

# Form -05: Research and Development

NBEAC defines “research” as a broad spectrum of intellectual undertaking. It ranges from scholarly publication primarily directed towards the academic community, to professionally relevant publications and activities targeting organizations and business practitioners, to educationally relevant productions for learners and teachers in the universities, schools and companies. Therefore, within the NBEAC criteria, the term has broad meaning and goes beyond purely academic concept of research.

Programs (applied for):

1. Are there any self-standing research centers or institutes? Provide the names and overview.
2. Describe the overall research policy and strategy of the school. Explain how the research agenda contributes to the strategic objectives of the school. Attach the R&D policy as Appendix-5A.
3. Is there a dean or director of research? Is there a research or scientific committee? If yes, please provide the details of roles and responsibilities of the dean or director of the research and/or the head of committee and other members along with their research and work profile.
4. Does the school publish a management or business journal? If yes, provide the name and the year of inception. Attach brief details, such as aim/scope, submission guidelines and volumes per years as Appendix-5B.
5. How much time does the school policy allow for the research in faculty workload assignment? What is the actual practice for the core business faculty<sup>i</sup>? Provide the weekly details (working hours) of the workload of core faculty member devoted to teaching, administration, and research.
6. Provide a breakdown of research funding over the last three years in Table 5.1 (internal budgetary allocations, government funding, international research grants and company sponsorship).

Table 5.1. Details of research funding (in PKR)

	Internal budgetary allocations	Government funding	International research grants	Company sponsorships	Others	Total
Year (t)						
Year (t-1)						
Year (t-2)						

1. *t* represents the latest year for which data is available. Please replace row headings with actual years.

7. Provide details of the internal budgetary allocations. Also for all research projects covered in Table 5.1 and with funding greater than 100,000 PKR, list the name of the project, the name of the principal investigator, the name of funding agency, amount of funding and completion stage of the project as Appendix-5C. Also provide a 100-200 words summary of the project in the same appendix.
8. Provide a summary of research output of the core faculty members<sup>ii</sup> of business school in last three academic years in Table.5.2 (No's.)

Table 5.2. Summary of research output

Type of publication	Number of items	Number of contributing core faculty members <sup>iii</sup>	Number of items jointly produced by two or more faculty members	Number of items jointly produced in collaboration with other institutions	Research activity ratio: Number of items / Number of contributing core faculty members
Academic research articles <sup>iv</sup>					
HEC category “W”					
HEC category “X”					
HEC category “Y”					
Other articles					
Practice oriented research articles					
Studies/reports for companies & government					
Studies/reports as a part of international network					
Papers in academic conferences					
Papers in professional conferences					
Published case studies					
Books or research monographs					
Text books					
Chapters in books					
Articles on pedagogic developments & innovations					
Published teaching materials					
Doctoral theses completed					
Others (please describe)					
Total					

9. Attach a complete list of items mentioned in Table.5.2 as Appendix-5D using APA end-text referencing. For each academic research article, clearly mention the impact factor and/or HEC category at the end of the reference.
10. Describe how the outcomes of research contribute to the quality of learning and program innovation, and/or to solving real life problems and industry needs. Describe current and proposed activities to develop new tools for management or for increasing the impact of the school in the corporate sector.
11. Describe the use of R&D efforts of the school in the curriculum of various degree programs. How often do the faculty members share the outcome of recent national and international R&D including research articles, book chapters, cases and monographs in the classroom?
12. How much of the R&D budget funds the faculty development plan? Provide details. How do the faculty development programs contribute to exposure, understanding and R&D skills development among the faculty members? How does the faculty research agenda contribute to changes in the teaching and research?

13. How is the learning from consultancy projects shared with junior faculty for their development?

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<sup>i</sup> Core business faculty: Faculty with terminal degree in business, management and related areas and teaching core business courses.

<sup>ii</sup> Report data on research and publication for the core faculty, defined as members of the faculty for whom the school is the principal employer. The report should not include publications of part-time staff from other schools or departments, adjunct faculty, visiting professors, or business practitioners.

<sup>iii</sup> Only include faculty members from within the school at the time of production

<sup>iv</sup> Articles, conference papers, journal articles, and other research work published in HEC recognized journals / ISI index journals, conference proceedings, and other reputable abstracting indexing service i.e. EMERALD, JSTOR, Science Direct, etc.