



Criteria Referenced Evaluation

Introduction

Assessment can be of two types subjective (norm referenced) or criteria referenced (**rubric approach**). The self assessment manual is an example of subjective assessment (norm reference).

Descriptive (norm referenced) assessment varies amongst individuals whereas criteria referenced assessment provides three functions:

- Minimize variations due to subjective judgment
- Very useful when assessment is to be carried out by group of people
- Identifies clearly areas, that need improvement.

Scoring of Criterion Items

Key areas of each criterion are to be scored normally by considering the approach taken by the university and the results achieved. Maximum score for each item is 5 and the minimum is 1. The visiting team is required to award the score by encircling one of the entries against each item. The total of the encircled values (TV) for each criterion will be determined and normalized in percentages. Each criterion has a weight allocated to it. Scores pertaining to a particular criterion will be the product of TV and its weightage. Following are the guidelines to be used to awarding score to each key area.

Results	Score
Poor performance in most of the areas.	1
Fair performance in most of the areas.	2
Good performance for most areas. No poor performance in any areas.	3
Good to excellent performance in all areas.	④
Excellent performance in all areas.	5

Criterion 1 – Program Mission, Objectives and Outcomes	Weight=0.05
Factors	Score
1. Does the program have documented measurable objectives that support faculty / college and institution mission statement?	1 2 3 4 ⑤
2. Does the program have documented outcomes for graduating students?	1 2 3 ④ 5
3. Do these outcomes support the program objectives?	1 2 3 ④ 5
4. Are the graduating students capable of performing these outcomes?	1 2 ③ 4 5
5. Does the department assess its overall performance periodically using quantifiable measurable?	1 2 3 ④ 5
6. Is the result of the Program Assessment documented?	1 2 3 4 ⑤
SCORE (S1)= [TV / (No. of Question * 5)] * 100 * Weight	
Criterion 2 – Curriculum Design and Organization	Weight=0.20
Factors	Score
1. Is the curriculum consistent?	1 2 3 ④ 5
2. Does the curriculum support the program's documented objectives?	1 2 3 ④ 5
3. Are theoretical background, problem analysis and solution design stressed within the program's core material?	1 2 ③ 4 5
4. Does the curriculum satisfy the core requirements laid down by the respective accreditation bodies? (refer to appendix A of the SAM)	1 2 3 ④ 5
5. Does the curriculum satisfy the major requirements laid down by HEC and the respective councils / accreditation bodies? (refer to appendix A of the SAM)	1 2 ③ 4 5
6. Does the curriculum satisfy the general education, arts and professional and other discipline requirements as laid down by the respective councils / accreditation bodies? (refer to appendix A of the SAM)	1 2 3 ④ 5
7. Is the information technology component integrated throughout the program?	1 2 3 ④ 5
8. Are oral and written skills of the students developed and applied in the Program?	1 2 3 4 ⑤
SCORE (S2)= [TV / (No. of Question * 5)] * 100 * Weight	

Criterion 3 – Laboratories and Computing Facilities	Weight=0.10
Factors	Score
1. Are laboratories manuals / documentation /instruction etc. for experiments available and readily accessible to faculty and students?	1 2 3 (4) 5
2. Are there adequate number of support personnel for instruction and maintaining the laboratories?	1 2 3 4 (5)
3. Are the university's infrastructure and facilities adequate to support the program's objective?	1 2 3 (4) 5
SCORE (S3)= [TV / (No. of Question * 5)] * 100 * Weight	
Criterion 4 – Student Support and Advising	Weight=0.10
Factors	Score
1. Are the courses being offered in sufficient frequency and number for the students to complete the program in a timely manner?	1 2 3 4 5
2. Are the courses in the major area structured to optimized interaction between the students, faculty and teaching assistants?	1 2 3 (4) 5
3. Does the university provide academic advising on course decisions and career choices to all students?	1 (2) 3 4 5
SCORE (S4)= [TV / (No. of Question * 5)] * 100 * Weight	
Criterion 5 – Process Control	Weight=0.15
Factors	Score
1. Is the process to enroll students to a program based on quantitative and qualitative criteria?	1 2 (3) 4 5
2. Is the process above clearly documented and periodically evaluated to ensure that it is meeting its objectives?	1 2 3 (4) 5
3. Is the process to register students in the program and monitoring their progress documented?	1 (2) 3 4 5
4. Is the process above periodically evaluated to ensure that it is meeting its objectives?	1 2 3 (4) 5
5. Is the process to recruit and retain faculty in place and documented?	1 2 3 4 (5)
6. Are the processes for faculty evaluation and promotion consistent with the institution mission?	1 2 (3) 4 5
7. Are the processes in 5 and 6 above periodically evaluated to ensure that they are meeting their objectives?	1 2 3 (4) 5
8. Do the processes and procedures ensure that teaching and delivery of course material emphasize active learning and that course learning outcomes are met?	1 2 3 (4) 5
9. Is the process in 8 above periodically evaluated to ensure that it is meeting its objectives?	1 2 3 (4) 5

10. Is the process to ensure that graduates have completed the requirements of the program based on standards and documented procedures?	1 2 (3) 4 5
11. Is the process in 10 above periodically evaluated to ensure that it is meeting its objectives?	1 2 3 (4) 5
SCORE (S5)= [TV / (No. of Question * 5)] * 100 * Weight	
Criterion 6 – Faculty	Weight=0.20
Factors	Score
1. Are there full time faculty members to provide adequate coverage of the program areas / courses with continuity and stability?	1 2 3 (4) 5
2. Are the qualifications and interests of the faculty members sufficient to teach all courses, plan, modify and update courses and curricula?	1 2 3 (4) 5
3. Do the faculty members possess a level of competence that would be obtained through graduate work in the discipline?	1 2 (3) 4 5
4. Do the majority of faculty members hold a Ph. D degree in their discipline?	(1) 2 3 4 5
5. Do faculty members dedicate sufficient time to research to remain current in their disciplines?	1 2 (3) 4 5
6. Are there mechanisms in place for faculty development?	1 2 (3) 4 5
7. Are faculty members motivated and satisfied so as to excel in their profession?	1 2 3 (4) 5
SCORE (S6)= [TV / (No. of Question * 5)] * 100 * Weight	
Criterion 7 – Institutional Facilities	Weight=0.10
Factors	Score
1. Does the institution have the infrastructure to support new trends such as e-learning?	1 2 3 (4) 5
2. Does the library contain technical collection relevant to the program and it adequately staffed?	1 2 3 (4) 5
3. Are the class rooms and offices adequately equipped and capable of helping faculty carry out their responsibilities?	1 2 3 4 (5)
SCORE (S7)= [TV / (No. of Question * 5)] * 100 * Weight	
Criterion 8 – Institutional Support	Weight=0.10
Factors	Score
1. Is there sufficient support and finances to attract and retain high quality faculty?	1 2 (3) 4 5
2. Are there an adequate number of high quality graduate students, teaching assistants and Ph.D. students?	1 2 (3) 4 5
SCORE (S8)= [TV / (No. of Question * 5)] * 100 * Weight	

Overall Assessment Score= S1 + S2 + S3 + S4 + S5 + S6 +S7 + S8

Remarks:
