Abstract

The study focuses on the development of a Multimedia Package for primary school students with special reference to Dyslexia. As a preface to the experiment, the Investigator on the basis of the detailed analysis of the Screening Test scores, identified Students with Specific Learning Disabilities and thereby those having Dyslexia. The Investigator developed a Reading Miscue Inventory (RMI) and a standardised Reading Assessment Test (RAT). RMI was used to find out the type of reading errors in the selected sample. Using RAT, the Investigator compared the extent of Dyslexia among the upper primary school students based on their Gender, Locality, Nature of school, Economic status and Type of the family. The analysis of the data revealed the need of a training for the upper primary school students with Dyslexia to minimise their reading miscues for the enhancement in reading. Based on the type of Reading Miscues and Learning Styles, a Multimedia Package (MMP) was prepared and the students were provided the experiential training.

After developing the Multimedia Package, the effectiveness of the developed Multimedia Package was assessed using RMI & RAT. The effectiveness of the MMP for minimising Reading Miscues viz. Omissions, Substitutions, Reversals, Additions, Repetitions, Mispronunciations and Refusals among upper primary school students with Dyslexia for the total sample, sub-samples and the various categories within the sub-sample was found out using RMI. Also, its effectiveness for enhancing the reading attainment scores of upper primary school students was found out for the total sample, sub-samples and the various categories within the experimental sample using RAT. Delayed post-test (RAT) results were compared totally and sub-sample wise to find out whether the MMP has any significant effect on the retention capacity of Dyslexic students. The quantitative analysis of the data collected was done using suitable statistical techniques such as computation of percentage, paired ‘t’ test, ANCOVA, ANOVA, One-way Repeated Measures ANOVA and Pair-wise Multiple Comparison with Sidak correction. The findings of the study revealed that for the total sample, sub-samples and various categories within the sub-samples, the developed MMP is effective in reducing the reading Miscues. Also significant enhancement was seen in the reading attainment scores and retention capacity of Dyslexic students after the intervention of the Multimedia Package. In order to propose the application dynamics of the study, an Evaluation Proforma is applied to experts, suggestions were collected. The evaluation results revealed the quality of the Multimedia Package.