

**Report on MATLAB Workshop by Avanthi Degree and PG college on 27th and 28th of December 2019 to teach concepts regarding the software and addins.**

A two day national workshop on MATLAB, Megastat and Solver was organised by Avanthi Degree and PG college on 27th and 28th of December 2019 to teach concepts regarding the software and addins.

It was organised under the guidance of Dr. K. Srinivasa Rao, the resource person of the event and was lead by the efforts of the Department of Mathematics And Statistics of the college in association with IQAC.

The first day of the workshop was begun by the Inaugural Function followed by the introduction of the resource person, briefing the participants of the workshop regarding the event. A study material was provided by the department that covered all the topics which were taught in the workshop. Both students and teachers were together involved and associated with great passion. The basics of MATLAB, functions, handling of arrays and matrices were among the few topics that were covered in the workshop. With constant guidance for Mr. Srinivasa and the lab assistants of the computer department; every individual comprehended the concepts taught. A very fun session of plotting 2D and 3D graphs took place, wherein everyone was engrossed into getting a visual interpretation of the regular equations and functions that need complex calculations.

The participants understood the need of technology and software in making complex mathematical and physical equations easy.

The second day of the workshop went with the same spirit. Doubts and questions regarding the session were appreciated and cleared with utmost patience and perseverance. Optimization techniques and Data Analysis concepts were covered on the second day. The worksheets provided in the material were solved by the participants with joy and fun. Completing the concepts of MATLAB, Mr. Srinivasa Incorporated the other aspect of the workshop and helped students get in touch with Megastat and Solver.

On completion of the workshop, the participants were requested to attend the valedictory function with the chief guest being the professor of Osmania University, Mr. Goverdhan. With motivation from the Chief Guest, Principal and resource person; the participants induced a driving force to familiar themselves regarding such Mathematical solvers and software. The certificates of participation and feedback were given at the end of the program. The participants expressed their gratitude towards knowledge gained and indicated a happy learning experience at the end of both the days.

