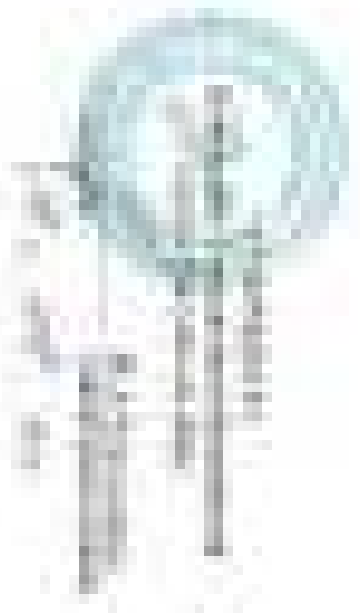


The following information is required to be submitted
 with the application for a license to practice as a
 professional engineer in the State of Texas.

NAME	DATE	REMARKS
1. NAME		
2. ADDRESS		
3. CITY		
4. STATE		
5. ZIP		
6. PHONE		
7. FAX		
8. E-MAIL		
9. EDUCATION		
10. EXPERIENCE		
11. REFERENCES		
12. SIGNATURE		
13. DATE		



The applicant must be a citizen of the United States or a resident alien who has been admitted to the United States as a permanent resident alien. The applicant must also be a graduate of an accredited college or university with a degree in engineering or a related field. The applicant must have at least four years of experience in the field of engineering or a related field. The applicant must also be a member of the Texas Society of Professional Engineers.

[illegible]

1. The following table shows the results of a survey of 100 people about their favourite sport.

Favourite Sport					
Sport	Male		Female		Total
	Number	Percentage	Number	Percentage	
Football	40	40%	30	30%	70
Cricket	20	20%	10	10%	30
Tennis	10	10%	20	20%	30
Swimming	5	5%	15	15%	20
Other	25	25%	25	25%	50
Total	100	100%	100	100%	200

2. The following table shows the results of a survey of 100 people about their favourite sport.

3. The following table shows the results of a survey of 100 people about their favourite sport.

4. The following table shows the results of a survey of 100 people about their favourite sport.

5. The following table shows the results of a survey of 100 people about their favourite sport.

6. The following table shows the results of a survey of 100 people about their favourite sport.

7. The following table shows the results of a survey of 100 people about their favourite sport.

8. The following table shows the results of a survey of 100 people about their favourite sport.

9. The following table shows the results of a survey of 100 people about their favourite sport.

10. The following table shows the results of a survey of 100 people about their favourite sport.

1. The first step in the process of creating a new product is to identify a market need. This involves conducting market research to understand the preferences and behaviors of potential customers. Once a need is identified, the next step is to develop a concept that addresses this need. This concept should be unique and offer a clear value proposition to the target market.

...the ...

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[illegible]

2

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100

[illegible]

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THEORY

The theory of the present experiment is based on the principle of conservation of energy. In a closed system, the total energy remains constant. The energy can be converted from one form to another, but it cannot be created or destroyed. In this experiment, we will study the conversion of potential energy into kinetic energy.

When an object is raised to a certain height, it gains potential energy. This energy is stored in the object. When the object is released, this potential energy is converted into kinetic energy, which is the energy of motion. The total energy of the system remains constant throughout the process.

The potential energy (PE) of an object of mass m at a height h is given by the formula:

$$PE = mgh$$

where g is the acceleration due to gravity.

The kinetic energy (KE) of an object of mass m moving with a velocity v is given by the formula:

$$KE = \frac{1}{2}mv^2$$

According to the principle of conservation of energy, the potential energy lost by the object as it falls is equal to the kinetic energy gained by the object.

In this experiment, we will use a pendulum to study the conversion of potential energy into kinetic energy. The pendulum consists of a small mass (bob) attached to a string that is fixed to a support. When the bob is raised to a certain height and released, it swings down and then back up.

At the highest point of its swing, the bob has maximum potential energy and zero kinetic energy. As it swings down, the potential energy is converted into kinetic energy. At the lowest point of its swing, the bob has maximum kinetic energy and zero potential energy. As it swings back up, the kinetic energy is converted back into potential energy.

By measuring the height of the bob at different points in its swing and its velocity at the lowest point, we can verify the principle of conservation of energy.

EXPERIMENTAL PROCEDURE

The experimental procedure involves the following steps:

1. Set up the pendulum apparatus.
2. Measure the mass of the bob.
3. Measure the length of the string.
4. Displace the bob to a certain height and release it.
5. Measure the height of the bob at different points in its swing.
6. Measure the velocity of the bob at the lowest point of its swing.
7. Calculate the potential and kinetic energy at different points.
8. Compare the results to verify the principle of conservation of energy.

1. Project Name: [Project Name] 2. Project Manager: [Project Manager Name] 3. Project Start Date: [Start Date] 4. Project End Date: [End Date] 5. Project Budget: [Budget Amount] 6. Project Status: [Status] 7. Project Description: [Description] 8. Project Objectives: [Objectives] 9. Project Deliverables: [Deliverables] 10. Project Risks: [Risks] 11. Project Stakeholders: [Stakeholders] 12. Project Communication Plan: [Communication Plan] 13. Project Change Management Plan: [Change Management Plan] 14. Project Quality Management Plan: [Quality Management Plan] 15. Project Risk Management Plan: [Risk Management Plan] 16. Project Resource Management Plan: [Resource Management Plan] 17. Project Time Management Plan: [Time Management Plan] 18. Project Cost Management Plan: [Cost Management Plan] 19. Project Procurement Management Plan: [Procurement Management Plan] 20. Project Stakeholder Management Plan: [Stakeholder Management Plan]	1. Project Name: [Project Name] 2. Project Manager: [Project Manager Name] 3. Project Start Date: [Start Date] 4. Project End Date: [End Date] 5. Project Budget: [Budget Amount] 6. Project Status: [Status] 7. Project Description: [Description] 8. Project Objectives: [Objectives] 9. Project Deliverables: [Deliverables] 10. Project Risks: [Risks] 11. Project Stakeholders: [Stakeholders] 12. Project Communication Plan: [Communication Plan] 13. Project Change Management Plan: [Change Management Plan] 14. Project Quality Management Plan: [Quality Management Plan] 15. Project Risk Management Plan: [Risk Management Plan] 16. Project Resource Management Plan: [Resource Management Plan] 17. Project Time Management Plan: [Time Management Plan] 18. Project Cost Management Plan: [Cost Management Plan] 19. Project Procurement Management Plan: [Procurement Management Plan] 20. Project Stakeholder Management Plan: [Stakeholder Management Plan]
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Name	Telephone Number	Address
Mr. John Doe	123 Main St, Springfield, IL 62761	123 Main St, Springfield, IL 62761
Mrs. Jane Smith	456 Oak Ave, Chicago, IL 60601	456 Oak Ave, Chicago, IL 60601
Mr. Robert Johnson	789 Elm St, Peoria, IL 61601	789 Elm St, Peoria, IL 61601
Ms. Susan Brown	101 Maple Dr, Rockford, IL 61101	101 Maple Dr, Rockford, IL 61101
Mr. David Wilson	202 Pine St, Joliet, IL 61701	202 Pine St, Joliet, IL 61701

1. The following is a list of names and addresses of people who live in the city of Springfield, Illinois.

2. The following is a list of names and addresses of people who live in the city of Chicago, Illinois.

3. The following is a list of names and addresses of people who live in the city of Peoria, Illinois.

4. The following is a list of names and addresses of people who live in the city of Rockford, Illinois.

5. The following is a list of names and addresses of people who live in the city of Joliet, Illinois.
