

12 JUNE '24 Dewan Taming Sari, Universiti Teknologi MARA Caw. Melaka, Kampus Alor Gajah, Melaka

"Empowerment of Special Meeds through Invention & Innovation"

EXTENDED ABSTRACT

MiiEX'2024

MELAKA INTERNATIONAL INTELLECTUAL EXPOSITION 2024

"EMPOWEREMENT OF SPECIAL NEEDS THROUGH INVENTION AND INNOVATION"

Copyright © 2024

UiTM Cawangan Melaka KM26 Jalan Lendu, 78000 Alor Gajah Melaka Bandaraya Bersejarah Website: https://vmiiex.uitm.edu.my/

MiiEX'2024

MELAKA INTERNATIONAL INTELLECTUAL EXPOSITION 2024 "EMPOWEREMENT OF SPECIAL NEEDS THROUGH INVENTION AND INNOVATION"

EDITORSAND COMPILERS:

Dr Maimunah Johari Puan Norlinda Tendot Abu Bakar Puan Maymunah Ismail Puan Nor Halawah Ahmad Cik Afzan Shahilla Amir Hamzah Puan Azira Rahim

COVER DESIGN:

Rashidy Samsudin Wan Nur Khalisah Shamsudin Ridzuan Adli bin Azidin

PUBLISHED BY:

UiTM Cawangan Melaka KM26 Jalan Lendu, 78000 Alor Gajah Melaka Bandaraya Bersejarah Tel: +606-5582094 / 2190 / 2113 eISBN: 978-967-2846-81-9

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system or transmitted in any form by any means, electronic, mechanical, photocopying, recording, or otherwise, with permission of the copyright holder.

CONTENTS

FOREWORD BY THE RECTOR OF UITM CAWANGAN MELAKA

FOREWORD BY THE DEPUTY RECTOR (RESEARCH & INDUSTRIAL LINKAGES)

FOREWORD BY THE PROJECT DIRECTOR

FOREWORD BY MELAKA STATE EXCO OF SCIENCE, TECHNOLOGY, INNOVATION AND DIGITAL COMMUNICATIONS

MIIEX'24 ORGANISING COMMITTEE

ABOUT MIIEX'24

INNOVATION, INVENTION, AND DESIGN

FOREWORD BY THE RECTOR OF UITM CAWANGAN MELAKA



Professor Ts. Dr. Mohd Rasdi bin Zaidi Rector, Universiti Teknologi MARA (UiTM) Cawangan Melaka

Welcome to the Melaka International Intellectual Exposition 2024 (MIIEX '24). It is an honour for me, on behalf of UiTM Cawangan Melaka, to thank all of you for joining MIIEX '24. We are proud to inform you that this is the 13th consecutive year that UiTM Cawangan Melaka is organizing this exposition. Since 2009, UiTM Cawangan Melaka has successfully hosted this innovation exposition. Not only have we succeeded in organizing the exposition, but we have also successfully embarked on commercialized products.

2024 is a special year where MIIEX 2024 emphasizes the development of special needs. As we know, special needs indicate a limitation in a person's ability to engage in and benefit from various aspects, such as daily activities and education. Hence, with the theme "Empowering Special Needs Through Invention and Innovation," it is a platform for industries, professionals, academicians, students, and communities to share their innovative ideas and products to increase accessibility for those with special needs.

The successful implementation of MIIEX '24 is our joint success. This event was supported by the Melaka state government through YB Datuk Fairul Nizam bin Roslan, the EXCO of Science, Technology, Innovation, and Digital Communication. I also want to express my

gratitude to Universitas Negeri Padang, Indonesia, Universitas Muhammadiyah, Makassar, Indonesia, the International Association of Economic and Businesses (IAEB), Universiti Sains Islam Malaysia, Ibnu Ummi Maktum Research Center (UMMI), USIM, and The Southeast Asia Minister of Education Organization Regional Centre for Special Educational Needs (SEAMEO SEN) as our co-collaborators for MIIEX 2024.

The collaboration from various parties in MIIEX '24 is a platform that will improve cooperation and interweaving among industries, professionals, academicians, students, and communities in shaping their potential in developing innovation products. This exposition also serves as a platform to cultivate and uphold the nation's innovation culture by presenting new ideas and research by young people, especially from academia and universities. Indirectly, MIIEX '24 will encourage all inventors towards empowering Science, Technology, Engineering, and Mathematics (STEM), especially in primary and secondary schools.

