

England's imperialism. Wherever they went, the game went with them and thus spread outside England. The first official match was held between Canada and United States was held in the year 1844.

Test matches, as they are known today, are believed to have begun between England and Australia in 1876. A test match consists of a series of cricket matches over the span of five days. If, at the end of the five days, there is no winner, the test match is declared a draw. Not all countries are eligible for Test matches. Currently the only countries with Test status are Australia, England, South Africa, New Zealand, Pakistan, Bangladesh, India, the West Indies and Sri Lanka. Zimbabwe's Test status is currently suspended because its team became uncompetitive.

In the present times, cricket has its own following of loyal fans. The International Cricket Council, better known as the ICC is the governing body in world cricket. The ICC was founded on the 15th of June in the year 1909. All laws relating to ODI and Test Cricket are framed and implemented by the ICC. Given the rich cricket history, it is no surprise that these days; cricket is the second most popular sport in the world, coming in behind soccer. It is played in more than 100 countries worldwide.

The main objective of doing this scenario is to understand the ways in which data can be processed and the applications that support organizations also to evaluate the capacity of an information system to satisfy the needs of the user.

My major objective in this project is to:

1. Identify information needs within different functional areas of an organization.
2. Compare a range of information systems.
3. Examine the tools available to organizations for information processing.
4. Evaluate the information systems within an organization.

1. Organization Structure

Organizational structure provides the guidelines for the system of reporting that drives an organization, dividing it into areas or departments that are responsible for certain aspects of the organization's purpose; it shows the relationships between areas and individuals needed to achieve more efficient operations while attaining the goals of the organization.

In order to allow customers or buyers to access sites, browse catalogs, and place orders; or to allow employees to administer the site, including updating the catalog, creating new promotions, or managing orders; or to allow resellers or other business partners to complete transactions on sites, all actors in a business scenario must have an organization structure.

