*HEADING*

**Types of RNN:**

1.One to Many

Eg:Image

2.Many to One

Given Text

3.Many to Many

Google Translater

4.MAny to Many

Video Sub Title

**The vanishing Gradient Problem**:

Solution:

Exploding Gradient

Truncatical Back Propagation

Penalitics

Gradient Cliping

Weight Initilization

Echo State Networks

LSTMS