The new digital landscape also inspires more innovation and new ideas that contribute to various activities, such as business and industries. As a university that encourages "Research and Innovation," we aim to foster more innovative products that benefit scholars, industries, and communities, addressing issues to improve our present and future life.

This exposition would never happen without dedication, teamwork, and commitment. A round of applause should be given to the committee teams, who are the backbone of this exposition. Their hard work, effort, and time made this exposition possible.

Finally, I would like to conclude this brief remark by thanking all the participants and stakeholders for joining the exposition. We hope that this collaboration never ends here.

Thank you.

FOREWORD BY THE DEPUTY RECTOR (RESEARCH & INDUSTRIAL LINKAGES)



Associate Professor. Dr. Nur Hayati binti Abd Rahman

Deputy Rector (Research & Industrial Linkages), Universiti Teknologi MARA (UiTM) Cawangan Melaka

With much passion and privilege, let me warmly welcome all of you to the Melaka International Innovation Exhibition (MIIEX), UiTM Cawangan Melaka's flagship event. I firmly believe that events such as these demonstrate the gradual evolution of this platform in terms of its significance and its governing principles within the sphere of learning and the broader scholarly society.

The theme for this year, "Empowering Special Needs Through Invention and Innovation," strongly connects to our mission of using research and technology to make a positive impact on the world we live in. Besides enforcing the message of diversity, this theme also reaffirms our focus on creating products to improve the lives of people with disabilities (PWDs). Such innovations are vital as only through focused constructive changes can society become more sensitive to the needs of all members.

MIIEX allows researchers, students, and industry professionals to come together, share their innovative research, and develop viable research partnerships. It has been great to see the enthusiasm of the participants and the efforts they put into their projects, which can offer various social and economic benefits. This is why one can state that MIIEX is a great

opportunity for creating connections between the academic environment and industry, facilitating the implementation of innovative and promising projects.

Finally, I would like to express my sincere appreciation to all the members and supporters of the organizing committee, all the participants, sponsors, and everyone involved in preparing this event. I want to express my gratitude for your commitment and involvement, as the success of MIIEX and the development of an active culture of innovation in our university and beyond is partly owed to your support.

Thank you

FOREWORD BY THE PROJECT DIRECTOR



Dr Zulkefli bin Muhamad Hanapiyah Senior Lecturer

Assalamualaikum and Warmest Greetings,

It gives me a great pleasure, on behalf of the organizing committee, to welcome all participants and speakers to the Melaka International Intellectual Exposition 2024 (MIIEX '24) with the theme "Empowering Special Needs Through Invention and Innovation." We are honoured and pleased to welcome all participants to this biennial event.

MIIEX '24 is a platform that gathers experts from local and international industries, academia, scientists, researchers, and the community to contribute to the advancement of scientific and technological knowledge. This knowledge helps develop disruptive innovation products that improve daily activities for businesses and the community, especially those with special needs.

MIIEX '24 provides an atmosphere for inventors of all levels to gain new exposure and collaborate. Indirectly, this promotes a collaborative and innovative culture that focuses on cutting-edge technologies and new standards in technology and creativity.

MIIEX '24 is anticipated to serve as an arena for participants to acquire and disseminate revolutionary information on ideas and innovation. It is intended that the competition will expose the contestants' minds to the latest technologies and designs, aligning with the government's goal of encouraging innovation in Malaysia.

Finally, I want to compliment my fellow committee members on their amazing efforts, which were vital to the event's success. In addition, I want to thank our co-organizers, event sponsors, and participants. Optimistically, we hope that all new knowledge discovered, invented, or innovated will lead us toward future sustainability.

Thank you.

FOREWORD BY MELAKA STATE EXCO OF SCIENCE, TECHNOLOGY, INNOVATION AND DIGITAL COMMUNICATIONS



YB Datuk Fairul Nizam bin Roslan

Melaka State Exco of Science, Technology, Innovation and Digital Communications

Welcome to the Melaka International Intellectual Exposition 2024 (MIIEX '24). It is an honor for me, on behalf of UiTM Cawangan Melaka, to thank all of you for joining MIIEX '24. We are proud to inform you that this is the 13th consecutive year that UiTM Cawangan Melaka is organizing this exposition. Since 2009, UiTM Cawangan Melaka has successfully hosted this innovation exposition. Not only have we succeeded in organizing the exposition, but we have also successfully embarked on commercialized products.

