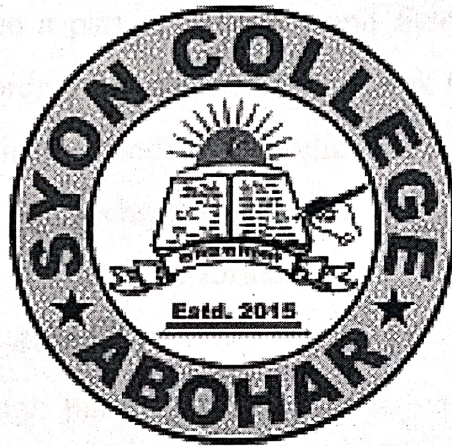


Project Work Report

Subject: Physical Education

Topic: Athletics: High Jump



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Project Report on High Jump

Introduction

Athletics is a collection of sporting events that involve competitive running, jumping, throwing, and walking. Among these events, the high jump stands out as a unique blend of technique, agility, and physical prowess. This report delves into the high jump, exploring its history, techniques, rules, and the training regimen required for excelling in this event.

History of High Jump

The high jump has been a part of the track and field athletics program since ancient times, with records of its practice dating back to the ancient Greeks and Celts. It was included in the modern Olympic Games from their inception in 1896. Over the years, the techniques used in the high jump have evolved significantly, leading to increased performance and records.

Techniques in High Jump

The evolution of the high jump technique can be categorized into four main styles:

1. **Scissors Style:** This was one of the earliest techniques, where the jumper would run straight at the bar and scissor their legs over it.
2. **Eastern Cut-off:** A modification of the scissors style, this technique involved a more pronounced leg and body movement.
3. **Western Roll:** Introduced in the early 20th century, this technique involved rolling over the bar with the back facing the bar.
4. **Fosbury Flop:** Revolutionized by Dick Fosbury during the 1968 Olympics, this technique involves approaching the bar on a curved run, then arching the back to go over the bar head-first and landing on the shoulders and back.

The Fosbury Flop is the most widely used technique today, as it allows jumpers to clear higher heights more efficiently.

Rules and Equipment

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The high jump event follows specific rules set by World Athletics:

1. Approach Run: The jumper can take off from one foot only.
2. Bar Clearance: The bar must be cleared without knocking it off the supports.
3. Attempts: Jumpers are allowed three attempts to clear each height. The bar is raised progressively.
4. Disqualification: Failure to clear the height in three consecutive attempts results in elimination.

Equipment used in the high jump includes the bar, standards (uprights), and landing area (mats). The surface of the take-off area should be flat and non-slippery.

Training for High Jump

Training for the high jump requires a combination of physical conditioning, technical drills, and mental preparation. Key aspects of training include:

1. Strength Training: Focusing on building strength in the legs, core, and upper body to enhance take-off power and stability.
2. Plyometrics: Exercises that improve explosive power and agility, such as box jumps and bounding.
3. Technique Drills: Practicing the approach run, take-off, and bar clearance using various drills to perfect the Fosbury Flop technique.
4. Flexibility: Stretching routines to enhance flexibility and reduce the risk of injury.
5. Mental Training: Visualization techniques and mental rehearsals to build confidence and focus.

Notable High Jumpers

Several high jumpers have left their mark in the history of athletics, including:

1. Javier Sotomayor: The Cuban athlete holds the world record for the men's high jump with a height of 2.45 meters, set in 1993.

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2. Stefka Kostadinova: The Bulgarian jumper holds the women's world record with a height of 2.09 meters, set in 1987.
3. Dick Fosbury: Known for inventing the Fosbury Flop, which transformed the high jump technique.

Conclusion

The high jump is a dynamic and challenging event that combines athleticism, technique, and mental fortitude. From its historical roots to modern-day competitions, the high jump continues to captivate audiences and inspire athletes. Through rigorous training and the mastery of technique, high jumpers strive to reach new heights, pushing the boundaries of human potential.

