Expanding Information Technology: A curse or Blessing"

Outline

1- Introduction

Thesis statement:

Expansion in information technology
has revolutionized the modern world
through its significant advantages in
communication, education, health and
economic sector; however it has created
Some whallenges in data protection,
employment and mental health issues,
which need to be regulated at individual,
community and national level.

2- How Is Expanding Information
Technology A Blessing?

2a- Enhanced communication and connectivity

(A study published in the Journal

of Computer-Mediated Communication:

Facebook, Twitter LinkedIn improved

Social interactions)

	26. Improvement in education accessibility	
	((Oursera and ed) platforms)	
	2ic- Advancements in balthcare	
	(The Digital Doctor: Hope, Hype and	
	Harm at the Daws of Medicine's	
	Computer Age 1/2 Robert Wachter:	*
	use of telemedicines and electronic	
	health seconds etc)	
	2d- Growth in expromp	
	(Mckinsey Global Inctitute Report:	
	accounts 22 fer cent of Global GDP)	
	2e - Increased efficiency and productivity	
	(Amazon's use of robotics)	
	2f- New jobs reation	
	(US Buyeau of Labor Statistics Report	!
	11 per cent globs creation till 2029)	
3-	How Is Expanding Information	2
	Technology A Couse?	
	3a - Privacy miem and data security	
	(The Facebook-Cambridge Analytica)	
	Scandal in 2018)	
	3b- Displacement in jobs	
	(World Economic Form 2020 report: 85 million gobs diplatement by 2025)	

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	3c- Digital addiction and mental health	
	issues	
	(Amexican Asychological Association	
	Report)	
	3d- Electronic-weste di posal in environme	nt
	(Global E-waste Monitor 2024 Repor)
	3e- Reduced interpresental skills	
	in declaration to be transferred the	
4-	How To Cub The Drawbacks Of	
	Information Technology?	
	4a - Monitor the individual we of social	
	media apps through tracking system	
	46- Launch digital literacy programs	
	(Case Study: McMillen Health's Digital	
	Citizenship frograms)	
B	4c- Strengthen cybersecurity laws	
	involer in cone serior 11 potental	
5-	Conclusion Tilly theres william	
	Chanenges. It weeks to be explosed	
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"Expanding Information Technology: A Couse OR Blessing"

Human history is full an technological advances in all facets of size. Since the 2 went of the First Industrial oution, the sustantal development technology be transformed the livelihoods of human leings. Klas become an inextricable project almost every aspect of life However, there is a discourse around the unbaidled expansion in informatione technology de l'ene people vi it eyasa blessing while others eg a curse. Although advencement in information technology presents numerow hurdles in some sector, the potential positive impacts of IT surpass its challenges. It needs to be explored how information technology has more blessings than corses in almost every aspect of lige. Therefore, expansion in information technology has sevolutionized the modern world through its significant

adventages in communication, education, health and economic sector; however, it has created some challenges in data projection, employment and mental health issues , command over language is fine be regulated at individing Command over ideas is also the and national level. As Yuval Noch Haven's a genouned Historian and Author aptly said: Need a bit more egeptivity not deterministic. You can we the same technology to create very different kinds of societies. Starting with, information technology has significant nhanding tages in investing communication and connectiving among people. Almost overyone has access to information tools such as electronic media, print media and social media. It connected people worldwide Consequently, it brought unity in diversity. I study published in the Journal of Computermediated Communication highlights that

Facebook, The text Linkalin improved Social interactions. It helps people to discuss their school with each other and find solution of their problems. Hence, expanding information fethnology is a blessing in many ways. Particularly, in connecting people of different cultures, background, religions and ethnicities.

Moreover, expanding information tools have substantially increased accessibility of manss to education poetforms. Participally, people living in for-flung sneed can have the opportunity of Eveiling free education platforms onlines for instance consera and ed y bound free education apportanities. These are prominent Matterns offering council from top universities to millions of Students wordwide. These pletform provides unde range of courses from computer science to

humanities, enabling learners to acquire new skills and knowledge at their own pace. Hence, both platform are Intrumental in democratizing education. Therefore, it provides evidence that information technology has provided many advantages in education sector.

Further more, information technology has genolutionized the heathcore sector by improving realthorne facilities. The precision of machine Dezming and bot Citiz intelligence assisted doctors in diagnosing disease effectively and efficiently. It sealined the time span and more and the outcomes. In his seminal work, The Digital Occur: Hore, Hype and Harm at the Dawn of Medicine's Computer Age, Robert Warter explain the we of telepredicines and electronic teals records (EHRs) in increasing efficiently in medical field

Now, EHRS project deta of patients for long time. Moreovers telemedicina belied in improving diagnostic accuracy and enhanced patient outcomes. So, it gives clear proof of levolutionary impact of technology in heatherse sector. Additionally, economic growth is another blessing owing to expanding Information technology. The artificial intelligent machines have reduced time duration and increased produting. Hence, it booses up economic growth and efficiency. According to Mckinsey Global Institute 2018 Report, digital economy accounted for 22 per cent of global GDP. It underscores the buse economic impact of information technology. It appended due to efficient patient of orginal patients. It increased demand for IT professiones across various sectors , including

Cybersecurity, software development, and data analysis. Hence, IT has largely contributed in economic development.