2024 is a special year where MIIEX 2024 emphasizes the development of special needs. As we know, special needs indicate a limitation in a person's ability to engage in and benefit from various aspects, such as daily activities and education. Hence, with the theme "Empowering Special Needs Through Invention and Innovation," it is a platform for industries, professionals, academicians, students, and communities to share their innovative ideas and products to increase accessibility for those with special needs.

The successful implementation of MIIEX '24 is our joint success. This event was supported by the Melaka state government through YB Datuk Fairul Nizam bin Roslan, the EXCO of Science, Technology, Innovation, and Digital Communication. I also want to express my

gratitude to Universitas Negeri Padang, Indonesia, Universitas Muhammadiyah, Makassar, Indonesia, the International Association of Economic and Businesses (IAEB), Universiti Sains Islam Malaysia, Ibnu Ummi Maktum Research Center (UMMI), USIM, and The Southeast Asia Minister of Education Organization Regional Centre for Special Educational Needs (SEAMEO SEN) as our co-collaborators for MIIEX 2024.

The collaboration from various parties in MIIEX '24 is a platform that will improve cooperation and interweaving among industries, professionals, academicians, students, and communities in shaping their potential in developing innovation products. This exposition also serves as a platform to cultivate and uphold the nation's innovation culture by presenting new ideas and research by young people, especially from academia and universities. Indirectly, MIIEX '24 will encourage all inventors towards empowering Science, Technology, Engineering, and Mathematics (STEM), especially in primary and secondary schools.

The new digital landscape also inspires more innovation and new ideas that contribute to various activities, such as business and industries. As a university that encourages "Research and Innovation," we aim to foster more innovative products that benefit scholars, industries, and communities, addressing issues to improve our present and future life.

This exposition would never happen without dedication, teamwork, and commitment. A round of applause should be given to the committee teams, who are the backbone of this exposition. Their hard work, effort, and time made this exposition possible.

Finally, I would like to conclude this brief remark by thanking all the participants and stakeholders for joining the exposition. We hope that this collaboration never ends here.

Thank you.

MIIEX'24 ORGANISING COMMITTEE

PATRON PROFESOR DATUK DR SHAHR SAHIB@SAHIBUDDIN VICE CHANSELLOR, UNIVERSITI TEKNOLOGI MARA CHAIRMAN I YB DATUK FAIRUL NIZAM BIN MELAKA STATE EXCO OF TECHNOLOGY, INNOVATION AND COMMUNICATIONS	ROSLAN SCIENCE,
CHAIRMAN I CHAIRMAN I CHAIRM	SCIENCE,
UNIVERSITI TEKNOLOGI MARA CHAIRMAN I YB DATUK FAIRUL NIZAM BIN MELAKA STATE EXCO OF TECHNOLOGY, INNOVATION AND COMMUNICATIONS	SCIENCE,
CHAIRMAN I YB DATUK FAIRUL NIZAM BIN MELAKA STATE EXCO OF TECHNOLOGY, INNOVATION AND COMMUNICATIONS	SCIENCE,
MELAKA STATE EXCO OF TECHNOLOGY, INNOVATION AND COMMUNICATIONS	SCIENCE,
MELAKA STATE EXCO OF TECHNOLOGY, INNOVATION AND COMMUNICATIONS	SCIENCE,
TECHNOLOGY, INNOVATION AND COMMUNICATIONS	÷
COMMUNICATIONS	DIGITAL
CHAIRMAN II PROF TS DR RASDI RIN ZAINI	
ADVISORS ASSOCIATE PROFESSOR DR. NUR HAY.	ATI BINTI
ABD RAHMAN	
DEPUTY RECTOR (RESEARCH & INE	DUSTRIAL
LINKAGES)	
TS. DR NADZRI BIN MOHD SHARIF	
DEPUTY RECTOR OF STUDENTS AFFAIL	RS
DR MOHAMMAD NOR AFANDI BIN IBR	
DEPUTY RECTOR OF ACADENIC AFFAI	
	K5
PROJECT DIRECTOR DR ZULKEFLI BIN MUHAMAD HANAPIY	YAH
DEPUTY PROJECT DIRECTOR I EN MUHAMMAD FAIRUZ BIN JAMIL	
DEPUTY PROJECT DIRECTOR II PN AINI QAMARIAH BINTI MOHD YUSC	DF
DEPUTY PROJECT DIRECTOR III PN WAN HASMAT BINTI WAN HASSAN	
SECRETARY DR MASTURA BINTI RONI	
CIK SURYA AHMAD ROYALI	
PN BAIZURA BINTI BAHARIN	
PN NOOR RAFIDAH BINTI IBRAHIM	

