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| **Course Name** | **BCS 222/BIT 223 - Research Methods and Technical Writing** | |
| Credit Units | 3 | |
| Pre-requisite | Systems Analysis and Design | |
| Aim | To equip students with the necessary tools to undertake a scientific research; To  be able to present convincing and data-based project proposals; Become more research-oriented in their professional work. | |
| Objectives  (Indicative Learning Outcomes) | At the end of the course, the students are expected to:  a) Develop skills of finding and analyzing data  b) Explain and criticize approaches to the construction of knowledge c) Conduct, document and report a state-of-the-art Research.  d) Acquire greater knowledge and understanding of various research techniques;  e) Collect, analyze, consolidate and interpret data;  f) Apply statistical tools to arrive at conclusions. | |
| Content | Nature and Characteristics of Research; Characteristics of Research; Research  Problem and Objectives; Review of Related Literature; Research Design; Qualities of a Good Research Instrument; Sampling Designs; Statistical Treatment; Data Analysis and Interpretation; Participatory Research; Preparation of Proposals for IS Projects; Thesis Writing; Documentation of IS Paper | |
| Learning and  Teaching  Methodologies | Lectures, small group discussion, small group research project and tutorials | |
| Assessment | Type | Weighting (%) |
| Examination | 70 |
| Continuous Assessment | 30 |
| Total | 100 |
| Recommended  Reading | Research Methodology: Methods and Techniques. Kothari. Wishwa Prakashan  Research Methods for Business Students. Saunders, Lewis, Thornbill. Pitman  Publishing. ISBN: 0-273-62017-7 | |