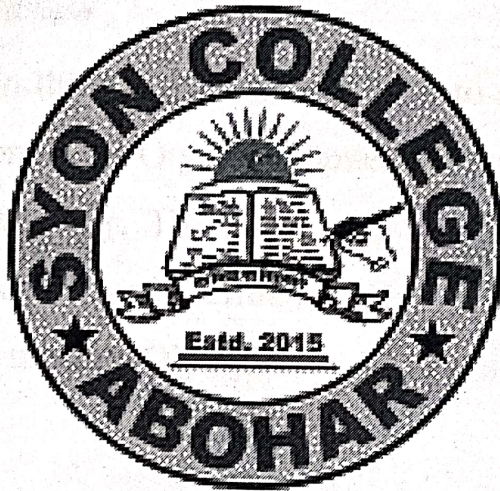
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Project Work Report

Subject: Physical Education

Topic: Athletics: Javelin Throw



Submitted by:

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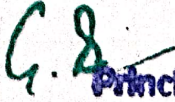
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Project Report on Javelin Throw

Introduction

The javelin throw is a track and field event that involves throwing a spear-like implement, called a javelin, as far as possible. This event requires a combination of strength, speed, and technique to achieve maximum distance. Originating from ancient times when spears were used for hunting and warfare, the javelin throw has evolved into a competitive sport with standardized rules and equipment.

History of Javelin Throw

The origins of the javelin throw can be traced back to ancient Greece, where it was part of the pentathlon in the Olympic Games. Ancient athletes threw spears both for distance and accuracy. The event was also popular in other ancient cultures, including the Nordic and Germanic tribes. The modern javelin throw was included in the first modern Olympic Games in 1896 for men and in 1932 for women.

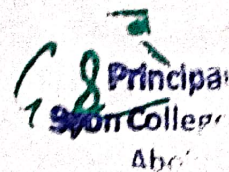
Equipment

The javelin used in competition is a spear about 2.5 meters (8 feet 2 inches) in length for men and 2.2 meters (7 feet 3 inches) for women, made of metal or composite materials. It must weigh at least 800 grams (1.76 pounds) for men and 600 grams (1.32 pounds) for women. The javelin has three main parts: the head, the shaft, and the grip. The head is pointed to help the javelin penetrate the ground, the shaft is the main body of the javelin, and the grip is a corded area where the thrower holds the javelin.

Technique

The javelin throw technique can be divided into several phases:

1. Approach Run: The athlete runs down a runway to build up speed. The run-up is typically about 30-36 meters long.



2. **Transition:** The athlete transitions from the approach run to the throwing motion by turning the body sideways to the direction of the throw.
3. **Throwing Phase:** The athlete accelerates the javelin with a whip-like motion of the arm, releasing it at the optimal angle of about 30-36 degrees.
4. **Follow-Through:** The thrower must ensure they do not cross the foul line after releasing the javelin to avoid a foul throw. The follow-through involves the athlete continuing their forward momentum in a controlled manner.

Rules and Regulations

Several key rules govern the javelin throw event:

1. The javelin must be held at the grip and thrown overhand.
2. The thrower must not cross the foul line at the end of the runway.
3. The javelin must land tip-first within a designated sector, marked by lines at an angle of 28.96 degrees.
4. A valid throw is measured from the point where the javelin first makes contact with the ground to the foul line.

Training and Conditioning

Successful javelin throwers require a combination of strength, speed, flexibility, and technique. Training regimens often include:

1. **Strength Training:** Exercises focusing on the shoulders, arms, core, and legs to develop the power needed for the throw.
2. **Plyometrics:** Drills that improve explosive power and speed.
3. **Technique Drills:** Practice throws and drills that focus on the approach run, transition, and release phases.
4. **Flexibility Training:** Stretching exercises to maintain the range of motion necessary for the throwing motion.

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Notable Athletes

Several athletes have excelled in the javelin throw, setting world records and winning Olympic medals. Notable male athletes include Jan Železný of the Czech Republic, who holds the men's world record with a throw of 98.48 meters, and Uwe Hohn of Germany, the only person to throw a javelin over 100 meters with the old javelin design. For women, Barbora Špotáková of the Czech Republic holds the world record with a throw of 72.28 meters.

Conclusion

The javelin throw is a dynamic and exciting track and field event that combines athleticism, skill, and strategy. Its rich history and the physical and technical demands of the sport make it a fascinating event for both participants and spectators. With proper training, conditioning, and technique, athletes can achieve remarkable distances, pushing the boundaries of human performance.

