1158-97-15 **Chanchal Dass*** (cdass01@gmail.com), F 201 Parth Avenue, Near ONGC office, Chandkheda, Ahmedabad, Gujarat 382424, India. *Activity-Based Mathematics Teaching with an examples of Kinematics.*

Over the years many mathematics teaching techniques have been evolved but with the advent of modern computing technology, the opportunity of new teaching techniques grew wider. There are many options available now. Now for teaching mathematics audios, videos, augmented reality, virtual reality, etc. are being used. An innovative technique of teaching mathematics has been developed taking advantage of the advancements of technology. It is an activity-based mathematics teaching technique that uses simple spreadsheets to explain all the mathematical concepts. The core of this innovation is a few simple techniques that can help in converting any mathematical or scientific concept into geometrical shapes without any programming knowledge. This is a great innovation in the field of mathematics education. With this technical explanation of all advanced and complex mathematical concepts becomes very simple. In this paper, an attempt is made to explain this teaching technique to teach kinematics. It will start with the theories available to draw simple curves and extend this knowledge to explain complex motions of machine parts including robotics. (Received January 31, 2020)