

DEPARTMENT OF CIVIL ENGINEERING

REPORT ON GUEST LECTURE

Department of Civil engineering had organized a guest lecture on “Soil Stabilization” for the B.tech-2nd year and 3rd year in auditorium on **17th January’2017**. **Dr Anil Kumar Sahu** was the speaker for the lecture, who is presently working as a Professor in **Delhi Technical University** whose areas of interest are geotechnical engineering and concrete technology.

In his lecture **Dr. A. K. Sahu** discussed about the soil mechanics, soil fabrics, cation exchange capacity and consolidation techniques. Engineering applications, like lime treatment for the swelling clay is one such example.

He explained the objective of the stabilization, which is to improve the shear strength and to reduce settlement. He told the students about determination of pre-consolidation pressure and shear strength of the soil (influencing factor, shear failure) which is one of the most important task, to work in the direction of soil stabilization.

Some real life examples were also shared by him. It was an enlightening experience for the students.

