

**Guest Lecture by Dr. Martha, IIT Rurki on**  
**'Differential Equations and Its Applications in**  
**Engineering**





### **News Report**

The Department of Mathematics, DAV University Jalandhar organized a lecture on 'Differential Equations and Its Applications in Engineering' on November 23, 2019. Dr. Sarika Verma, HoD of the department and other faculty members welcomed the speaker Dr. S. C. Martha, Associate Professor, IIT Ropar, along with memento in the honour of the speaker.

Dr. S.C. Martha started his talk with the motivation to do Mathematics and its uses in daily life. He told the students that they must fix an aim and start working on it. He showed different real life problems which need Mathematical modeling. Further Dr. Martha explained the graphical method to find the roots of a transcendental equation and also discussed a special case of mixed boundary value problem arising in scattering of water waves by obstacles in case of finite depth of fluid. He concluded his talk by obtaining the solutions of these equations by using Linear Algebra techniques. At last he motivated he students for research in Science. At the end, Dr. Raj Kumar presented a vote of thanks, on the behalf Department of Mathematics.