SREE VIDYANIKETHAN ENGINEERING COLLEGE
(AUTONOMOUS)
Sree Sainath Nagar, Tirupati – 517102

Department of Master of Computer Applications

A Report on Add-on Course
Computational Thinking using Open source Tool "RAPTOR"

(14-10-2019 to 19-10-2019)

The Department of Master of Computer Applications, SVEC, organized a One Week Add-on course on "Computational Thinking using Open source Tool "RAPTOR" from October 14th to 19th 2019.

The main objective of this Add-on Course is to introduce Open source Tool "RAPTOR" (**R**apid **A**lgorithmic **P**rototyping **T**ool for **O**rdered **R**easoning) which provides a flowchart-based programming environment designed to help students to visualize their algorithms.

During the course, students learnt how to develop a program by essential planning and its normal usage of pseudo code which gives a chance to see a "real-life" application of programming.

The welcome address was given by Dr. K. Suneetha, Head, Department of MCA, SVEC stating the objective and importance of RAPTOR. The members of faculty of MCA, SVEC, Mr. T. Naresh and Mr. G. Jagadeesh Kumar have acted as resource persons for this Add-on course.

During the session, the resource persons delivered the concepts like Elements of RAPTOR; Input & Output Symbols; Control Structure symbols; Arrays and Strings; Sub charts & Parameterized sub charts; and Flow chart representation for Recursive programs. Compared with other programming languages, the RAPTOR tool has minimal syntax (grammar) which means one can spend less time to learn it, debug syntax errors effectively and develop and design good logic for programs. Also, the RAPTOR program is visual because it uses diagrams which allows one to understand the flow of control of the statements in every program easily.

The valedictory function commenced on 19th October 2019 at 4:30 PM in the SVEC MCA Lab presided by Dr. K. Suneetha, Head, Department of MCA.

Totally 45 students of MCA I semester participated and gained knowledge on RAPTOR.

*Resource Person **Mr.G. Jagadeesh Kumar** delivering talk on RAPTOR*