TREASURER	PN KHAIRUNNISA YUSOFF
	PN AINUL BASYIRAH BINTI ABDUL RAZAK
	PN RABIAH BINTI IBRAHIM
	PN SITI MUSLIHA BINTI MOHD IDRIS
	CIK NORZAHIDAH BINTI YACOB
PROMOTION	DR FADHLUR RAHIM BIN AZMI
	DR IRFAH NAJIHAH BINTI BASIR MALAN
	DR NORNAJIHAH NADIA BINTI HASBULLAH
CORPORATE AND PROTOCOL	AIDA NUR MOHD KODRI
	MOHAMAD SHAFIEI AYUB
	MOHD ARIFF MUSTAFA
	FAHMI SAMSUDIN
	MOHD HAFIFI MOHD SUPIR
	DR MOHAMAD HAFIFI JAMRI
ICT, HELPDESK & TECHNICAL	DR RAIHAH BINTI AMINUDDIN
SUPPORT	TUAN MUHAMMAD IDRIS IRFAN BIN TUAN
	MOHD AZAHAR
	RASEEDA BINTI HAMZAH
	TS. DR. NOR AFIRDAUS BINTI ZAINAL ABIDIN
DESIGN & MULTIMEDIA	EN RASHIDY SAMSUDIN
	RIDZUAN ADLI BIN AZIDIN
	WAN NUR KHALISAH SHAMSUDIN
JURY SELECTION AND	EN NORAZLAN ANUAL
MANAGEMENT	PN AFZAN NOR BINTI TALIB
	PN NUR HIDAYAH ZAINI
	CIK FARIHA AIZA BINTI RAMLY
	PN NURUL AIN BINTI MUSTAKIM
	PN NOORZALYLA MOKHTAR
	PN ZATUL HIMMAH BINTI ABDUL KARIM
	CIK MUNA KAMEELAH BINTI SAUID
	PN NOR MASLIA RASLI SAMUDIN
	PN NURHAFIZAH MOHD ZOLKAPLI
	CIK MILFADZHILAH MOHD JAMIL
	PN NUR HAZWANI BINTI MOHAMAD ROSELI
	PN GLADYS SEBI ENTIGAR

	PN NASHRAH BINTI TALIB
	CIK SITI NURUL IZZA HASHIM
REGISTRATION AND	DR. SITI FEIRUSZ BINTI AHMAD FESOL
PARTICIPATION	SITI RAMIZAH JAMA
	SITI NURSYAHIRA ZAINUDIN
	BUSHRA ABDUL HALIM
BIRO MEDAL & CENDERAHATI	PN SYUKURRIAH IDRUS
	SITI NAZIRAH BINTI OMAR
	RAFIDAH ABDUL AZIZ
	MASTURA AYOB
	INTAN LIANA BINTI SUHAIME
	DR NORASHIKIN ADAM
CERTIFICATE	PN ZUHRI ARAFAH BINTI ZULKIFLI
	FAIQAH HAFIDZAH BINTI HALIM
	NORSHAHIDATUL HASANA BINTI ISHAK
	HAZRATI ZAINI
	KHAIRUL NURMAZIANNA ISMAIL
SPONSORSHIP	DR MOHD SYUKRI BIN ABDULLAH
PROGRAM BOOK, ABSTRACT &	DR MAIMUNAH JOHARI
PUBLICATION	PN MAYMUNAH ISMAIL
	PN NOR HALAWAH AHMAD
	PN AZIRA RAHIM
	NORLINDA TENDOT ABU BAKAR
	AFZAN SHAHILLA AMIR HAMZAH
MEDIA & PUBLCITY	DR NOOR AFZALIZA NAZIRA BINTI IBRAHIM
	DR MOHD SUFIEAN BIN HASSAN
	ENCIK KHAIRI BIN KHAIRUDDIN
	DR NUR SHAZANA BINTI ABDUL RANI
	DR SITI NUR IZYANDIYANA BINTI AB HADI
	DR MOHAMAD HAFIFI BIN JAMRI
MEALS ARRAGEMENTS	DR SITI NURUL AKMA BINTI AHMAD
	MOHD SUFIAN AB KADIR
	SITI MARIAM ALI
	ERRATUL SHELA ESHAK
	NUR FAITHZAH JAMIAN

