



COMPUTER SCIENCE DEPARTMENT

Total Marks: 04

Obtained Marks: _____

Business and Technology Ethics

Assignment # 01

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→ Overreliance on Technology: dependence on AI may reduce human judgment and creativity especially in education & healthcare.
Solutions: Use AI to assist, not replace.

→ Privacy & Surveillance: AI collects personal data through facial recognition & smart devices, threatening privacy.
Solutions: Regulate data collection & acquire.

→ Job replacement: Automation replaces humans widening the economic gap b/w owner and worker
Solutions: Governments & companies should invest in retraining & skills development.

Conclusions: While AI & robotics revolution in healthcare, manufacturing & education their development & use ethics to ensure fairness, accountability & some safety.



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Artificial Intelligence and Robotics are rapidly transforming and revolutionizing by increasing efficiency, accuracy and accessibility in healthcare. A.I powered diagnostics systems and robotic surgery (e.g. Da Vinci Surgical System) assist doctors in performing complex procedures with precision and speed. In manufacturing, A.I based robotic arms such as used in Tesla's automated assembly lines enhance productivity and reduce human error. In education, A.I Tutors chatbots and personalized learning platforms help teachers and students needs and provide tailored support. However, this technological revolution also raises ethical concerns.