

# **Sheet metal operations - Bending and related processes**

**R. Chandramouli**  
**Associate Dean-Research**  
**SASTRA University, Thanjavur-613 401**

## Table of Contents

<b>1.Quiz-Key.....</b>	<b>Error! Bookmark not defined.</b>
------------------------	-------------------------------------

## 1. Quiz - Key

1. What is bend allowance?

It is the length of the neutral axis of the sheet before or after bending.

2. Define springback.

After the removal of the bending tool, the sheet partially recovers its elastic strain. Due to this, the final angle of bend is lower than the angle before the removal of the tool. The difference in angle is called spring back.

3. What is hemming? What is its importance?

It is the bending of the edge of a sheet metal onto itself. Hemming increases the stiffness of the edge and avoids sharp edge.

4. Define minimum bend radius of a tube.

It is the lowest possible radius to which a tube can be bent before the tube wall thinning takes place.