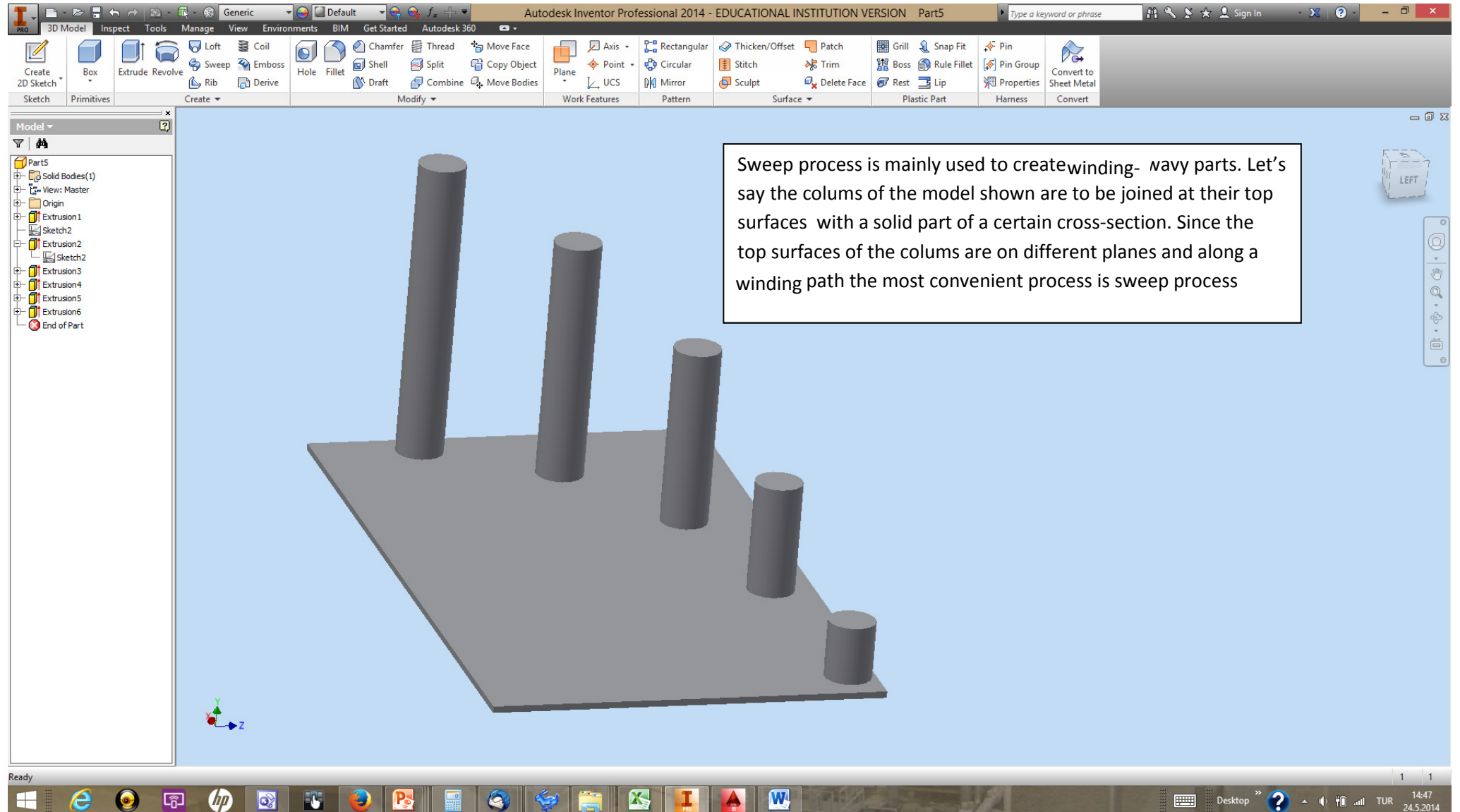


SWEEP Process:

Example



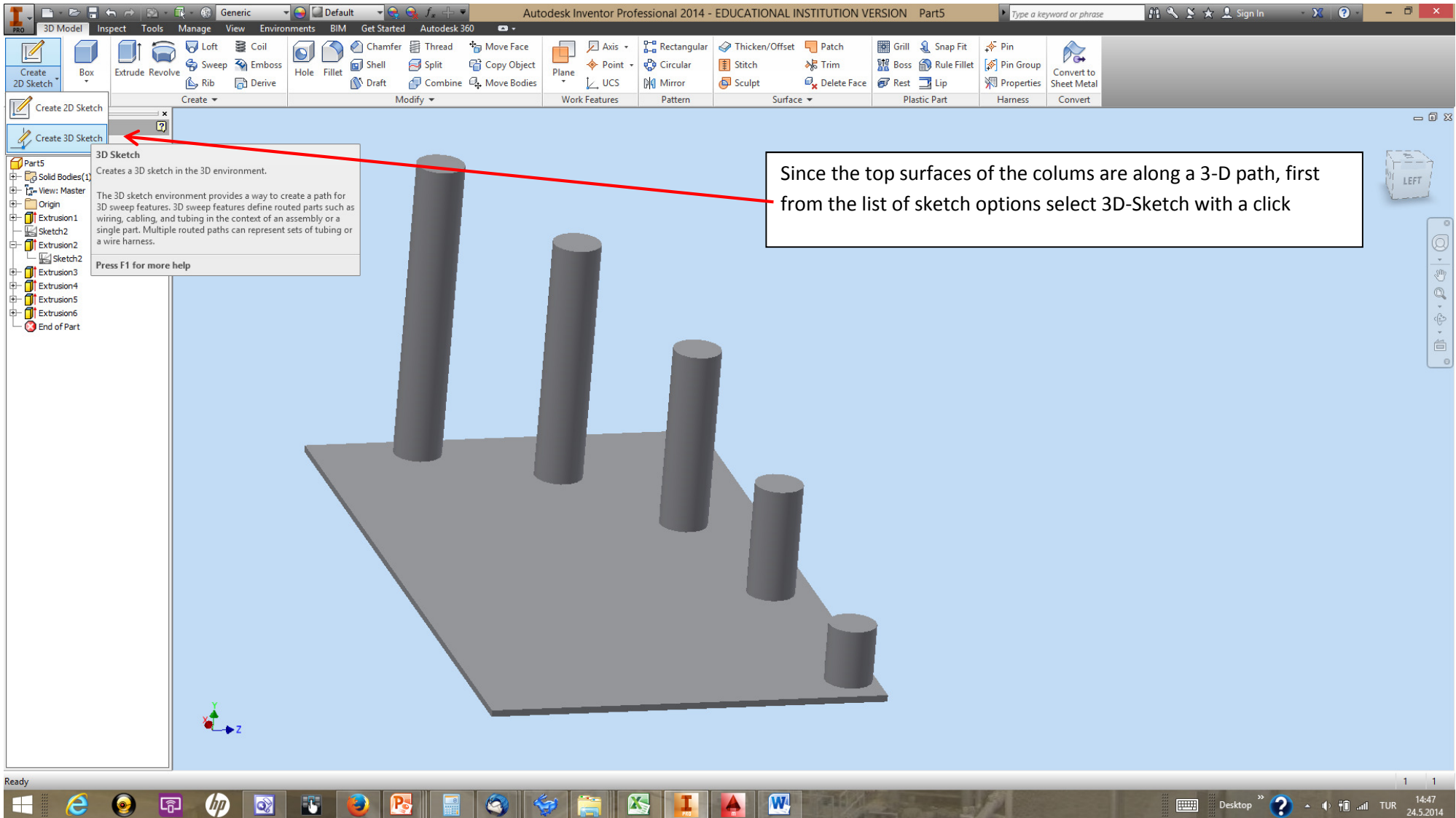
The screenshot displays the Autodesk Inventor Professional 2014 interface. The main workspace shows a 3D model of a gray rectangular plate with five cylindrical columns of varying heights and positions. The columns are arranged in a descending