IDEATION PHASE

LITERATURE SURVEY

DATE	**06 November 2022**
TEAM ID	**PNT2022TMID46656**
PROJECT NAME	**Real-Time Communication System Powered by AI for specially Abled**
MAXIMUM MARKS	**2 MARKS**

S.NO:	**TITLE**	**AUTHOR**	**YEAR**	**PROBLEM IDENTIFIED**	**TECHNIQUES USED**	**DRAWBACKS**
1.	Quality of life among peoples with physical disability	*Kunal Kuvalekar, Ramachandar*	4th January 2015	Awareness regarding laws & Utility pattern of available	Machine Learning	It does only India's disabilities people's percentage

2.	People with Disabilities as an unrecognized health disparity population	*L.Krahn, Deborah lein walker.*	April 2015	Population history of discrimination & exclusion, population-level differences in health outcomes, public health actions to reduce disability-related disparities.	The algorithm used here is IOT	Disadvantage for people with disabilities are documented by a long history of legislation & legal rulings to address discrimination & exclusion.Dating back to mid-19th Century ,common practice in the United States & some European countries was to institutionalize children & adults with significant disabilities life in this institution was often far, by the mid-20th century, media exposure of the dire life circumstances in

						institutions galvanized calls for their closure.
3.	Exoskeleton's design & usefulness evidence according to a systematic review of lower limb exoskeletons used for function mobility by people with Spinal cord injury.	*Claude vincent*	04th September 2015	Rehabilitation professionals have little information concerning lower limb exoskeletons for people with Paraplegia.	Databases used are PubMed, CINAHL	Expenditure is higher
4.	Brain-Computers interface for control of Wheelchair using Fuzzy Neural Networks	Nurullah Akkaya	29th September 2016	The measurement of human brain signals converts them into control signals, required the development of an interface between the brain & computer	Machine Learning(ML)	The approaches used in the paper allows reading the probability of misclassification & control accuracy of wheelchair.

5.	Counting disability emerging consequences on the Washington questionnaire	Daniel Mont	July 2017	Method that is quick & inexpensively added to censuses, surveys, & research efforts to generate disaggregated, internationally comparable data that provides new insights into how people with disabilities fare in global health and development efforts.	Deep Learning (DL) Design Thinking	No question fully captures mental health impairments and the WGSS is not intended for children younger than 5 years. However, as a validated tool ready for immediate use that is available in many languages, already used in 69 national censuses, and soon to be added to an additional 29 national censuses.

6.	Quality of life prediction in specially disabled people	*Fatemech rajamt,et.al.,*	31st May 2018	The unclear relationships between the independent variables and QoL subsequently, to show the predictor role of these self-reported variables on QoL domains in Iranian physically disabled people.	The algorithm techniques used here is (AI) Artificial Intelligence.	Life in these institutions was often far from idyllic, and by the mid-20th century, media exposure of the dire life circumstanc es in institutions galvanized calls for their closure.
7.	AI & ML in real Life digital health interventio ns	*Andreas K Triantafyllidis* *Athanasios Tsanas*	5th April 2019	The interventions has the potential to revolutionize healthcare & lead to substantial outcomes for patients & medical professionals	Machine Learning	Further works are warrented to demonstrate the effectivenes s of digital interventions relying on machine learning applications in real-life medical care.

8.	Your Robot Therapist will see you now: Ethical Implications of Embodied Artificial Intelligence in Psychiatry, Psychology & Psychotherapy	*Amelia fiske,* *Peter Henningsen,* *Alena buyx*	9th May 2019	It access the Ethical & Social implications of translating embodied AI applications into mental healthcare across the fields of Psychiatry, Psychology & Psychotherapy	Virtual Psychotherapist	Robust design is needed on embodied AI applications in mental health to prevent harm both within therapeutic encounters & in cases where robots could malfunction (or) operate in unpredictable ways.
9.	Elderly care through unusual behaviour detection: A disaster management approach using IOT & Intelligence	*P.Pandey* *R.Litoriya*	November 2019	Provides a minimal disaster management framework for the elderly who are living alone.	Internet Of Things	Working on the ability to capture daily routine changes of an elderly correctly is a challenging problem to solve shortly.

10.		*Roger blae, et.al.,*	14th May 2019	Disability studies in Education emerged from what has been a long and sadly continuing resistance against the oppression of children and young people with disabilities in and through education	cmanitory vision, neo-matrix material	What is problematic for disability studies in education researchers is that journals of inclusive education have become a platform for special educators applying the discourse of inclusion to describe research, which carries many unreconstructed special education assumptions about disability as a signifier of individual

						defectiveness.
11.	Improvement of disability rights via Geographic Information Science	*S. Kocaman* *&* *Nadire Ozdemir*	19th July 2020	To propose a conceptual & methodological framework for the improvement of disability rights in the light of recent advancements in Geographic Information Science (GIS) in particular for those motor disabilities for whom questions related to “WHERE” are essential.	Machine Learning	

12.	Discipilty and academic careers using the social relational model to reveal the role of human managem ent practices in creating disability	*Katherine sang,et.al.,*	14 th April 2021	Interviews with disabled academic in the UK are used to illustrate how organisation practices, some of which are intended to 'accommodate' disabled people, discursively construct and shape disability for people with 'impairments' or chronic health conditions (foster,2007;Wi lliam,2016).the article begins by reviewing existing research on disabled people's experiences of employment, including in academia, before discussing the social		Disadvantag e was experienced as a result of structures and cultures within academic reinforced by HRM performance and career managemen t practices, necessitatin g long working hours which interacted with the effects of impairments to preclude full-time work.

13.	AI for hospital healthcare application cases	Matthias Klumpp	29th July 2021	It provides the core characteristic AI applications in hospitals & this require a specific approach of successful implementation the health care sector.	Machine learning	Important obstacles remain such as regulations integration to the Electronic Health Record (EHR) Standardization, medical devices, certificates, training professional, costs,updates etc.,
14.	Evaluating the impact of COVID-19 on society, environment, economy & education.	*Vijay Kumar*	10th December 2021	Influence of COVID-19 in various field & greatly affected people with disabilities.		Due to stick Lockdown the elderly & disabled people suffer from depression, sleep disturbances & anxiety.
15.	AI & DL in ophthalmology	*Daniel Shu Wei Ting* *Pearse A Keane*	2021	DL has been adopted in image recognition, speech recognition, Natural layout processing.	Deep Learning	But is only beginning to impact on health care.

16.	Techniques for Improving Learning disabilities	*T.S.Poornapriya,* *R.Gopinath*	2022	Learning disorder such as dysgraphia, dyslexia,dyspraxia etc.	Machine Learning algorithms	The evaluation process can be time – consuming, costly & emotionally draining.