Selection of Subjects

Keeping in view the objectives of our study 50 subjects each from Inter-University and college level performance volleyball players of our country were selected.

Inter-University volleyball players; Were selected from;

- South zone women volleyball Inter-University held at Acharya Nagarjuna Univ., Guntur from 28 Oct - 31 Oct 2012
- All india inter zone volleyball held at BHU, Varanasi since 5 Nov - 10 Nov 2012.

Low performance volleyball players; Were selected from;


Reliability of Data

Reliability of data was ensured by establishing the reliability of anthropometrical instruments and tester’s competency.
**Instruments Reliability**

Anthropometrical kit was used for obtaining anthropometric measurements. Instruments were of standard quality; their accuracy was ensured by the manufacturer. International society for the advancements of Kinanthropometry (ISAK) approved techniques were used for obtaining anthropometrical data. The reliability was checked by test-retest method and average co-efficient was found to be 0.96.

**Statistical Procedure**

Reiterating the objective of the study we have to point out that we intend to investigate the anthropometrical differentials between Inter-University and college level women volleyball players. Thus, Z test is used to test the significance of difference between anthropometrical parameters of Inter-University and college level women volleyball players. Z test is based on normal probability distribution and is used for judging the significance of several statistical measures, particularly the mean. It is the most frequently used test in research and is generally used for judging the significance of difference between means of two independent samples, when sample size is more than 30 (C.R. Kothari, 1998).