line from left to right. A text box in the upper right of the workspace contains the following text:

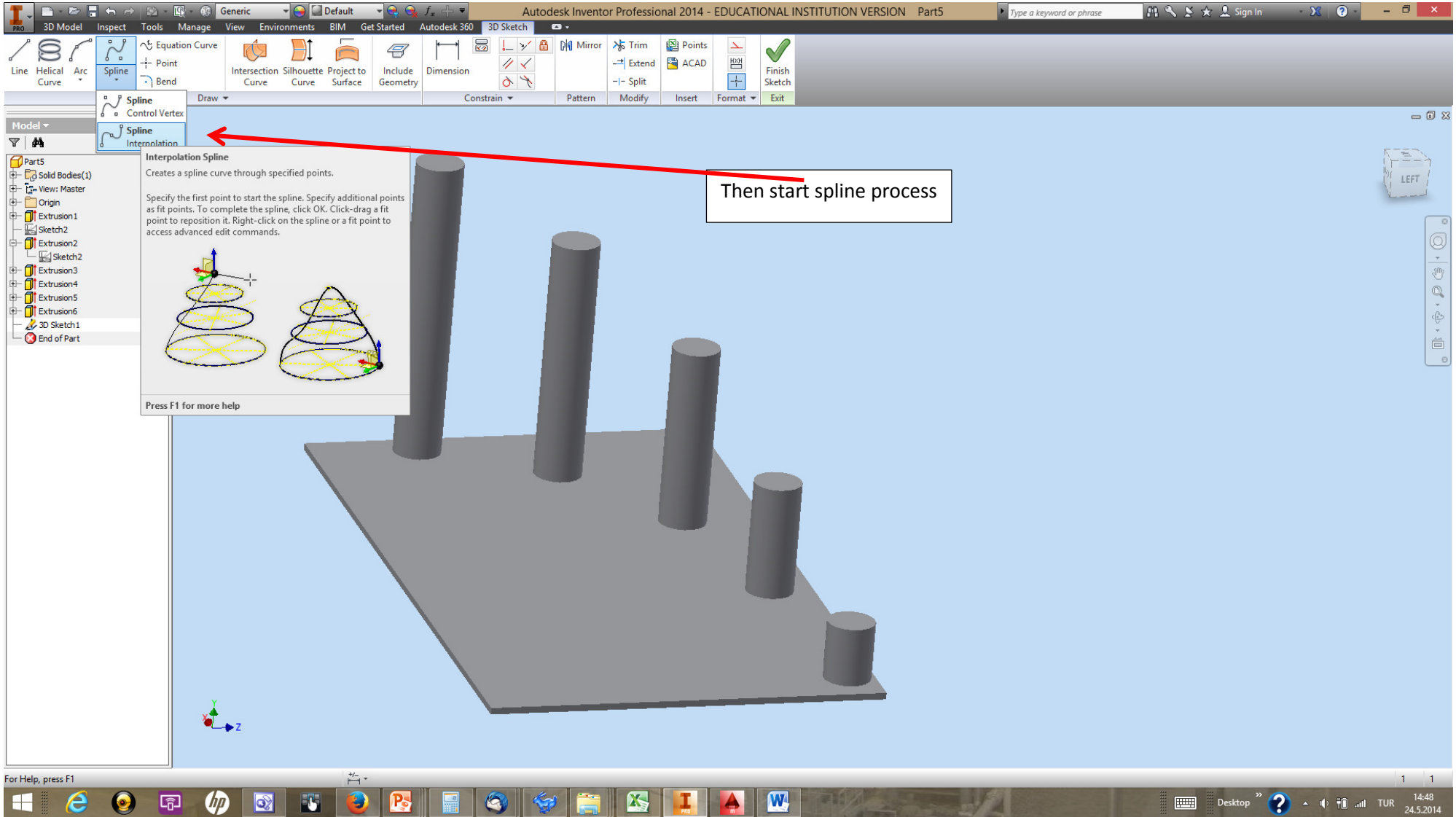
Sweep process is mainly used to create winding- wavy parts. Let's say the columns of the model shown are to be joined at their top surfaces with a solid part of a certain cross-section. Since the top surfaces of