Zubaix Mustarta 9-1-2025 AI: the driving catalyst of a new era of grawth Outline Thesis Statement : Artificie Plz divide it into at least the is the driving catalyst of a new era of growth because chargery and transformational development in economy, heat use, education, un acopment and transportation. Although it poses serious threats to our Gragile planet, it can be mitigated through heli a approach -Introduction "Al is going a change the world- Elon Musle Understanding the term of AI I case in paint: An intelligent machine made by human? Marthy How is AI the during catalyst of a Ī new era of growth? A. Increasing emamic apportunities Duta Corporation B- Emerging trend at employment Case in point: 97 million job by 2025



C- Improving & und detect on case in point: 34 per cent reduction D. Enhancing Eduction System case in point Georgean powered education platform E. Revolutionizing Luncare System Case in point: Detection & cancer an early stage F. Introducing whan my agement Bacililia Case in point : The Smart Nation Initiative of Ingapore Gr- Enviranmend Justainability Case in point: NOA Report 2019 H. Developing transportation system case in por. Self driving Cars I- Increasing Labour productivity Case in point Eu pean Porliament Report J- Consuring dat security IV- AI is posing various challinges to the world A- Igniting sources of wavefare Case in point: James Johnson opinion B- Increasing preacy concerns C. Human replacement case in point: 85 million job displacement



way word for mitigations challenges V A- Establishing ethical guidlines and regulations B- Promoting awar vess and Education C- Fosterio a chabovation across sectors case in global cooperation an AI gover ance Conclus n "Astificial In ligence e uvold to chang Love th in the history of air Musk Indouktedly, as per the wo sof Elon Musk AI ha revalutionized serveral fields and it dir mons and fraua adection Lors. International discourse drivin has realized its Focus on grammar plz company and country has been enjoying various applications of AI The demand Fix care in AT has AI. been steadily increasing Mary companies are seeking to higher skilled proffectionals



, 11 11 of AI. As is the driving catalyst of a new era of growth because it is dranatically changing the world and use ng in Vansformational development in economy heathcase, education, urban developm and transportation. Although, poses serious seats to any gradile planet, it can be mitigat through holistic approach. To understand the whole aspects of AI's potential, this essay difies the firm of AT as per prominent scientist. After that the dijussion torns to highlight num and antages of AI that more it eccellent took: AI offers lot of benefits such as économic apportunitées, creation of jobs, détection of fraud, reshaping of education system, revolutionizing health are system, environmental sustainability nd enhancing urban man gement. Moreover, this essay exposes rebust challenges MI to the world like increasing sources of war fare, damoging privacy



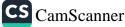
5 and replacing the remaining. Finally, it mentions suitable waysforwards to mitagate the challenges of AI. the or num ous definitions of the but i simple word un be defined as a digital computer program: à well known and prominent American scientist, M. Carthy of fines the termot AI. AT is the suit and engineering of making interregent machines, especially entelligent provams. AI develops softwarers and systems based on how human minds think, Learn, decide and plue a prablem. Therefore, AI is digital computer or computer cantilled robot to perform task comonly associated with intelligent beings. The aspects that now that he is AE the driving catalyst of a few era of growth



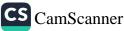
Increasing economic opportunities show that It is the driving cataluct of a new era growth is per the emerging trend of M, Intern ational market has be inding to spend every alar in Als services and softwares which offer a huge profit. It also contributes to global economy. International Dea Corporation star that by 200, AI could add apprentely 4.6 trillion annually into global economy. The septimous mat 413 potential is roemendous and substantial. It also reflects that AI is emerging economic surve in the world and it by the potential to change the fate of a contry. Therefore, AI is offering unprecedent economic opportunities that make it driving catalyst of a new era of growth. Besides economic opportunities, emerging frend of in loyment advocates that AI is the driving catalyst of



