Laxistancio perstatencip gron dista Corycanon DIntroductionemes/topics @What is Digital Education? 3 How Pakistan is Ready Jox Digital. Education a) Various digital education policies formulated to promote digitization of caucation of A number of Online digital learning platforms have been introduced to help students per quality education from distant aseas c) AJ-Driven adaptive education initiatives have been taken to improve learning outcomes d) Making collaboration with various multinational corporations and technology companies to improve access to educate and seduce the number of out-of-sand children e) Several steps have been taken to improve digital education infrastructure by providing punds, wifi, de vices, and expective 1) Different digital tools have been used to improve efficiency of educational institutions management 9) Short-term e-learning program has been Jounch Jby Paxistan Education Task poole to teach the students basic computer literacy wills h) A number of teacher training programbaverteenced to equip teachess with the necessary skills of online teaching sempte learning management, and content acation is Various social media appsarasbeing by teachers and students for communication

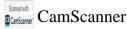


Day: Date:_ and assignment shaving. 9 How Pakistan is not ready for digital education a) Slow internet and its widespread unavailability make Parkistan least seady for digital oducation Teachers and students are to unawage of the this how of the tools and apps ared in digital education Conclusion Suggest recommendations as well

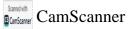


Estin Technological advancement has sevolutionited almost every sector and field of life britiging ease and prosperity to human Education sector is no orception pring. to this regardy countries of the world have disitilized then education system. Pakistan has also made efforts to digitilize its digital practices into it. Digital edication refers to the use of digital technologies to enhance and support teaching learning and assessment. It enlompreses various formation tools and plathorms to provide flexible, accessible and personalized barning experiences, consequently bridgho the educational news diruide between different socioeconomi proups Pakistan has made giventicant progress in this regard Partistan has somulated varibus dispital education policies to promote digitilization of education. It has Introduced a number of online digital platgorms to help students in optimo quality education 2000 distant areas. Similarly, AI-driven adaptive education initiatives have been taken to improve learning outcomes Moreouer, Paxistan & making

collaboration with various multinational comparation and technology companies to reduce the number of out-of-school children in addition to this, several steps have been taken to improve digital education infast-metuse haditionally, different digital tools have been used to enhance the efficiency of educational institutions management Likevoise a number of teachers training programs have been initiated to equip teachers with the necessary stills of online learning However, some areve that Pakistan is not seady for digital education as it has issues related to internot Similarly teachers and students are unawase of the Know-how of the technology used in education nowever, this le mot true as of 2024, Pakistan has Avoid examples/references in tion, accounding for about 71.8% of total population, which a median speed of internet around 16.7 Mbps. Hence, Pakistan had made significant Tis progress to digitifize education and is thulefore fully ready for distributed acation Digital education is the use of digital technologies to enhance and support tedening, learning, and assessment. It encompasses vasions formates, tools, and platforms to proceide plexible, accessible, and personalized learning experiences. It enhances student engagement and



Date: motivation, and teacher productivity and efficiency. It includes digital learning, online education, uistual learning blended learning there and various technologies such as ot, blockchain, AI, big data, Janufication up and pR that are the backbone of dignitul education - Digitut long deer the apex of education modern education To begin with, Pakistan has formulated various policies, both center and provinces level to promote digitilization of education. These policies aims improve access to technology and internet for educational pur It will solve the out-g-school children issue by providing execution 2 see cost at homes. It will utill improved learning outiones as the tradition education system has many paults. Parkistan Policy 2017 pourses Digital enhancing public-prinate partnoslips, develop incorposing IT software, and ng accessible accessibility to boost the use of IT education. Sinhilarly Jakistan has AT Policy 2023 pomulated National which arms to muest in Record and Develop mont to propel Paulstan towards advavament in dispital learning Also Mission 2025 Pakistan aims to extend, education to even



household, prouide pree education to out of -schoof duildren link National 1D to educati Paristan herefore. has Formulated vanor 0 digital improve education Similarly Pakistan been has taking AI-driven adaptive education initiathees Learning to improve outcome, AI-driven education initiatues help in will laming 1 red Dath adaptive seal time heed back tutoring. and AI Im Will onterme improve gaming and increased enhanced engagement this purpose, accers Pakistan has Dr similican made strides AI educatio hmigh AT phigial Presid nitiative Computing (PIALS) This ellaence d training a new generation fatho give equal mactitioners AI Vand has teaching algorithms. importance to dat AI and Technology science and Mathematics Engineering education. partnership through petween School U the Goey and UK-based ENTURY Teph tools have been 60,000 students accross int moduced to over Paristan, allowing personalised schools in 153 like English Science ubiens pealinno This will MOREAN carmon Mathe. imes Thus, Pakestan UAI has aducation system ating its learning ontrones.



