CHAPTER - 8

SCOPE FOR FUTURE WORK

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Based on the results established in the present research work the following points can be thought of for future work:

- The present experimentation gives the scope to find out the effect of depositing base metal as weld consumable even for different grades of steel in order to look in to the possibility of avoiding the special alloying elements.

- The present research has been carried out by testing micro hardness at different zones. However the depth of penetration and HAZ can be further studied by conducting other analysis like EDAX, Chemical analysis, Thermal analysis etc.

- The present research has used three different welding processes. Hence there is scope for testing by other welding processes like Plasma Arc Welding, Laser Beam Welding, Electron Beam Welding etc.

- The present research is found to be contribution of abrasive wear and adhesive wear. Even other wear studies for impact, corrosion etc can also be studied.

- Also a new alloy that can overcome failure due to concentration gradient can be developed to overcome failures of modern hardfacing alloys.