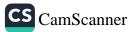
1 9 12 7 a new era of growth. Cyclothy. every student wants to acquire skills of DI that allow "him to enter in white mar job. According to a report, publised by Wild Economic Forum 2019, AI ould lead approximately 97 million obs worldwide by 2025. It means that is can miligate sense of unemployment which is not only green signal for peaceful coexistence by also good havbingen to your development aevoss the world. They, AI creates a lot of Jobs which reflect it a powerful tool Moseover, I is proving fraud detection by recogning images which hows that AI is the driving cataly of a new eva of growth. There is soubt in the fact lat AI offer various tools and eplications which has the ability to detect Frand. A study by the Association of Certified



Fraud Examiner (FE) four that organizations that used AT powered Fraud delection pols experienced a 34 percent seduction on frau losses. - ACFE 2020. The set of shows that AI has achieved frad detection neross the world which is huge achievement of Al. Hence, AI's tools and applications are benefitial for fraud detection. Considering the abality of AI, it is also a neual to mention that it enhancing education system. It provides student Learning allifcomes by identifying knowledge gap and assess students work. In 2014, the Greorgean Grovernment Launched AI- por ved meation plat orm to : improve spent larning outemes, identify draw backs and suggest suitable secommendations Resultantly, the committy result with 30% increase i pass rates in mathametic and scien? Furthermore, 90 percent teachers



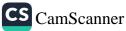
report. inproved in student learning autcomes. Taking the success ful example of Georgeon education method, the world can not goved to advantages of AI in elecation & tor. Therefore, AT is reshaping the education sector which highlights its worth. Furthermore, AI is stearly verolutionizing the healt care system with more accurate and uch faster diagnostic system than traditional method. It has developed numerous applications which analyze modical data to asses in d'gnostic dis ses with high accuracy. Is example, AI algorithance has the ability to detect early signs of conditions of neer. Furthermose, As ex the boyld Health Organization, AL can detect breast cancer at early stages. within short time and your human error. It can note costs and time with modern diagnostic techniques a, AI is providing numerous benefits to healthcare



1 M 13 10 sector making it an excellent tool. In addition to this, 1 is introducing whan panagement facilities which offer a lot of advant-ages in every sphere of life. AIpowered traffic man ment not only reduces trop el time la also decreases every consumption. In 2014. Singapore launched the Smart Nation Initiative to seduce the citizens difficulties in orban life and to provide unprecedent facilities. Resultantly, the country exeperienced reduction in travel time by 20 per cent and 30 pr cent eduction in energy consumption. It mays that the world can exadicate the threats of climate change which is sobust that not only to existence of the lumanity but also to global economy. Thus, AI offers urban management facilities which make it prograble tool. Additionally, AI is providing environmental sustainability



4 by exploring weather patterns and predicting early signs of natural disaster siles. It has the ability to analyze de prestation National Aeronautic and Space Administration (NASA) states that AI powered Systems can analyze sattelite images to track deforestation, detect. early signs of natural disasters and predict weath Patterns · (NA A 2019) · It is great at for the world because climate change wich is a mammoth menace to the rumanity. Hence, AI is offering various tools to achieve environmental sustainability. Furthermore, AI has revolutionized transportation system by introducing unxpecter new vehicles. The engine trend of AI in vehicles is unavoidable and remarkable. AI provides such vehicles which man would n think about them. Uper uses AI to power its self-due which can



12 - detect and respond to their surroundings na gate through traffic and safety their transfort passengers to their destinations. , this is remarkable achievement of AI in this realm which highlights that AI is the driving catalyst of a new era of growth: AI is one of the most consequential technologies in the world because it increases labour productivity - It enables automation of soutine tasks allowing his in workers to focus on complex and creative endeavors. According to European Parlie ent Report AI could lead to a significant increase in labour practivity, rentially upto 40 per cent due to provative technology enabling more efficient workforce - related fine allocation. It shows that AT reduce dependency on human labour and enhance productivity across the porld. It is inarguably true that A is the driving catalyst of a new



