Nane of the paper: Applications of Definite Integral
Mr. Jomesh Jose, Assistant Professor, Department of Mathematics, Christ
College (Autonomous) Irinjalakuda.

Syllabus
Applications of Definite Integral

Surfaces of Revolution, surface area as surface of revolution

Work- Work Done by a Constant Force, Work Done by a Variable Force,
Hook's Law

Moments and Center of Mass- Measures of Mass, Center of Mass of a System on a
Line, Center of Mass of a System in the Plane, Center of Mass of Laminas

9 Hours