

3. AIM AND OBJECTIVES:

The main aim of this study was to evaluate the pattern of motion stereotype of the Bengali (Indian) population and to promote the application of motion stereotypic data in man-machine interface design.

The followings are the main objectives of the study:

1. To prepare a database on motion stereotypic responses of Bengali (Indian) population.
2. To form data base on colour stereotypic responses of Bengali (Indian) population
3. To study the impact of the rural-urban variation, adult-children variation and gender difference in motion stereotypic responses of the population.
4. To evaluate the impact of some factors like handedness, educational and socio-economic status
5. To study the impact of spatial (three dimensional) arrangement of controls on motion stereotypic responses.
6. To study the impact of work related cardiovascular stress, work related psychological stress and heat stress on motion stereotypic responses.
7. To apply the motion stereotype of the studied population for modification in the design of interface between gas burner and the users.