ourdiu.com | Shared by SUPAN ROY

Course Code: CSE 326

Course Title: Social and Professional Issues in Computing

Class Test: 2 Section: 65_F

Total Marks: 15 Time: 1 Hr

Answer the following questions (3x5=15):

1. A software company discovers that its facial recognition system has a higher error rate when identifying people from certain ethnic groups. Management decides to release the software without fixing the issue because correcting it would delay the launch and reduce profits.
Using any two ethical theories, analyze whether the company's decision is ethically acceptable. Which ethical theory provides the strongest justification in this case? Explain your answer.

2. A software company develops an innovative mobile application for international commercialization. The application includes original source code, a novel data compression technique, a distinctive logo, and a confidential recommendation algorithm that provides a competitive advantage. Before the product is launched, another company illegally copies the source code and logo and releases a similar application in the market.
Analyze the scenario by identifying the appropriate Intellectual Property protection for each component, explaining the Intellectual Property infringements that have occurred, and recommending suitable legal, technical, or managerial measures the original company should adopt to protect its Intellectual Property.

3. A software company develops an innovative encryption technique and implements it in a commercial software application. A competitor independently develops software using the same encryption technique but writes its own source code.
Analyze which aspects of the original company's work can be protected by copyright and which can be protected by patent. Discuss whether the competitor has infringed any Intellectual Property rights.