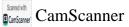
Moreouser, Pakistan has introduced (F) a mumber of online digital learning platforme to help students get quality education 700m distant areas online digital An learning platform is a website, application or system educational contents, resources proude and tools por learning to access and engage with online A helps student to attend classes at home with improved learning outiones Wirtual University online education platform the pirst Introduced by Parcistan which has benefited thousands of student in getting icnoweledge. Allama igtal Open University's online program is onlin Pakistan's another example of digital educational platform from whe lot of students have graduated the concept a Teleschoo Similarly, Learning and Takmil are digital line platforms that have been introduced by Pakistan to help nt-on-schon are cost effective and easily accessible to students of mleg deeas where there is lack of standard ducational institutions Therefore, Pakistan has introduced numerous meine digital glatforms which indicates that Paxiston is ready for digital exection. fusches more, Paristan is making



Date:___ collaboration with various multinational to improve access to education and digitilize its education system. These collaborations help Pakistan to introduce technology into its education system for better sesuit it will also help to provide access to digital tools and resources for students and teachers. Teacher will learn how to use teennology effectively in classrooms and they will develop and implement effective learning process that leversage technology Allied, an Australian manufacturer of Google Chroomebooks is indeed setting up an assembly line in Pakistan This will make chroothebooks more affordable for education purposes in Pakistan Also, Google Jaunched it's "Google for Education" platform and Google CS First" program to introduce coding skills to students in Pakistan Smilarly, Coursera signed a MOD with UU University of Paristan to offer online courses to pakistani Shudents These colleborations help Paristan to improve its digital education. Thus, Pakistan is making collaboration with technology companies to digitilise its disital education. Lixandise, Paristan has taken several steps to improve digital education



Day: Date: infrastructure by prouiding junds. devices, internet pacility and expostise making itself ready for digital eduction Infrastructure that is needed for digital education includes technology software, denices, internet and susairces Several policies have been on expanding digital mulated access, internet connectivity and allocating separate for digital improvement government is education collaborating with telecom companies to improve internet access in remote and sules area so that students can easily oxt education. The PM's Laptop schome, launched by gomes PM Nawar sharif. aims to praide laptop to deserving students smilarly the clearn Punjab initiative, Launched in 2018, is a glasslip of the Government of Pinjab that aim of tigital education to improve infrastorieture providing computers, tablets and internet connectivity Also, multimedia and smart classroom have been provided to various schools and collage thus, it that Pakistan has made shous significant mogses towards digitilizing is education system by improving degital Infrastruture In addition to this, differend digital tools have been used in management of educational



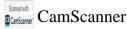
(b)institutions that indicates Paxistan progress towards digital education This management system of improves institutions educational like, administrativ monagement, academic management, students and teachers manage ement Now there is no need Keep big sized segister school records and data Keeping like errordment record students their attendence and cost sawing and improve stroents and teacher engagement aucational institutions use biometric machine or staff attendence which addresses issuel of absentisin. Under the Punjab the. digital policy 2020, digita Host -over human resource (11) management tools to ensure attendence ave been 11402 staff, Similarly, the Punjab information echnology Board has implemented the Student Information System (SIS) 2017 to digitiae Student relata management like their attendence envollment and grade management. Thus, Paristan is pully reach for digpital education as it is using different educational instituctions management. tools in Additionally, Paxistan Education Task force has Launched various short-term leagning programs to teach the students basic computer literacy skills these skills sefer to the pundamental