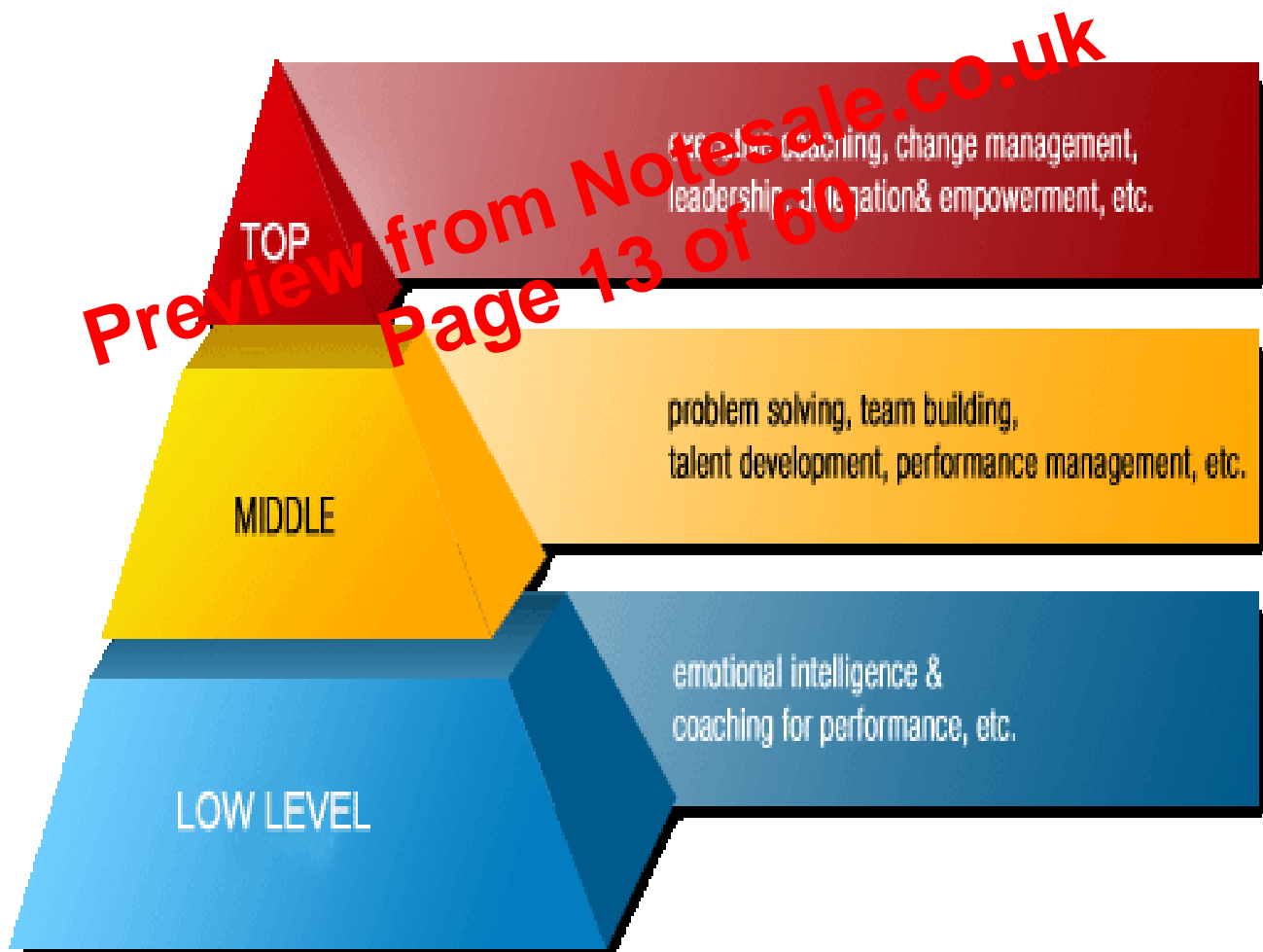


Figure 1.1 - Pyramidal Structure

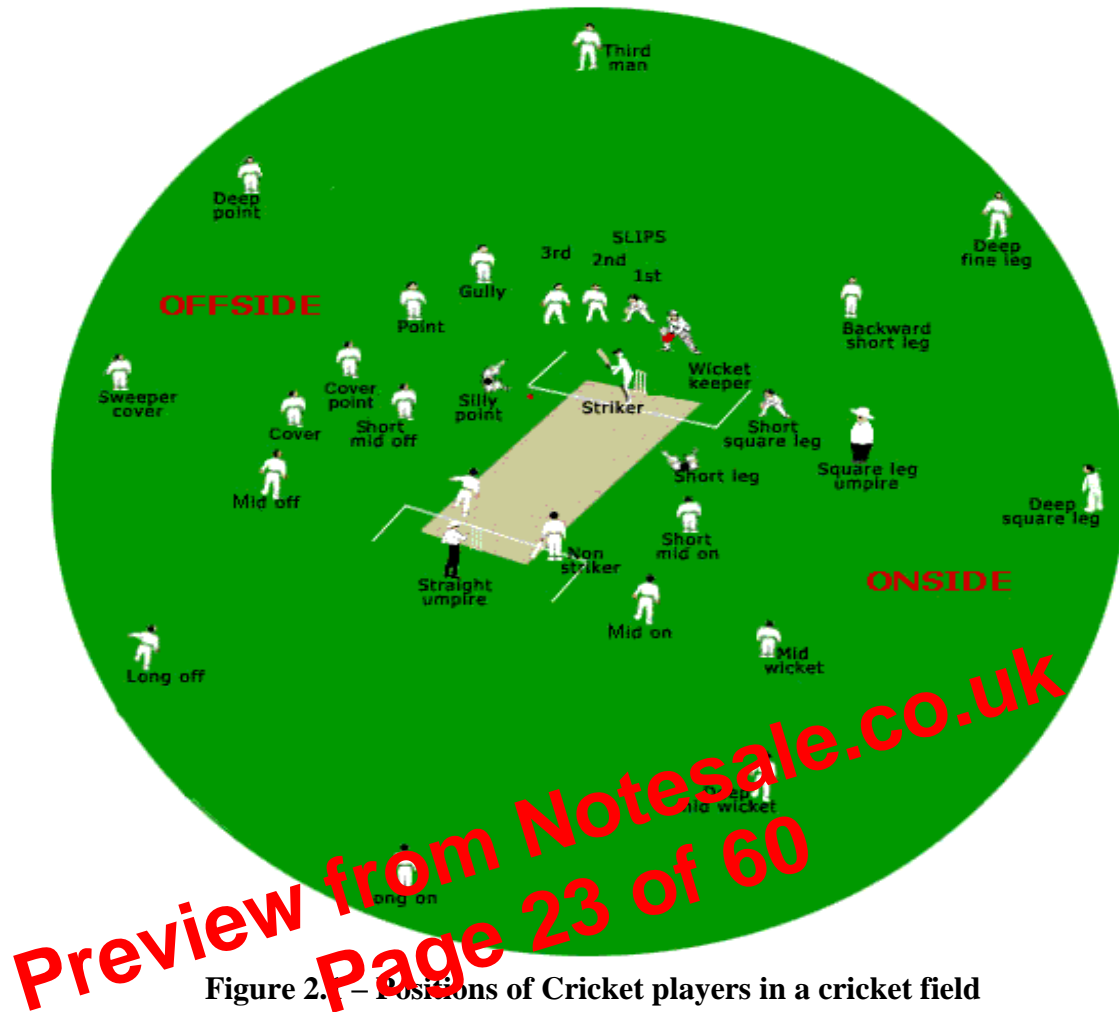


Figure 2. – Positions of Cricket players in a cricket field

In Sri Lanka, there are 3 places where cricket matches are held, the stadium details are mentioned below:

- R. Premadasa Stadium, Colombo
Capacity: 35,000
- Muttiah Muralitharan
International Cricket Stadium, Kandy
Capacity: 35,000
- Mahinda Rajapaksa
International Stadium, Hambantota
Capacity: 37,000

3. Information Needs

Information need is an individual or group's desire to locate and obtain information to satisfy a conscious or unconscious need. The objectives of information needs are to: get an explanation of the observed phenomena of information use or expressed need, to see to the prediction of instances of information uses also to control and thereby get an improvement of the utilization of information manipulation of essentials conditions.

➤ **Department Needs**

- Human Resources – Details of cricket players
- Finance and Accounts – Transactions occurred
- Production or Operations – Monitoring costs
- Stock Control – Stock item details
- Administration and IT – Clerical work

➤ **Player's Qualification Needs**

The starting point would be to acquire a reasonable working knowledge of the rules of Cricket. In cricket, qualification is not required but talent in the field is required. A cricket player needs to have an idea to play cricket, to a high standard, very high and it will be much helpful if the cricketer has background qualifications like: GCSE, PE and Advanced level or maybe to have a degree in sports science, but it is mainly about playing the sport not the brains behind it.

- **ICC Cricket World Cup 2011 Sri Lankan Squad**



Full Name: Kumar Chokshanada Sangakkara

Born: October 27, 1977

Playing Role: Wicketkeeper batsman

Batting Style: Left-handed batsman

Bowling Style: Right-arm off break



Full Name: Denagamage Prabodh Mahela de Silva

Jayawardene

Born: May 27, 1971

Playing Role: Batsman

Batting Style: Right-handed batsman

