Virtual University of Pakistan

Assessment Team Report

Department Name: Computer Science

Program Name: MCS

Criteria Referenced Evaluation

	Poor performance in most of the areas.	Fair performance in most of the areas.	Good performance for most areas / No poor performance in any areas.	Good to excellent performance in all areas.	Excellent performance in all areas.	Score
Criterion 1			√			**3.16**
Criterion 2				√		**3.78**
Criterion 3				√		**8.66**
Criterion 4			√			**4.66**
Criterion 5				√		**10.9**
Criterion 6			√			**12.0**
Criterion 7				√		**7.33**
Criterion 8			√			**6.00**

Criteria Referenced Self Assessment – Methodology and Evaluation Tool

Criterion 1 – Program Mission, Objectives and Outcomes		Weight = 0.05			
Factors		**Score**			
1	Does the Program have documented measureable objectives that support faculty / college and institution mission statements?	5	4	**3**	2	1
2	Does the Program have documented outcomes for graduating students?	5	**4**	3	2	1
3	Do these outcomes support the Program objectives?	5	**4**	3	2	1
4	Are the graduating students capable of performing these outcomes?	5	4	**3**	2	1
5	Does the department assess its overall performance periodically using quantifiable measures?	5	4	3	**2**	1
6	Is the result of the Program Assessment documented?	5	4	**3**	2	1
Total Encircled Value (TV)		0	8	9	2	0

Score 1 **(S1)** = [TV/(No. of Questions *5)] *100 *Weight = 3.16

Criterion 2 – Curriculum Design and Organization		Weight = 0.05			
Factors		**Score**			
1	Is the curriculum consistent?	5	**4**	3	2	1
2	Does the curriculum support the program's documented objectives?	5	**4**	3	2	1
3	Are theoretical background, problem analysis and solution design stressed within the program's core material?	5	4	**3**	2	1
4	Does the curriculum satisfy the core requirements laid down by respective accreditation bodies? (refer Appendix A of the Self Assessment Manual)	**5**	4	3	2	1
5	Does the curriculum satisfy the major requirements laid down by HEC and the respective councils / accreditation bodies? (Refer to appendix A of the Self Assessment Manual)	5	**4**	3	2	1
6	Does the curriculum satisfy the general education, arts and professional and other discipline requirements as laid down by the respective / accreditation bodies / councils? (Refer to Appendix A of the Self Assessment Manual)	5	**4**	3	2	1
7	Is the information technology component integrated throughout the program?	5	**4**	3	2	1
8	Are oral and written skills of the students developed and applied in the program?	5	4	**3**	2	1
Total Encircled Value (TV)		5	20	6	0	0

Score 2 **(S2)** = [TV/(No. of Questions *5)] *100 *Weight = 3.87

Criterion 3 – Laboratories and Computing Facilities Weight = 0.10

Factors		Score				
1	Are laboratory manuals / documentation / instructions etc. for experiments available and readily accessible to faculty and students?	5	**4**	3	2	1
2	Are there adequate number of support personnel for instruction and maintaining the laboratories?	**5**	4	3	2	1
3	Are the university's infrastructure and facilities adequate to support the program objectives?	5	**4**	3	2	1
	Total Encircled Value (TV)	5	8	0	0	0

Score 3 **(S3) = [TV/(No. of Questions *5)] *100 *Weight = 8.66**

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?	5	**4**	3	2	1
2	Are the courses in the major area structured to optimize interaction between the students, faculty and teaching assistants?	5	4	3	**2**	1
3	Does the university provide academic advising on course decisions and career choices to all students?	5	4	3	2	**1**
	Total Encircled Value (TV)	0	4	0	2	1

Score 4 **(S4) = [TV/(No. of Questions *5)] *100 *Weight = 4.66**

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?	5	**4**	3	2	1
2	Is the process above clearly documented and periodically evaluated to ensure that it is meeting its objectives?	5	4	**3**	2	1
3	Is the process to register students in the program and monitoring their progress documented?	**5**	4	3	2	1
4	Is the process above periodically evaluated to ensure that it is meeting its objectives?	5	**4**	3	2	1
5	Is the process to recruit and retain faculty in place and documented?	5	**4**	3	2	1
6	Are the processes for faculty evaluation & promotion consistent with the institution mission?	5	4	**3**	2	1
7	Are the processes in 5 and 6 above periodically evaluated to ensure that they are meeting their objectives?	5	**4**	3	2	1

#	Factor	5	4	3	2	1
8	Do the processes and procedures ensure that teaching and delivery of course material emphasize active learning and that course learning outcomes are met?	5	**4**	3	2	1
9	Is the process in 8 above periodically evaluated to ensure that it is meeting its objectives?	5	**4**	3	2	1
10	Is the process to ensure that graduates have completed the requirements of the program base on standards and documented procedures?	5	4	**3**	2	1
11	Is the process in 10 above periodically evaluated to ensure that it is meeting its objectives?	5	4	3	**2**	1
	Total Encircled Value (TV)	5	24	9	2	0

Score 5 (S5) = [TV/(No. of Questions *5)] *100 *Weight = 10.91

Criterion 6 – Faculty						Weight = 0.20

Factors				**Score**		
1	Are there enough full time faculty members to provide adequate coverage of the program areas / courses with continuity and stability?	5	4	**3**	2	1
2	Are the qualifications and interests of faculty members sufficient to teach all courses, plan, modify and update courses and curricula?	5	**4**	3	2	1
3	Do the faculty members posses a level of competence that would be obtained through graduate work in the discipline?	5	**4**	3	2	1
4	Do the majority of faculty members hold a PhD degree in their discipline?	5	4	3	**2**	1
5	Do faculty members dedicate sufficient time to research to remain current in their disciplines?	5	4	**3**	2	1
6	Are there mechanisms in place for faculty development?	5	4	3	**2**	1
7	Are faculty members motivated and satisfied so as to excel in their profession?	5	4	**3**	2	1
	Total Encircled Value (TV)	0	8	9	4	0

Score 6 (S6) = [TV/(No. of Questions *5)] *100 *Weight = 12.00

Criterion 7 – Institutional Facilities					Weight = 0.10

Factors				Score			
1	Does the institution have the infrastructure to support new trends such as e-learning?	**5**	4	3	2	1
2	Does the library contain technical collection relevant to the program and is it adequately staffed?	5	4	3	**2**	1
3	Are the class rooms and offices adequately equipped and capable of helping faculty carry out their responsibilities?	5	**4**	3	2	1
Total Encircled Value (TV)		5	4	0	2	0

Score 7 (S7) = [TV/(No. of Questions *5)] *100 *Weight = 7.33

Criterion 8 – Institutional Support					Weight = 0.10

Factors				Score			
1	Is there sufficient support and finances to attract and retain high quality faculty?	5	**4**	3	2	1
2	Are there an adequate number of high quality graduate students, teaching assistants and Ph.D students?	5	4	3	**2**	1
Total Encircled Value (TV)		0	4	0	2	1

Score 8 (S8) = [TV/(No. of Questions *5)] *100 *Weight = 6.00

OVERALL ASSESSMENT SCORE = S1 + S2 + S3 + S4 + S5 + S6 + S7 + S8 + S9 + S10

= 3.16 + 3.87 + 8.66 + 4.66 + 10.91 + 12.00 + 7.33 + 6.00

= **56.59**

Remarks:

The assessment score may be increased by covering the grey areas mentioned in Assessment Report, attached along with this document.