the columns are on different planes and along a winding path the most convenient process is sweep process

The software interface includes a ribbon with various tool categories such as Sketch, Primitives, Create, Modify, Work Features, Pattern, Surface, Plastic Part, Harness, and Convert. The left-hand Model Browser shows the following structure:

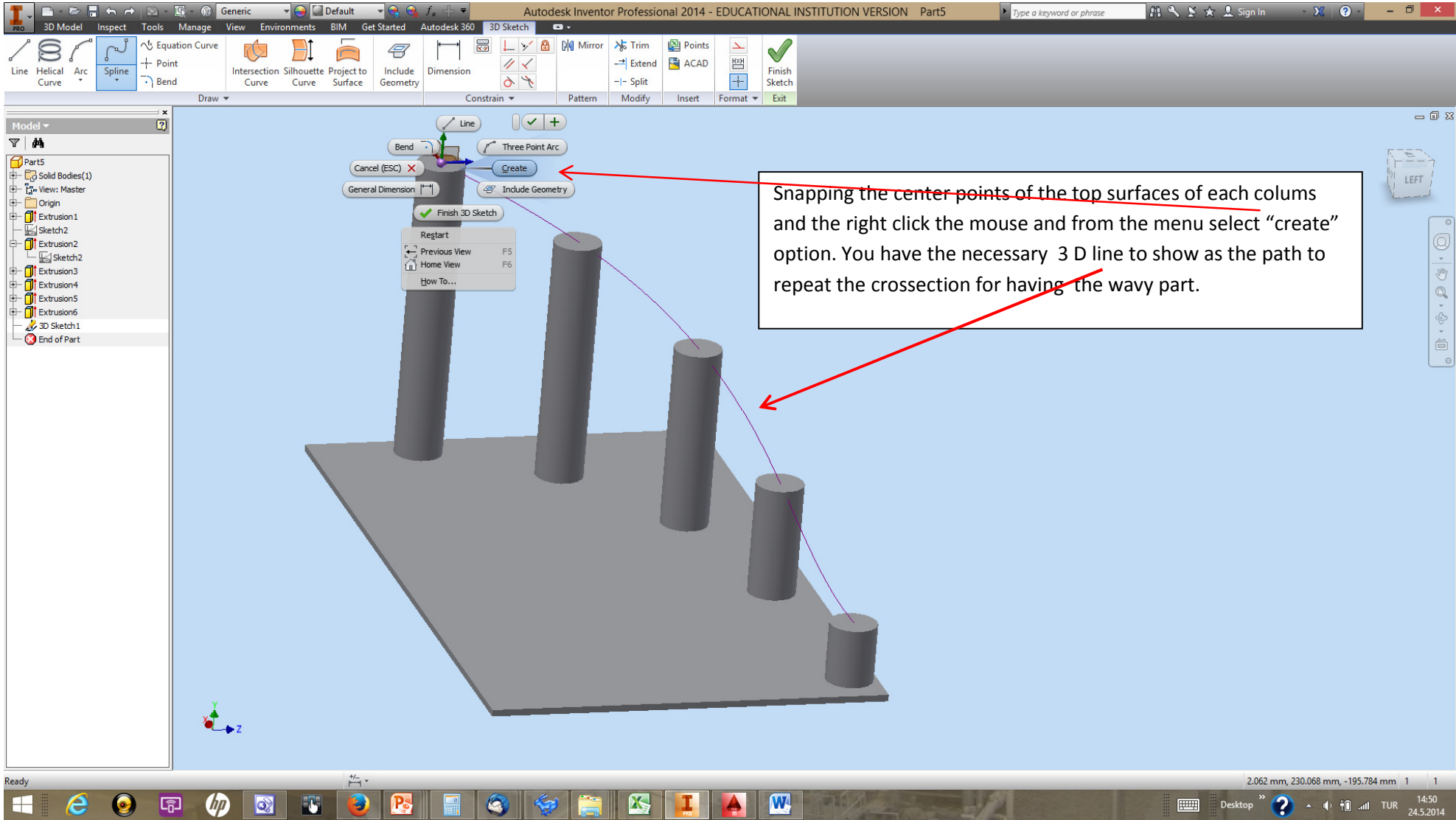
- Part5
 - Solid Bodies(1)
 - View: Master
 - Origin
 - Extrusion1
 - Sketch2
 - Extrusion2
 - Sketch2
 - Extrusion3
 - Extrusion4
 - Extrusion5
 - Extrusion6
 - End of Part

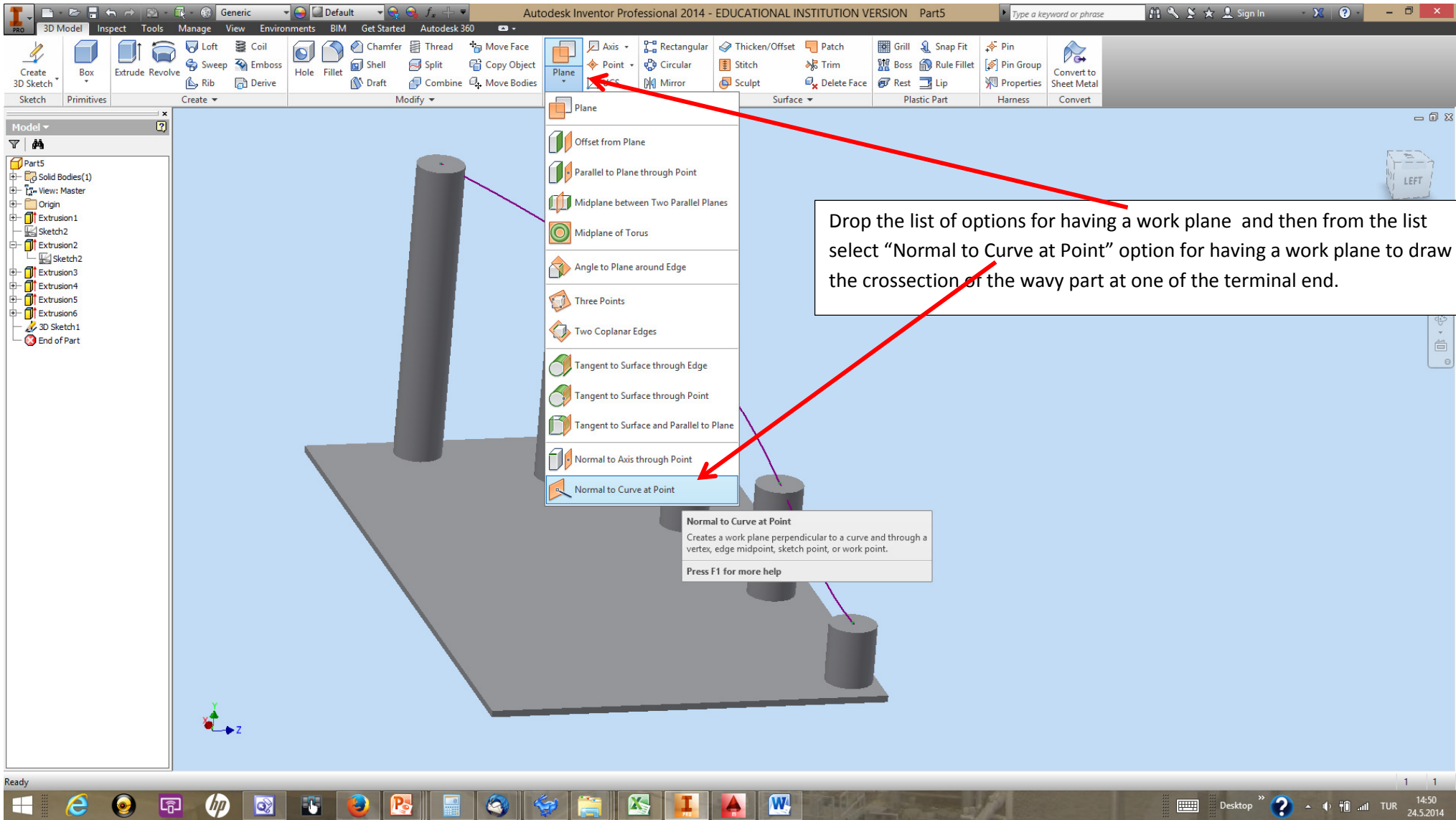
The Windows taskbar at the bottom shows the system tray with the date and time: TUR 14:47 24.5.2014.

