|  |  |  |
| --- | --- | --- |
| **Kingdom of Saudi Arabia**  **Ministry of Education**  **Saudi Electronic University** | A picture containing text, outdoor, sign  Description automatically generated | **المملكة العربية السعودية**  **وزارة التعليم**  **الجامعة السعودية الإلكترونية** |

**College of Administrative and Financial Sciences**

**Assignment 1**

**Management of Technology (MGT 325)**

**Due Date: 5th October 2025@ 23:59**

|  |  |
| --- | --- |
| Course Name:**Management of Technology** | Student’s Name: |
| Course Code: **MGT325** | Student’s ID Number: |
| Semester: 1st | CRN: 11652 |
| Academic Year:**2024-25** | |
|  | |

**For Instructor’s Use only**

|  |  |
| --- | --- |
| Instructor’s Name: Dr. Asif Hasan | |
| Students’ Grade: **00 /10** | Level of Marks: High/Middle/Low |

**Instructions – PLEASE READ THEM CAREFULLY**

* The Assignment must be submitted on Blackboard (**WORD format only**) via allocated folder.
* Assignments submitted through email will not be accepted.
* Students are advised to make their work clear and well presented, marks may be reduced for poor presentation. This includes filling your information on the cover page.
* Students must mention question number clearly in their answer.
* Late submission will NOT be accepted.
* Avoid plagiarism, the work should be in your own words, copying from students or other resources without proper referencing will result in ZERO marks. No exceptions.
* All answered must be typed using **Times New Roman (size 12, double-spaced)** font. No pictures containing text will be accepted and will be considered plagiarism).
* Submissions without this cover page will NOT be accepted.

**Course Learning Outcomes-Covered**

* Recognize the dynamics and the importance of managing technological innovation strategically. (LO 1)

**Reference Source:**

**Textbook:-**

*Schilling M.A (2020),****Strategic Management of Technology Innovation (6th Edition)****. Mc-Graw Hill Education. Electronic Version: ISBN-13: 978-1260087956 ISBN-10: 1260087956, Printed Version: ISBN-13: 978-1260087956 ISBN-10: 1260087956*

**Weight:** 10 Marks

***Students are required to refer to chapter 1, 2&3 of their textbook.***

***Clear understanding of the chapters along with continuous critical analyzation of each topic and subtopic is highly recommended.***

***Based on the knowledge and information gathered by referring to the textbook,students own thorough research and considering the current technological landscape and innovation strategy in the Kingdom of Saudi Arabia (KSA), answer the following questions. Each answer should include references to theories and concepts discussed in the textbook, as well as examples and insights related to KSA.***

***Total Marks: 10***

1. ***The Importance of Technological Innovation in KSA (3 marks) (400-500 words)***
   * *Define technological innovation and explain its significance in the modern competitive environment. Discuss how technological innovation is a key driver of Saudi Vision 2030. Use examples from sectors like renewable energy, healthcare, or education to illustrate how innovation is transforming industries in KSA.*
2. ***Sources of Innovation in KSA (3 marks) (400-500 words)***
   * *Chapter 2 outlines the sources of innovation. Discuss how individual creativity, corporate R&D, and government-funded research contribute to innovation within KSA. Provide examples of government initiatives, such as the King Abdulaziz City for Science and Technology (KACST), and the role of universities in driving innovation.*
3. ***Types and Patterns of Innovation in KSA (3 marks) (400-500 words)***
   * *Explain the different types of innovation (e.g., radical vs. incremental) and how they impact competitive advantage. How are Saudi companies adopting these innovations, particularly in the sectors of energy and technology? Discuss with reference to companies like Saudi Aramco or NEOM.*

***References (1 Mark)***

* Support your submission with course material concepts, principles, and theories from the textbook and at least two scholarly, peer-reviewed journal articles unless the assignment calls for more.
* Use proper citation formatting.

***Guidelines for Students:***

* ***Use appropriate references from the textbook and external sources, with a focus on examples from KSA.***
* ***Each answer should highlight KSA’s technological advancement, the role of government initiatives, and how innovation is being shaped in the context of Vision 2030.***
* ***Each question is worth 3 marks, with marks awarded for clarity, relevance, and use of examples specific to KSA.***

**Directions:**

* All students are encouraged to use their own words.
* The assignment should be approximately 1200-1500 words in length.
* Use Saudi Electronic University academic writing standards and APA style guidelines.
* Use proper referencing (APA style) to reference, other styles will not be accepted.
* Support your submission with course material concepts, principles, and theories from the textbook and at least two scholarly, peer-reviewed journal articles unless the assignment calls for more.
* It is strongly encouraged that you submit all assignments into the safe assignment Originality Check prior to submitting it to your instructor for grading and review the grading rubric to understand how you will be graded for this assignment.