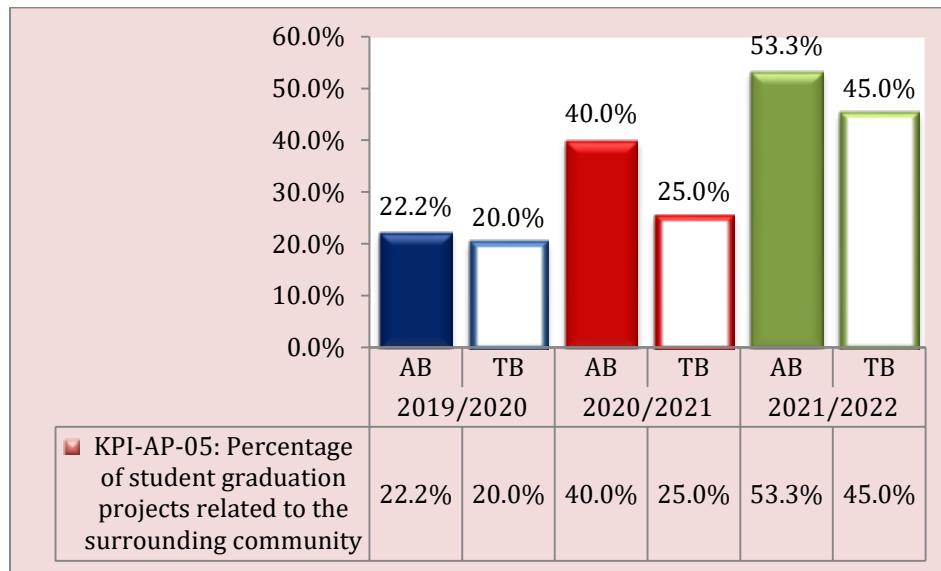


**Analysis:**

The results indicate that the actual value of the indicator shows sharp increase through the year of 2020/2021(4.71) then decreases to 4.35 in year 2022. The targeted value has been achieved in the last two years 2020/2021 and 2021/2022. Investigating the status and trend of the indicator, it has been decided to keep the target at the same value. The new target value 4.2.

**KPI-AP-05: Percentage of student graduation projects related to the surrounding community**

| KPI's Name   | KPI code  | 2019/2020 |     | 2020/2021 |     | 2021/2022 |     |
|--|-----------|-----------|-----|-----------|-----|-----------|-----|
|  |           | AB        | TB  | AB        | TB  | AB        | TB  |
| Percentage of student graduation projects related to the surrounding community | KPI-AP-05 | 22.2%     | 20% | 40%       | 25% | 53.3%     | 45% |



**Analysis:**

The results indicate that the actual value of the indicator rises during the three years. It reaches the targeted value. Investigating the status and trend of the indicator, it has been decided to reestablish the targeted value at 60%.