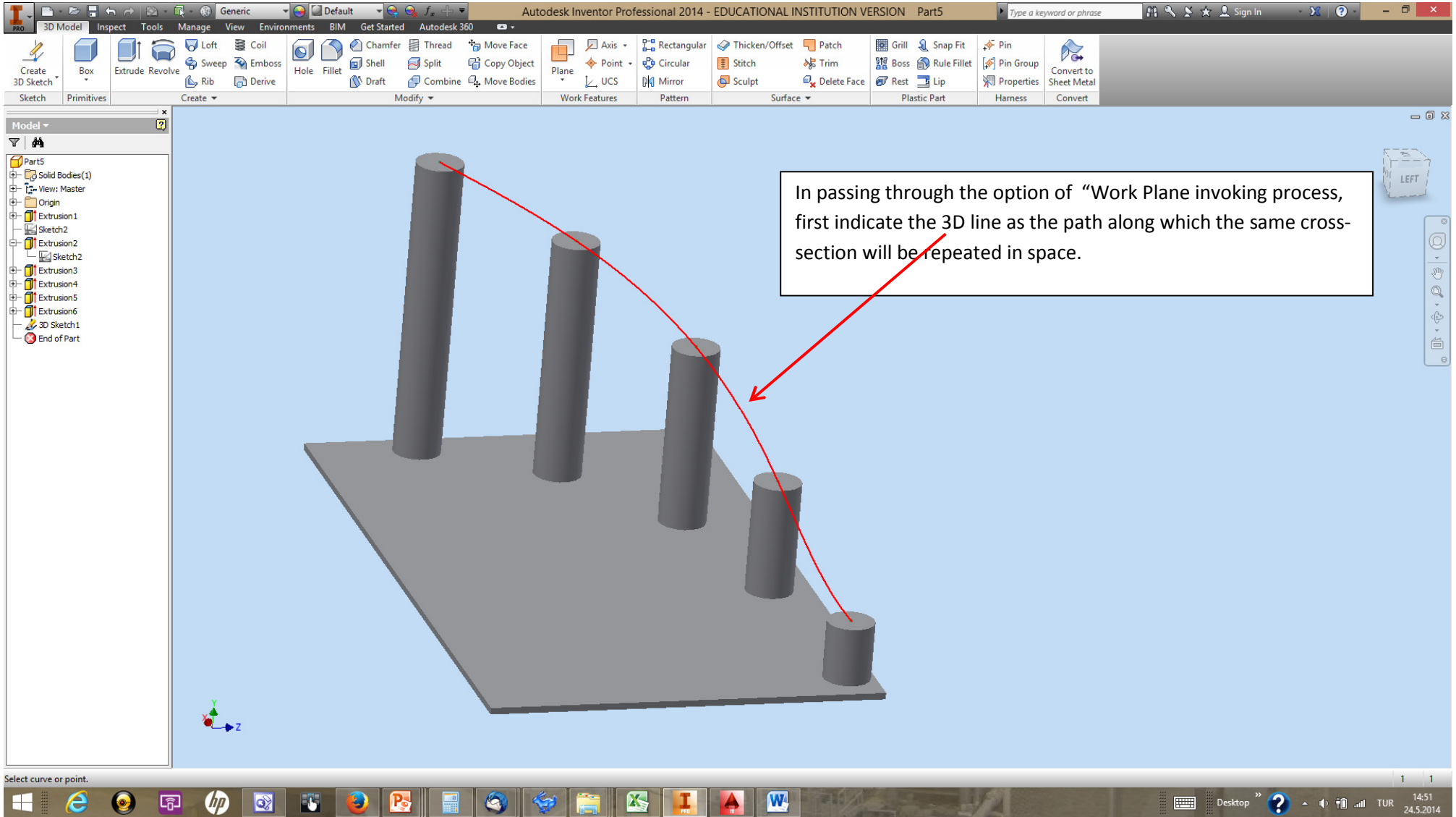


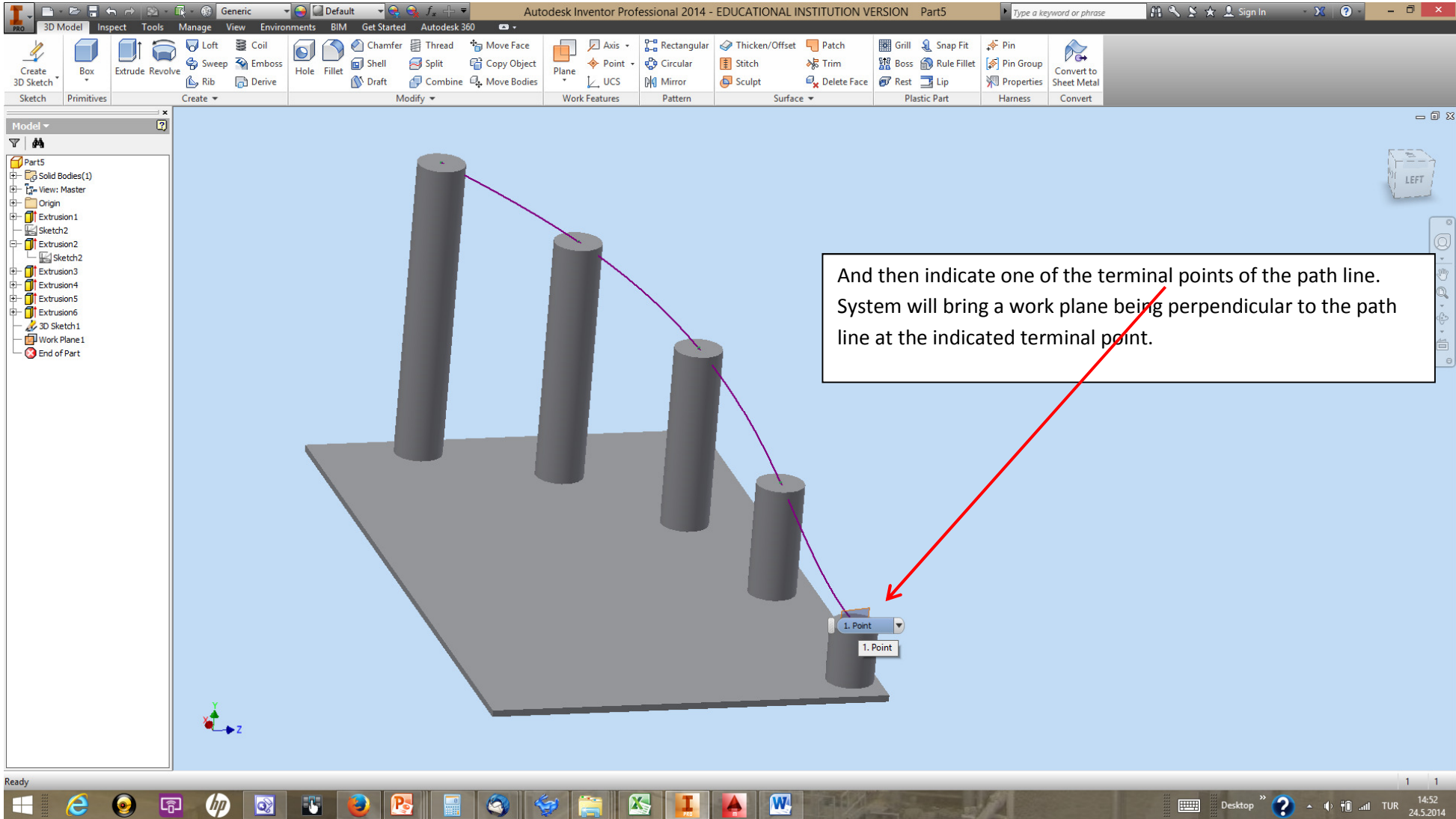


