Scope of Future Work:

- ➤ To study the effect of interlayer on Corrosion and Wear Behaviour of Ti₂N,ZrN and ZrTiN with and without Ti/Zr interlayer
- ➤ Use of Multilayered Ti₂N and ZrN with varying modulation and Thickness.
- > To study the effect of substrate and improvement in practical efficiency by depositing these Thin Films on High speed tool steel or Cemented carbide cutting tools. (Conventional cutting tool)
- ➤ Use of sophisticated instruments like Selected Area Diffractometer (SAD) and Transmission electron microscopy (TEM) for wear particle analysis.
- ➤ Use of Glazing angle XRD to find Residual stresses and Texture within the coating.
- > Study of Biocompatibility of these coatings.