INTRODUCTION
It is a fact that no two human bodies are exactly alike in physical characteristics. In the study of mankind Hippocrates classified the human physique into two fundamental types (Mathews, 1973). Kretschmer frequently referred to as the father of modern somatotyping, revived the Greek term Pyknic, implying a compact body; and Asthenic literally interpreted as without strength. He added a third component, the Athletic type, implying as contender for prize (Sheldon, 1954).

The three components of body build are type, size and composition. A system, developed by Sheldon (1940), uses the terms ectomorph, endomorph, or mesomorph to describe the body build of an individual. People with different body shapes, tend to be good at different sports. Most top level athletes will have a body shape which leans towards the mesomorph end of the scale as most sports require a good deal of strength. They will then have either ectomorphic or endomorphic features, depending on how lean they are and how weight affects their sport.

Somatotype is a taxonomy developed in the 1940s, by American psychologist William Herbert Sheldon (1954), to categories the human physique according to the relative contribution of three fundamental elements. Somatotypes, named after the three germ layers of embryonic development: the endoderm, (develops into the digestive tract), the mesoderm, (becomes muscle, heart and blood vessels), and the ectoderm (forms the skin and nervous system). His initial visual methodology has been discounted as subjective, but later formulaic variations of the methodology, developed by his original research assistant Barbara Heath, and later Lindsay Carter and Rob Rempel (2002) are still in academic use.

Success as an athlete comes from a combination of athletic ability and our body build. The Olympic athletes have comprehensively been studied by various scientists for their somatotyping. Physical education manifests interest in somatotyping on relating body type to success in various sports.

This is why “physiognomy” receives primary consideration at the time of selection of sportsmen in different games and sports (Clark, 1975). Appropriate quantification for these aspects of physique can lead to better understanding of the relationships between physique and performance. This knowledge helps the athletes who wish to achieve success in sports at a high level to compare their physique with those of the elite athletes and can consider whether further changes in physique such a lower body fat or increase muscle mass would help or hinder performance (Clark, 1975). In the modern days of competition, coaches are also making all out efforts to select person of particular physique and body composition suitable for various activities.

Hence the trend in the field of games, sports and physical education is to assess the related components as a part of the total body build and size of an athlete and also to interpret how these components those are helpful to performance in games and sports under competitive conditions (Johnson, 1984).

Body shape, muscle strength, the relative lengths of legs, heels and toes, as well as a fine-tuned nervous system to pull the whole thing together, are just some of the biological attributes that make a world-class runner. Sprinters are clearly differentiated from endurance athletes. Simply looking at the physiques one can note the remarkable muscle bulk of the prime movers especially. What we are seeing is a sport or selective hypertrophy in the major prime movers of the sprint athlete (Bompa et al., 2003). In contrast, the endurance athlete does not display such muscle hypertrophy. He or she tends to be lighter, less bulked and even drawn looking.

The body shape of male sprinters seems to have changed over the past decade or so. “Taller, more linear individuals are emerging as the better sprinters and we think it’s got something to do with increased stride length,” Nevill, (1992) said. Sprinters with longer legs have longer strides – an advantage in the middle stages of the race when they have reached their top speed, which they must maintain until the finish line.
MEASURING SOMATOTYPE
Somatotype is most commonly measured using the Heath-Carter measurement system (2002), in which ratings for endomorphy, mesomorphy and ectomorphy are calculated using various anthropometrical measurements. In each of the three categories someone is generally classified on a scale from 1 to 7 (though higher ratings are possible), though one cannot score highly on all three. The three numbers together give a somatotype number, with the endomorphy score first, then mesomorphy and finally ectomorphy. The investigator utilized Heath-Carter measurement system.

Endomorphy component of Somatotype was calculated from the sum of sub scapular, triceps and super iliac skin folds using Heath-Carter (2002) anthropometric rating scale.

Mesomorphy component was calculated using Heath-Carter (2002) anthropometric rating scale from humorous breadth, femur breadth, calf circumference and calf circumference in relation to height.

Ectomorphy component was obtained from Heath-Carter (2002) anthropometric rating scale using Ponderal Index. Ponderal index was calculated dividing height by cube root weight.

The collected data were tested for significance using t-ratio.

RESULTS
The descriptive statistics of Sprinters on endomorph, mesomorph and ectomorph components are resented in table 1.

**TABLE 1**
THE DESCRIPTIVE STATISTICS OF SPринTERS ON ENDOMORPH, MESOMORPH AND ECTOMORPH COMPONENTS

<table>
<thead>
<tr>
<th>Component</th>
<th>Mean</th>
<th>Standard Deviation</th>
<th>t-ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>Endomorph</td>
<td>3.43</td>
<td>0.40</td>
<td></td>
</tr>
<tr>
<td>Mesomorph</td>
<td>5.57</td>
<td>0.63</td>
<td>15.29*</td>
</tr>
<tr>
<td>Ectomorph</td>
<td>4.13</td>
<td>1.0</td>
<td>5.65*</td>
</tr>
</tbody>
</table>

Significant at 0.05 levels (table value 2.05, df, 29)

The obtained t-value between endomorphic and mesomorphic component was higher (15.29) than the tabulated value. Hence there was significant difference between endomorphic and mesomorphic component. The obtained t-value between endomorphic and ectomorphic component was higher (5.65) than tabulated value. Hence there was significant difference between ectomorphic and mesomorphic component.

DISCUSSION
The obtained scores and the t-test on Sprinters in endomorphic, mesomorphic and ectomorphic components indicated Sprinters were predominantly mesomorphic in nature. The Sprinters are predominantly muscular; the bones are large and covered with thick muscles and heavily muscled throughout.

CONCLUSION
Sprinters were predominantly mesomorphic in nature. Mesomorphy is characterized by a square body with covered hard, rugged, and prominent musculature. The bones are large and covered with thick muscles. Legs, trunks, and arms are usually massive in bone and heavily muscled throughout (Mathew, 1973) Hence it is recommended to select such type players for sprinting event.