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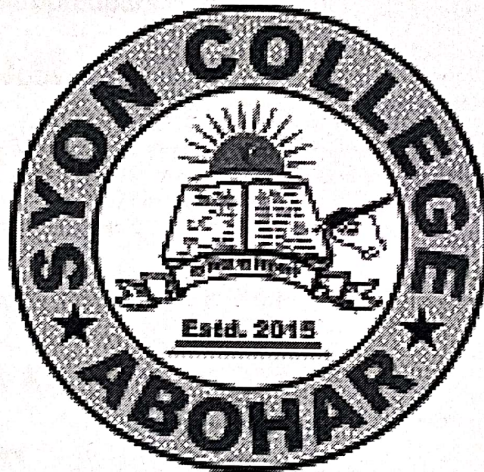
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Project Work Report

Subject: Entrepreneurship and Small Business

**Topic: Understanding the Life of Celebrated
and Unsung Entrepreneurs**



Submitted by: CHIRAG DUA

Class: B.Com 5th Semester

Roll Number: 201

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Session: 2022-23



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1. Introduction

Entrepreneurship is a key driver of economic growth, innovation, and employment. While celebrated entrepreneurs like Steve Jobs and Oprah Winfrey are household names, countless unsung entrepreneurs contribute significantly to the economy without widespread recognition. This project aims to understand the life, challenges, and achievements of both celebrated and unsung entrepreneurs.

2. Objectives of the Study

- To explore the journey of celebrated and unsung entrepreneurs.
- To identify the key factors contributing to their success.
- To understand the challenges faced by entrepreneurs.
- To draw comparisons and contrasts between celebrated and unsung entrepreneurs.

3. Research Methodology

This study utilizes a qualitative research approach, including case studies, interviews, and secondary data analysis. Case studies of four entrepreneurs (two celebrated and two unsung) are analyzed to gain insights into their entrepreneurial journey.

4. Literature Review

Celebrated Entrepreneurs

Celebrated entrepreneurs are those who have gained significant recognition and have made notable contributions to their industry. They often serve as inspirations and role models for aspiring entrepreneurs.

Unsung Entrepreneurs

Unsung entrepreneurs, while not as widely recognized, play crucial roles in their industries and communities. Their stories often highlight resilience, innovation, and perseverance in the face of adversity.

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5. Case Studies

Celebrated Entrepreneurs

Steve Jobs

Steve Jobs, co-founder of Apple Inc., revolutionized the technology industry with innovative products such as the iPhone, iPad, and Mac. His vision and leadership transformed Apple into one of the world's most valuable companies. Jobs' story is one of relentless pursuit of excellence and innovation.

Oprah Winfrey

Oprah Winfrey, a media mogul, and philanthropist, rose from humble beginnings to become one of the most influential women in the world. Through her talk show, production company, and charitable work, Oprah has left an indelible mark on the media industry and beyond.

Unsung Entrepreneurs

Kalpana Saroj

Kalpana Saroj, often referred to as the 'original slumdog millionaire,' is a Dalit entrepreneur who overcame extreme poverty and social discrimination to build a successful business empire. She is the chairperson of Kamani Tubes and an advocate for social and economic empowerment.

Kailash Katkar

Kailash Katkar, the founder of Quick Heal Technologies, started his journey from a humble background as a radio and calculator repair technician. He built Quick Heal into a leading cyber security company in India, showcasing innovation and resilience.

6. Analysis and Findings

The analysis reveals that both celebrated and unsung entrepreneurs share common traits such as perseverance, innovation, and a strong vision. However, unsung entrepreneurs often face additional challenges such as lack of recognition, limited resources, and social barriers.

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7. Challenges Faced by Entrepreneurs

Entrepreneurs, regardless of their recognition status, face numerous challenges including:

- Financial constraints
- Market competition
- Regulatory hurdles
- Socio-cultural barriers
- Technological advancements

8. Conclusion

The lives of celebrated and unsung entrepreneurs offer valuable lessons in resilience, innovation, and leadership. While celebrated entrepreneurs inspire through their global impact, unsung entrepreneurs provide equally important contributions at a grassroots level. Understanding their journeys can inspire and guide future entrepreneurs.