Adding on the above factors, expanding information technology has staggering Positive Impacts at on increasing efficiency and productivity of businesses. Those companies, which are working online, have taken areat Which have their bus Businesses online They have steamlined information technology in their deta processing. For Instance, Amazon's se of Artificial litelligence and robotics in its werehouses her significantly improved order fulfillment speed and accoracy. The company's Edvand logistics retwork and exphisticated algorithms enable it to process and deliver millions of orders doily. Hence, information technology has Set new standards for commerce

efficiency. There (use, IT has transformed manufacturing process in industries and increased productivity.

This

In addition to the , Information technology provided opportunity for new jobs. Prihouph various manual jobs are it stake; IT sector has provided avenues for new jobs as well. There reople was learn Skill of IT and train themselves (Zen upgread their joby in IT. According to the US Burgay of Labour Statistics a complayment in computer and Is occupations is projected to grow by 11 per certeflexisgrovito19 to 2029. Harter growth theo the Everege for all occupation. People only need to upgrede them excording to the demands of IT. In this way, they can homess the potential of These technologies. It prove that new gobs will be created by ST.

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Firstly, the pervasive nature of information technology has aggressed privacy issured to beoble mondange. The olgorithmy have occessiblity to the private data of each person. Some people we then for their referrious purposes and breach deta of other people. Its stock example found in the torebook - (zin boidge Analytica Scandal in 2018, where the personal data of million of people was harrested without their consent. It highlights the potential misuse of data by Some companies. Similarly, identity Heft - typera ocks and data breached

provide other sample. Hence, IT is a curse in cost of privacy Concerns of people Secondly, IT has displaced verious jobs, particularly menual works. Those jobs such as deta entry, dota analysis, cultomer service - Representative, insorbiet Research analysts and raphic designers, replaced by AI, automation and machine Jearning. World Economic Forum 2020 Report predicts 16 by 2025, sutomation will displace 85 million jobs, highlighting the displacement effect. This report emphasizes the need for reskilling and upskilling programs to prepare wasters for the gobs of the future. The belongs to Artificiall intelligence, which inflicts espearched to Jobs of Newson Jectors Therefore, job disposeement 95 a disadvantage of expanding IT.

Thirdly, with increasing we of information technologies, people get addicted to it which led to mental health issues. The nising cases of mental health diseases are linked to the addiction of social media apps such as fecebook, Instagram and Twitter. These apps are designed to grab the attention of uses. Therefore, they welessly scroll on these Epps, sometimes not ever knowing they are along it. The American Psychological Association (APA) reported that hezary social media use is associated with higher levels of anriety and depression in teenigers. The report also is hlights the impact on social media on self-esteem, body imege and social comparison. I, Whimstelly, impacts mental health of yeus. Hence, it provides clear endene that bodies meg 18 apps have increased mental health Issues.

Fourthly, environmental pollution issues name rised owing to Electronicweste disposal in environments which is one of the disadvanteger of expanding termologies. For the manufacturing of sutomatic. mechine, verious entronic meterials are wed, which are hamful for environment. The Gobal E-weste Monitor, 2024 Report highlights thet global E-waste generation by Significantly increased from 34 billion Kilograms 1/2010 to 62 billion Kilograms in 2022. This trend is projected to continue, reaching 82 billion Glograms by 2030. It underscores the Bosique implication of information technology on increasing environmental pollution. Hence, II has contributed in 2-weste generation.

technological apps has substantially

reduced interpersonal skills of communication. Most of the times, people are buy wing these apps. Consequently, it gests advers impacts on lace-to-face communication. Moreover, it less to social Isolation. A study by the University of Pensylvania 2018 found that limiting soul media we to 30 minutes per day reduced feetings of lonliners and depression. 11-Suggests that seeding Screen time can improve mental health and promote more fulfilling social intersections. Sor information technology is a curse in reducing social interaction.

To regulate the expanding nature of information technology, several measures need to take.

Firstly, individual we of Locial media application of social tracking system of social media apps.

Different tracking pps . ore available in mobile proces, which regulate the we of these application. For example, Digital wellbeing and Screen Time (iOS) track time spend on gods media. By wing these epps, one can limit spending much time on these epplications. Moreover, leurch digital literacy programs and integrate them into oderation system. It will make people swere about the positive and negative impacts of using these technologies. One progress such ze miller Health's Digital Citizenship programs work to integrate internet mage Skills and safety. to spread public awareness. Both progrems can be helpful in of pulcting the expanding on this way, it will control the negative inputs of IT on people

furthermore, by showing ill law, the current of IT can be regulated. It sepuires entancing guardrails on wing these technologies. It repuises contributions the effort of government, stakeholden and society. In this way, privary of people can be safequented. The case study of European Union's General Data Protection Regulation (GDPR) is the best example. It establishes Strict rules for do a protection and Privacy including date breek notifications and data subject rights. Similar lawy can overhaul wage of IT.

In conclusion, expanding information technology has transformed the live of people. It provides significant savantages and some challenges now whether it is a blassing or a curse depends on how it is willized. Underiably,

IT has revolutionized communication, education, herthcare and economic ruge challenges in data gobs displacement and iscues. By monitoring se of these technologies people can regulate the expansions we of information technology. Therefore, havnessig the perential we of technology and regulating it's asverse impacts is the need of the four. Andred, it is frought with fermidable challenges. However immediate actions in the right direction can help traverse this difficult path. It is a pourney of thoward miles, which can be covered through concerted efforts of all stateholders. As melvin Kranzberg, an American Historian Very diplomatic statement rightly said: Technology is neither good nor bad; nor it is neutral