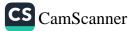
- IIIAA 13 era of growth. Plz make ur argumentsistrongera security is another benefit AI which can provide more unive an Je data secuvity. Industries are low largely selying on technogies to secure their data. AI excels at prosessing data are making a powerful tool for optimization accross different field. AI's broad applicability continues to grow in every field. It can also use its ability to interpret data with better decisions. It can automate tedious tasks with any patigue. Therefore, AI is offing multiple tools to secure data. There are always two sides of a coin, and that is the case with pray well AI can harm our Fragile planet posing various challenges. AI is igniting source



14 of waxfare introducing dangerous the ability to devoy peaceful coexistence. The nited States Defense Department is experience with AI bots can fly a podified F-16 ghter Jet and Russia has been testing autonomous vehicles. These developments can damage peace and increase pace of conflicts. James Johnson writes, in his book AI and the Bomb', there possibility of an accidental nuclear way the Cast China Sea in 2025 precipitated by AI-drivin intelligence on both the US and Ching out is per the of James Johnson this is a huge threat to the world posed by AL In a nut shell, AI is posing a parmoth menace by igniting waverve. Besides creasing war are, international discopsice has greenally revolved around the matter of privacy. Creating bake videos



15 and photos, it can destroy privacy of it ividual. The use of AI in sveillance technologies raises concers about private and civil Liberfies. There is no enying the fact that it pars serious threat to humanify. "People should be worried about threat posed by Drtificial Intelligence." B Gates. Undoubtedly, Observing the challenges of AI, people on base various obstacles due to DI. Hence, AI is violating privacy of individual. Try to create natural cohesion and commection among paragraphs also replaces human is different field accross the uprild. Due to much baster, umans are now speechless before it "The de elopment of ful AI could spell the end of the human sace. It would redesign itself at an ever encreasing rate. Humans, who are limited y slow biological evolution, could not compete it and would



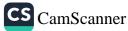
16 be suppressed. Stephen Hawking. Definitily, human would be suppressed due to challenges of AI. It has started job. replacement. World Economic Forum estimated that AI could lead Ucan improve ur word choice displacement of around BS million jobs by 2025. Thus, it is a big challenge to the humanity. As every cloud has silver lining these challenges approach paragraph To havness the benefits of AI, it is initial to establish ethical guidlines and regulations which must rein its unavoidable challenges. In this regard, Development of AI Ethics Framework is crucial. Governments, organizations and industries must collaborate to create mical quidelines that govern the development and use of AI. The implementing regulations and guidelines



17 (an mould it to shield box planet. To take unprecedent advantages it is also perché to omote awaveness and provide education to people that they can use it a right direction. These reps can help in not only huring charlenges of AI but also developing econy accross the world. To take unlimited benefits, providing basic skills of AI, are crucial. For example gaming jedustries ave recieving \$ 200 poillion from AI. So, creating primeress and providing edication can stiffe these charlenges posed by AI. Evitering collaboration across sectors also significant to mitigate the challenge of AI. In this regived, public private partnership and global cooperation on AI governance



18 ave essential. I international bodies must assess end introduce measures to reduce threats of AI. International discourse can also by important role in Dostering collaboration. aecross sectors. To conclude, nobody can deny the potential of AE AI is chan ically chaging the world by individucing efficiency to workplaces and improving industrial productivity and restarin various sectors. the main objective of AI is to enhance unlimited, unexpected and undelieveal opportunifies in every bacet of life. It has been emiging since its evolution. Currently, it is offering a lot of benefits including : economic opportunities, uvban Good use of punctuation vironmental sustainability, revolutionizing healthcave sector, fraud detection and reshaping education system. Although



it poses numerous challenges, these challend or mitigated by introducing which weres. PI's potential is substantial and tremendous Avoid writing in passive