Bowling Style: Right-arm medium



Full Name: Tillakaratne Mudiyanseelage Dilshan

Born: October 14, 1976

Playing Role: All-rounder

Batting Style: Right-handed batsman

Bowling Style: Right-arm off break

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Full Name: Congenige Randhi Dilhara Fernando

Born: July 19, 1979

Playing Role: Bowler

Batting Style: Right-handed batsman

Bowling Style: Right-arm fast-medium



Full Name: Herath Mudiyansega Ranganatha Keerthi Bandara Herath

Born: March 19, 1978

Batting Style: Left-handed batsman

Bowling Style: Slow left-arm orthodox



Full Name: Chamara Kantha Kapugedera

Born: February 24, 1987

Playing Role: Batsman

Batting Style: Right-handed batsman

Bowling Style: Right-arm medium

➤ **Transaction Processing Systems**

Transaction processing systems (TPS) are information systems that process data resulting from the occurrence of business transactions. This system is a computer-based group of logical operations. In order for transaction processing to work, all the operations must succeed or fail as a group. This system processes predefined transactions, one at a time, with direct, on-site entry of the transactions into a terminal, and which produces predefined outputs and maintains the necessary data base.

Transaction processing systems have been available since the 1970s, and nearly all businesses use them. The advent of the Internet has seen a boom in transaction processing systems and software. Over the years, the cost of buying and implementing the necessary software has dropped so much that most businesses can apply it profitably. In the cricket scenario, the selection committee can use these systems to book tickets on-line.

➤ **Management Information Systems**

The Management Information Systems abbreviated as MIS, combines a strong business curriculum with the experience and technical skills needed to compete in today's information-based society. Everyone who works in business, from someone who pays the bills to the person who hires and fires, uses information systems.

