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| **Author(s) Name:** | Muhibul Haque Bhuyan | | |
| **Contact Email(s):** | muhibulhb@aiub.edu | | |
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| **Abstract:** |  |
| Abstract— The acquisition of a BSc in EEE is a requirement for a successful career in engineering. However, not all students in Bangladesh have the opportunity to gain admission into degree programmes. The aim of this research is to report the challenges that the Department of Electrical and Electronic Engineering faced in attracting students to the BSc in EEE programme, as well as how they assessed and evaluated the students. The research was a case study conducted in the fall semester of 2020 during the period of online education due to the COVID-2019 pandemic. Various examination and assessment tools were used for the student performance evaluation. Some of the statistical parameters like average, maximum and median were used for the comparative analysis of the student performances on online quizzes, assignments and the obtained letter grades of the regular and evening programmes. It was found that in most of the cases evening programme students performed better in the same course. | |