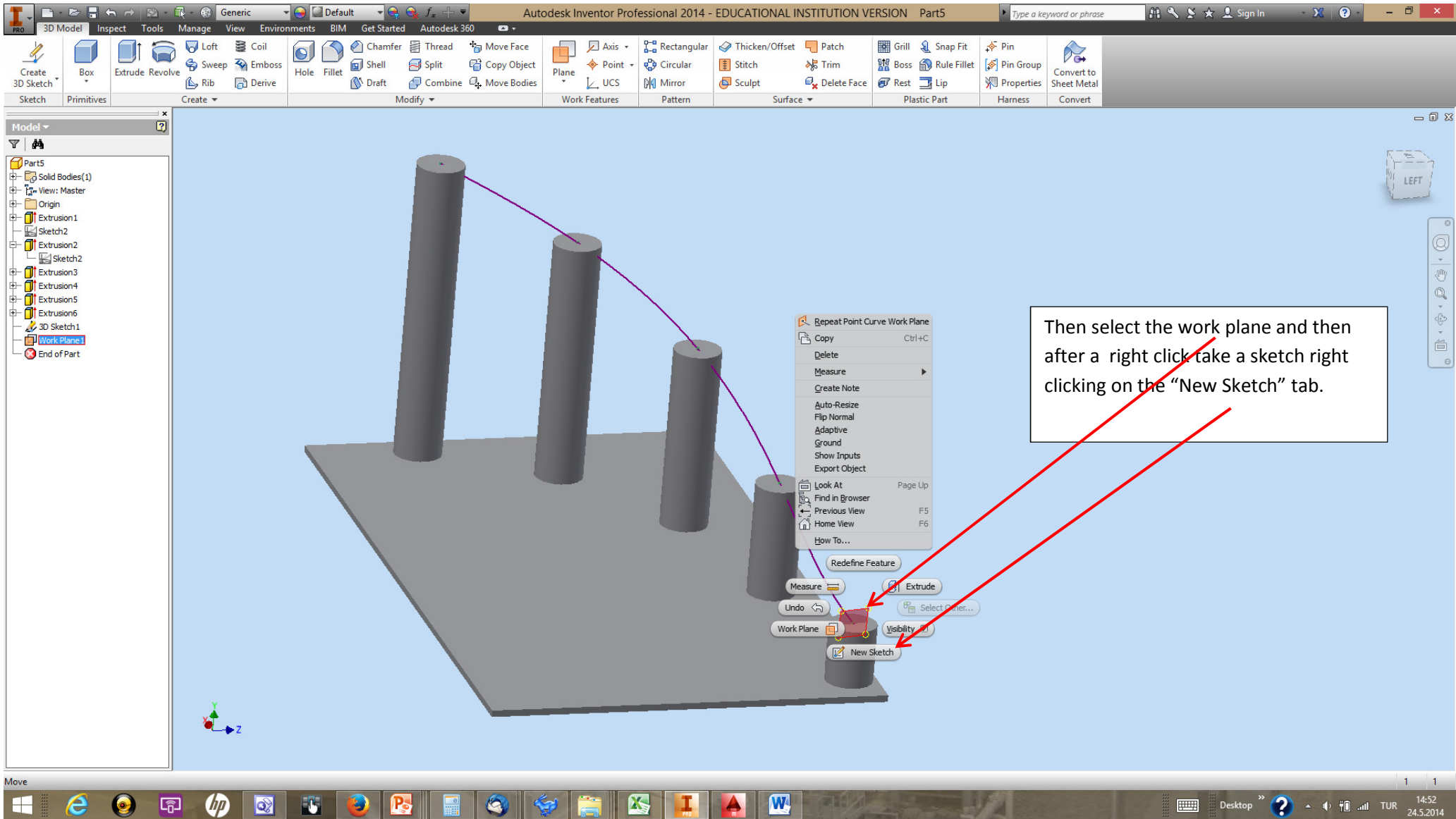
Then start spline process