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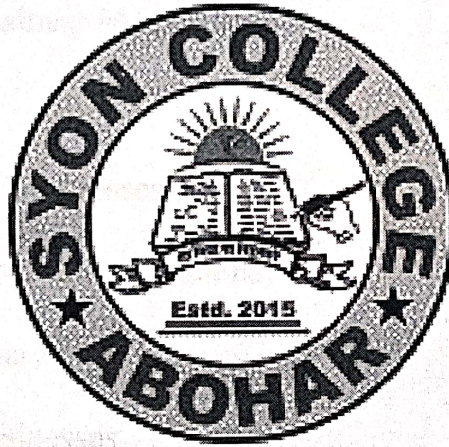
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Project Work Report

Subject: Entrepreneurship and Small Business

Topic: Study of Indian Model of Businesses



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- Dabbawalas of Mumbai
- Kirana Stores

○ Modern Businesses

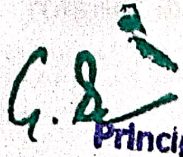
- Reliance Industries
- Flipkart

6. Analysis and Findings

7. Challenges Faced by Indian Businesses

8. Conclusion

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1. Introduction

The Indian business landscape is a rich tapestry of traditional and modern enterprises. From the age-old Dabbawalas of Mumbai to contemporary giants like Reliance Industries and Flipkart, India's business models are as diverse as its culture. This project aims to explore the unique characteristics, strengths, and challenges of Indian business models.

2. Objectives of the Study

- To explore traditional and modern business models in India.
- To understand the key factors contributing to their success.
- To identify the challenges faced by Indian businesses.
- To analyze the impact of these business models on the Indian economy.

3. Research Methodology

This study utilizes a qualitative research approach, including case studies, interviews, and secondary data analysis. Case studies of four businesses (two traditional and two modern) are analyzed to gain insights into their operational models and success factors.

4. Literature Review

Traditional Business Models in India

Traditional business models in India, such as the Dabbawalas and Kirana stores, have been integral to the economy for decades. These businesses rely on localized knowledge, personalized customer service, and robust informal networks.

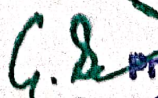
Modern Business Models in India

Modern business models, exemplified by companies like Reliance Industries and Flipkart, leverage technology, innovation, and scalability. These businesses have disrupted traditional markets and created new economic opportunities.

5. Case Studies

Traditional Businesses

Dabbawalas of Mumbai


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The Dabbawalas of Mumbai represent a century-old food delivery system that operates with remarkable precision. Their business model relies on a simple yet effective coding system, low operational costs, and a high degree of employee commitment.

Kirana Stores

Kirana stores, or neighborhood grocery shops, are ubiquitous in India. They thrive on personalized service, credit facilities for regular customers, and deep local market knowledge. Despite the rise of modern retail chains, Kirana stores remain resilient.

Modern Businesses

Reliance Industries

Reliance Industries, founded by Dhirubhai Ambani, is one of India's largest conglomerates. Its business model is characterized by vertical integration, diversification, and a relentless focus on scalability and innovation. The company's ventures span petrochemicals, telecommunications, retail, and more.

Flipkart

Flipkart, an e-commerce giant founded in 2007, revolutionized online retail in India. Its business model includes a strong emphasis on technology, customer service, and supply chain management. Flipkart's success paved the way for the growth of the Indian e-commerce sector.

6. Analysis and Findings

The analysis reveals that traditional and modern Indian business models, while differing in their approaches, share common traits such as customer-centricity, adaptability, and a strong work ethic. Traditional businesses excel in personalized service and local market knowledge, while modern businesses leverage technology and scalability.

7. Challenges Faced by Indian Businesses

Indian businesses, whether traditional or modern, face numerous challenges including:

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- Regulatory complexities
- Intense competition
- Infrastructure constraints
- Technological advancements
- Changing consumer preferences

8. Conclusion

The Indian model of businesses showcases a unique blend of tradition and modernity. Traditional businesses like the Dabbawalas and Kirana stores offer valuable lessons in efficiency and customer service, while modern enterprises like Reliance Industries and Flipkart highlight the importance of innovation and scalability. Understanding these models provides insights into the dynamic and evolving nature of the Indian economy.

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