MISs have existed since the 1960s, when mainframe computers began making significant inroads in automating information-based activities at large corporations. Although management information systems vary considerably in scope and function, they are all software applications used to support basic business management activities, such as reporting, planning, and controlling. In short, it is a computer system designed to help managers plan and direct business and organizational operations.

5. Current Trends in Using Business Applications

Hawk-eye is the name of a computer system which traces a ball's trajectory, with a claimed accuracy of 5 mm, and sends it to a virtual-reality machine; this system was launched in 2001. Other than the system that was mentioned in task 3 (Decision review system), Hawk-Eye Cricket System is considered to be the most advanced cricket software that has developed strong relationships with the coaching staff of all the major cricket nations, with the likes of England, Australia, South Africa, and India during the last six years.

It is designed to provide an extensive range of statistics for teams, clubs, associations, statisticians and individuals. Initially, the technology's major use was in adjudicating LBW decisions. Through continual interaction with the finest minds in World Cricket Hawk-Eye has been able to refine its technology, producing a system that stands alone as being the most complete cricket coaching system available on the market today. The Sri Lankan cricket board uses "Hawk-Eye Cricket System" as its system software and "Microsoft Office" as its application software.

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How it works:

It uses six or more computer-linked television cameras situated around the cricket field of play. The computer reads in the video in real time, and tracks the path of the cricket ball on each camera. These six separate views are then combined together to produce an accurate 3D representation of the path of the ball.

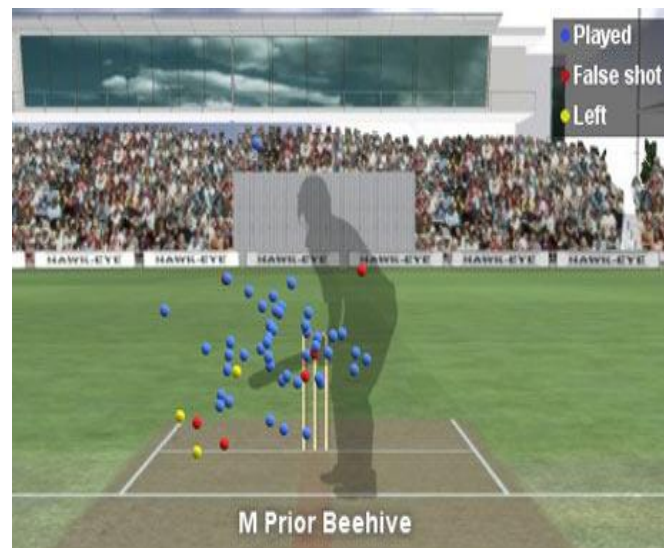


Figure 5.1 – Hawk Eye Cricket System

6. What are the consequences of using the ICC-Cricket World Cup Names, ICC Cricket World Cup Marks or ICC-Cricket World Cup Footage without the ICC's authorization?

Unauthorized use of the ICC-Cricket World Cup IPR may infringe one or more of the intellectual property rights of the ICC, the terms of the agreements signed between the ICC and sponsors and partners and/or the terms and conditions under which ICC-Cricket World Cup tickets are sold and stadium entry is permitted. While the ICC expects full compliance, it is prepared to take all legal and punitive action in the case of each and any infringement and violation. This could include an injunction to stop the infringing activity, a suit for damages or compensation or an enforced accounting of profits by the infringer to the ICC.

7. What are some specific examples of impermissible unlicensed behavior?

It is evident that many people are eager to use the ICC-Cricket World Cup IPR to boost their business activities by marketing their products in connection with the ICC-Cricket World Cup. The ICC is already aware of businesses seeking to gain an unauthorized association with the ICC Cricket World Cup and have taken successful action to fully address these unauthorized activities. For the sake of guidance, a non-exhaustive list of impermissible commercial behavior is given below:

- Advertisements, promotions and events:

Advertisement features stating or suggesting an association between a brand, product, and service or event and the ICC-Cricket World Cup by using ICC-Cricket World Cup Names, ICC-Cricket World Cup Marks and ICC-Cricket World Cup Footage are impermissible. Similarly, businesses that produce newsletters to customers or clients and that invite customers to ICC-Cricket World Cup themed events. Holding an event which is only about the ICC-Cricket World Cup and uses the ICC-Cricket World Cup Names, ICC-Cricket World Cup Marks and ICC-Cricket World Cup Footage is not permissible. This is particularly true of events that have commercial sponsors involved.

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