	MUNIRAH BINTI MOHD JIDI
	MASLIZA BINTI MOHD RAZALI
TECHNICAL & VENUE	EN MAZ IZUAN BIN MAZALAN
	AFZAN SAHILLA BINTI MOHD AMIR HAMZAH
	MUHAMMAD FURQAN BIN AZHAR
	KHAIRUL AZHAR BIN LOCHMAN

ABOUT MIIEX'24

MIIEX'24 is an innovation competition annually organised by UiTM Melaka with the intention to bring together ideas and inspiration that could fit in for commercialization needs. This event creates a platform for researchers to establish networking, partnership and opportunities to collaborate with industries.

OBJECTIVES

- 1. Encourage and instil passion towards inventing and innovating among UiTM Cawangan Melaka staff, students and academicians of local and international higher education institutions;
- 2. Highlight distinguished talents of skilful inventors and exhibit intellectual products, inventions and innovations among local and private tertiary institutions, government and private agencies, including international participants;
- Become an effective Business Matching platform for participating research products, matching industries and partnering government agencies;
- 4. Recognise, inspire and promote invention and innovation products to be patented and commercialized;

5. Increase passion towards inventing and innovating through research and boost interests of government and non-government agencies to obtain consultancy services from a line up experts of higher education institutions and UiTM Cawangan Melaka.

THEME

'EMPOWERMENT OF SPECIAL NEEDS THROUGH INVENTION AND INNOVATION'

INNOVATION, INVENTION, AND DESIGN	
MIIEX'24 ORGANISING COMMITTEE	9
ORAL HISTORY SYSTEM FOR MEMORY MANAGEMENT (OHS3M)	27
ALIMS – ASSETS LOAN AND INVENTORY MANAGEMENT SYSTEM WITH SMS	
NOTIFICATION	31
"SOCKET LOCK-IT": TOOTH EXTRACTION SOCKET COMPRESSION DEVICE FOR	
SPECIAL NEEDS PATIENTS	36
F.O.S MEMBERSHIP SYSTEM ENHANCEMENT USING GEOLOCATION, CHATBOT W	/ITH
USER PREFERENCES	40
CDL-CQI TEMPLATE	44
AIDQR FINANCIAL BRIDGE FOR SPECIAL NEEDS	49
SMART RAKE ROLLER	53
INSUREQUEST: THE INSURANCE ADVENTURE	56
MONEYEASE APP	60
FLEXIWHEEL	64
VIRTUAL REALITY TOOL FOR TEACHING AND LEARNING HUMAN ANATOMY IN	
SECONDARY SCHOOL	68
ENHANCING CHEMISTRY LEARNING FOR SECONDARY SCHOOLS STUDENTS USI	NG
VIRTUAL REALITY	73

THE SUPPORT BOARD: TREATMENT WITHOUT TRANSFER	78
BLIND BANKER APPS	81
GEST2TALK (G2T) APPLICATION	84
ARTHRIEASE KIT	90
REVERZ PRINTER	94
EMPOWERING YOUR FINANCIAL WITH ULTIMATE FINANCIAL COMPANION	98
MY INNER VOICE: AN INNOVATION OF SELF-EXPRESSION	103
WITH THE COMMUNICATION BOOK	103
MIND MAP: INTERROGATIVE WORDS IN MANDARIN	107
AROMAZEN HANDKERCHIEF FOR INDIVIDUALS WITH AUTISM	111
AUTIEASE KIT ULTIMATE COMFORT AND CONVENIENCE SOLUTION	115
MONTESSORI SENSORY SOFTBOOK: ENGAGING EDUCATION FOR CHILDREN WIT	
AUTISM	119
BRAILLEBIND	122
HEAR TO SEE GLASSES	125
SMART BLIND-PEDESTRIAN TRAFFIC LIGHT AND SMART CANE WITH EARPIECE	128
MONEY BRAILLE STAMPING	130