Knoweledge and abilities required to effectively use computer and technology This will make the spidents able to effectively use various technologies and tools used in digital education These shortterm clearning programs have been introduced 200 implementing Digital Education Programs. Computer Riteracy skills like Key-boarding and interest nauisation are faught to students. Thus Parkistan Education Task For bae developed short-term elearning courses to teach basic skills(related to digital tools used in digital education making itself fully prepase gos digital education. Also, Paristan has intereduced teacher training programs to equip teachers with the necessary skills sequired for online teaching remote leagning manggement, and content creation mough these programs. teachers leagn basic computer skills, lesson planning and delivery of online classes, online communication skills and the use a multimodia and online conforming tools. They howe been introduced after collaboration The Citizen Foundation, a non-profit organization, has introduced teacher endining programs focusing on

(12) en equipine teachers will online teaching skills by offering wirtual workshops modules pristance training managina momote ! classmoons using digite and tools lesson planning and strident assessment. Similagly uxbeen another org anization. m 2020, introduced online workshops and crash courses for public schal teachers and private help to to transition ouline teaching environment to Therefore, axistan introduced has variou tocichers to equip them Nor skills nequired for online touching that indicates akistan Depand goo digit adreation Besides, both students teachon vanory use social communication anns 2756 here apps include sharing. whats congle classroom, and Telegram. easily can be used matterials shasing for this purpo groups are made on these apps different to effectively manage class work message Convert an secardine other tinund and class Dlannee Nhatsapp has events ysmillion ouero Paristan making it Jour and updates. source for communication - acogle classion used ĩc sharing, and olassoon quizes assignment Likewelses on facebook, closed management onsups are created for class



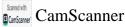
3 assignment sharing and communication. TOY between students and teacher Another app, Edmo used LUMS For Leurse management Using these appr enhanced onmunication, increased accessibility seal-time geodback twosding to Seport, 70% of Pakistoni Students se socia educational pumposes teachers and students use cocial communication and updates hich shows Pakistan sedines for dispital education. However, some angue that Pakista ready por digital not, e ducation 0 because internet and its SLOW widespread unial ability for distital education, these is meed of speed internet its and availability in Paristan, interest speed is too low to play five classes or Also, in download large pdf sile inter many miles areas, is not quailable and cannot. 5+ online classes Stadents of mbe attend. omeas have to go to critics 301 attending online classes the as these are Ill million user not take integnet at present representing 45.7% of the total populat Also median mobile speed internet connection speed is 16-67 Mbps, sufficient enough play online uideos and davillade



(5) These fore, Paristan has made mol ress to ncrease availability tts Speed and etsel making seady dign tal for oducation Sim ash also they tha: 0189110 teachers and tudonto mgo imali Know. now of the technology used in disital education and mole indicating Pakistan is that last disital ready oducat neressan that both teachon and have the ndants basic SKILLS to use how the tools and used in disita education. Howevers. in Pakistan toachors and Students lack those skille making diditization of education decamo lowersee distant it is not different training programs the as introduced have teachors Sondants to. teach pasic computer them Know how on the tools skills and education Short-term eleasning in dianta mornam, Pakistan Education Task Force aunched haining and and teacher unched by The Citizen moorem examples Foundation' m and this seen and Therefores students teacher the KNOW an use tool in in igital ducation apps used disital making Parcistan seady oducation



4 To conclude, it can be soud that akistan is prepased gos dizital educated as shown by various efforts mode in this regard. Some argue that Paristan is not ready gor digital education as it has low internet speed. Smilarly, they also argue that teaches no knowledge and students have of how to use the top's and apps used in digital education towever, they ispore the fact that these are ill million active internet user, and internet speed is 16.7 Mbps, which is enough for playing online uideas takistan is indiking significant propress towards digital education disital education various places have been formulated to promote digitization of education of number of online platoorms have been introduced to grom distant areas Similarly, AI-drive Similarly AI-driven adaptive initiatives have been taken to improve learning outcomes likewie akistan is making collaboration with multinational corporation and technology companies to improve access to equitation and reduce the number art-of- selool children More over variou steps have been taken to improve digital education infrastructure by providing Junds, internet and devices digital education Resides



Day: Date:___ (15) a number of social media apps have been used by teachers and students for communication and assignment sharing in this digital erra where every field of life is cetting digitized, disital education is inevitable making education accessible to all. All this is the sesult of technological advancement, which brings easiness to boman in one way or other way.

