**B. Coursework Details**

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| Sl. No. | Name of the Course | Credits obtained | Total Credit | Grade |
|  | **Certificate course in biostatistics epidemiology and research methodology**  **Course Contents:** Introduction to biostatistics, Sampling methods, Descriptive statistics, Introduction to Normal distribution, Introduction to sampling distribution, Standard error, Confidence interval and sampling distribution, Statistical inference: introduction, parametric and non-parametric methods, Sample size determination in health science research, Measures of agreement (Kappa statistics and Intra-Class Correlation), Correlation and regression analysis, Introduction to survival analysis, Introduction to systematic reviews and meta-analysis, Epidemiological study designs and basic experimental designs, Epidemiological measures. Reliability and validity of screening and diagnostic tests, ROC analysis. Development of research tools, Protocol preparation. Proposal writing, Report writing and publishing, Critical review of research report and journal article.  **Study duration:** Six months  **Study centre:** Department of Statistics, Manipal University, Manipal | 13.75 | 16 | A |