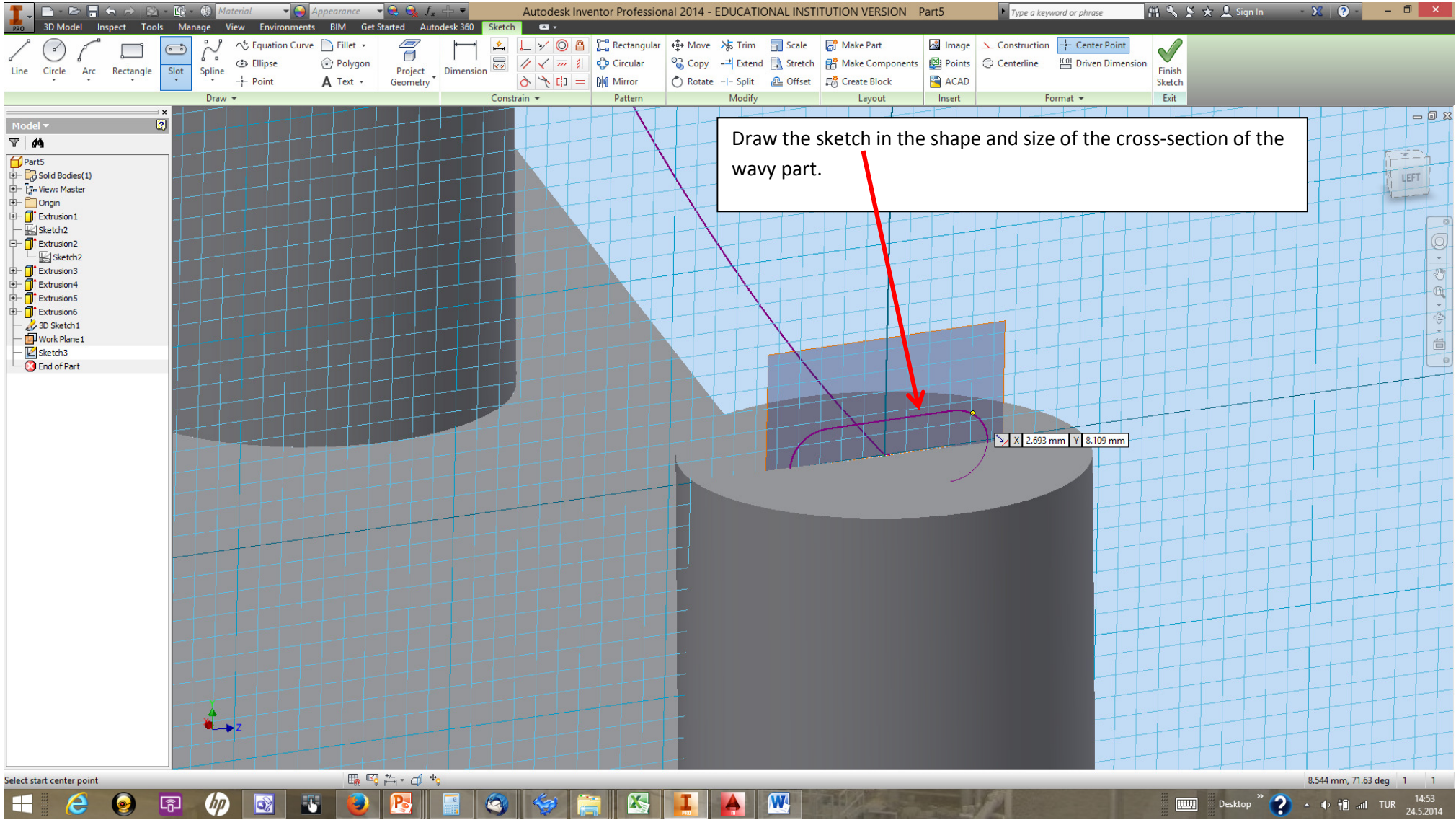


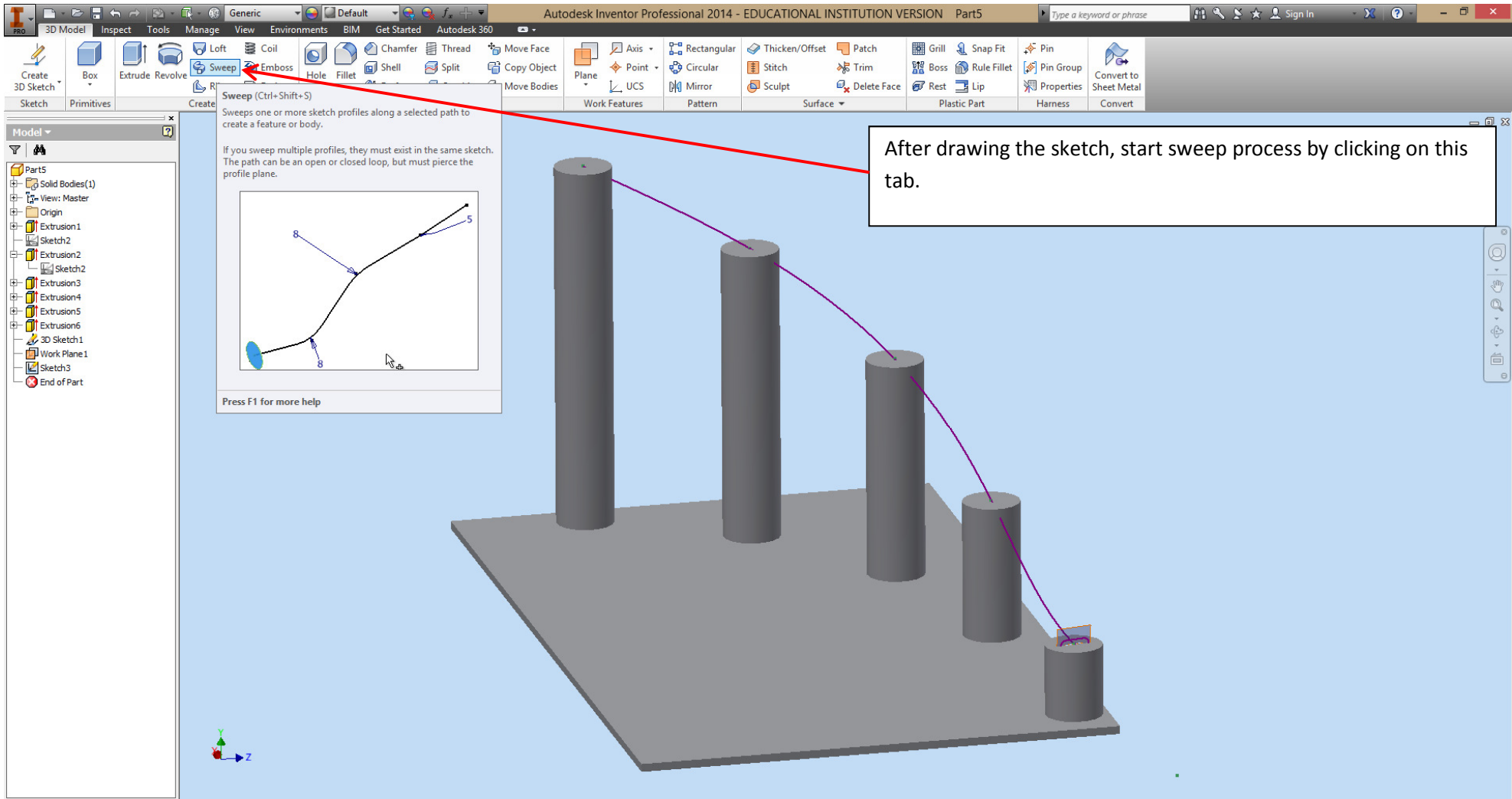












After drawing the sketch, start sweep process by clicking on this tab.

