

Improving Computer and Software Engineering Tertiary Education Project (ICSETEP)
ToRs and Evaluation Criteria for Individual Consulting Selection (ICS) Positions

PMU/ S-5: Higher Education Specialist

Required Qualifications & Experiences:

- Bachelor and Master degree in Computer Science and Engineering or ICT relevant subject;
- PhD in IT relevant subject;
- At least 15 years experience in teaching and research; more experience is desirable;
- At least 7 years experience in CSE/IT curriculum development for graduate or post graduate level;
- Experience in tertiary education level accreditation activities.

Scope of Works:

The specialist must support but not limited to -

- a) Support UGC and universities for developing CSE/IT in Tertiary Education and Scientific Research to meet the market demand from rapid technological changes from the 4th industrial revolution;
- b) Support to design curriculum, syllabus, specialization course, teaching materials to make them more industry responsive;
- c) Facilitate short-term and long-term training programs under the project;
- d) Assist PMU, UGC, universities in providing stipend, competitive research grant, national competition and training;
- e) Assist PMU, UGC, universities and curriculum specialist (international) in developing ToR for visiting professors;
- f) Assist PMU and PIUs in applying international accreditation (Washington Accord) in close consultation with BAETE;
- g) Assist to design and develop Open Courseware for CSE/IT academic courses;
- h) Assist PMU and PIUs to evaluate project outcomes; and
- i) Maintain close coordination among UGC, Universities and Industries.

Deliverables:

- a) Curriculum development plan with timeline
- b) Reviews and inputs to the curriculum development
- c) Reviews and inputs to faculty development activities
- d) Inputs to quarterly progress reports

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A. Minimum Criteria to Prepare List of Preliminary Qualified Candidates

1. Nationality: Bangladeshi
2. Bachelor and Master degree in Computer Science and Engineering or ICT
3. PhD in IT relevant subject;
4. At least 15 years experience in teaching and research
5. At least 07 years experience in graduate / post graduate level CSE/IT education development
6. Experience in tertiary education level accreditation activities

B. Detailed Scoring Criteria to Rank Preliminary Qualified Candidates

Criteria	Total Score
A. Educational Qualification:	20
Bachelor and Master degree in Computer Science and Engineering or ICT PhD in IT relevant subject	
B. General Experience:	20
1. At least 15 years experience in teaching and research	15
2. Experience more than 15 years	05 1 point per Year
C. Specific Experience:	40
1. At least 7 years experience in CSE/IT curriculum development for graduate or post graduate level.	15
2. Research publications and achievements in Last 10 Years (2014 -Till) [Full point for First Author or Corresponding Author or Supervisor; point will be proportional for other cases]	15
a. Article Publication in Reported Journal: (i) 02 point for each article in Web of Science indexed Journal with Impact Factor; Q1/Q2 Preferable (ii) 01 point for each article in Scopus indexed Journal <i>excluding publications in (i)</i> ; Q1/Q2 Preferable b. Book Publication for CSE/IT Tertiary Level (Max Allotted Point 02): 01 point for each Book c. Other Research Achievements (e.g., Award) (Max Allotted Point 03): 01 point per Achievement	
3. Experience in tertiary education level accreditation activities	10 1 point per Year
D. Suitability for the Assignment:	20
1. Developing CSE/IT tertiary education and scientific research to meet the market demand from rapid technological changes from the 4IR.	05
2. Support the design of curriculum, syllabus, specialization course, teaching materials to make them more industry responsive	05
3. Support for international accreditation (e.g., Washington Accord) in close consultation with BAETE	05
4. Working Experience with Project Management and Research / Innovation Grant	05
Viva (Optional):	
- On Workshop, Seminar or Facilitate dialogue	
Total:	100