EMPOWER SHOP INNOVATION	134
SENSORYSERENITY BOTTLE	138
SMART UMBRELLA	147
TAXQUEST	149
SMART MUG	153
FINDR	156
IFROST SMART REFRIGERATOR	159
A SMART CANE INTEGRATED WITH ARTIFICIAL INTELLIGENCE (AI) CAPABILITIES	164
ATTACHABLE ROOF FOR WHEELCHAIR	166
3 IN 1 UTENSILS	170
STUDYMATE: UITM STUDENT TIME MANAGEMENT SYSTEM USING WEB-SCRAPING	;
AND TELEGRAM BOT API WITH AUTOMATIC NOTIFICATION REMINDER	173
EMPOWERING AUTISTIC TALENTS	182
DISABANK IMOBILE	187
COMFORTSTEP DIABETIC FOOTWEAR	192
SNUGGLETRON: A COMPANION ROBOT	194
BUDGETBUDDY: SAVE EASILY, SPEND WISELY	198

EZTOTE BAG	201
BUDGET BUDDY	205
SIGHTLESS SHOP	208
FINWEAR TRANSACTION BRACELET	214
FINWEAR TRANSACTION BRACELET	216
MONEY BUDDY	221
UNIVERSAL GAME CARDS (INVESTMENT EDITION)	225
SMART PEN FOR INTELLECTUAL DISABILITIES	229
GLITZGLAM MAKEUP BRUSH	231
INVENTNIC (INVESTMENT APPLICATION FOR VISUAL IMPAIRMENT)	234
THE SMART BLIND CANE STICK	237
TECHNOLOGICAL INNOVATION:	240
THE FUTURE AND CHALLENGES IN MALAYSIA CONTEXT	240
CHROMATONE	245
SMART MEDICINE DISPENSER	246
HELPHUB	250

CREATING BRIDGES FOR OPPORTUNITIES: DEVELOPING A UNIQUEHIRE.COM FOR	
PEOPLE WITH DISABILITIES	254
EMPOWER ABILITY APPLICATION	258
3D FLEXY LEG" SILICONE-BASED PROSTHETIC LEG	259
SMART TECH	263
IHEADEASE: INNOVATIVE HEAD IMMOBILISATION DEVICE FOR SPECIAL CARE PATIENTS DURING DENTAL PROCEDURES	266
CHILLI ROW COLLECTOR	270
TRI-WHEEL NAVIGATOR: INNOVATIVE LUGGAGE WITH TRIANGULAR WHEELS	273
PHINESTIC LEARNING	276
SMART ASSISTIVE WATCH FOR THE VISUALLY IMPAIRED	280
OPTICFIN: BANKING SOFTWARE FOR VISUALLY IMPAIRED PEOPLE	283
TWIST N' TASTE 2-IN-1 BOTTLE	286
THE JIGGLE PILLOW	290
VISIONARY VAULT: REVOLUTIONIZING SOLUTION FOR DISABLE COMMUNITY	292
SAFETY BUBBLY JACKET	300
ADJUSTMENT ON EC METER FOR DISABLE PEOPLE	303

EARBUD TECHNOLOGY FOR THE BLIND	306
LEMMEGUIDE	310
SIGNSYNC	313
ICHAIR - THE NEXT GENERATION IN INTELLIGENT WHEELCHAIR MOBILITY	316
PORTABLE ARMCHAIR CANE	320
SMART INTELLIBOARD	324
MASSAGER WHEELCHAIR	327
VOXTECH: EMPOWERING FINTECH ACCESSIBLITY FOR VISUALLY IMPAIRED	331
TRANSFORMING CORN COBS INTO RENEWABLE COAL: A SUSTAINABLE ALTERNA	TIVE
TO FOSSIL FUELS	336
MULTIPURPOSE KITCHEN TOOL	342
DIGITAL CHOPBOARD	347
GRABBYBITEZ	351
SEEINGSOR SYSTEM DETECTION	354
SAVVY COINS: PERSONAL FORCED SAVINGS TRACKER MOBILE APPLICATIONS	356
CAREMALL	360

EARSENSE: ENHANCING COMMUNICATION FOR THE DEAF THROUGH REAL-TIME	
TRANSLATION	367
REACHER GRABBER TOOL	371
FAIRY LIGHT COLOR	372
MYRELIEFF	376
FIN-ACCESS	377
SMART PILL BOX ORGANIZER	380
INNOVATION IN MAKEUP APPLICATOR FOR HAND DISABILITY PEOPLE	385
APEX SOLAR FAN	389
TALKBACK BALANCE CHECKER	394
THE SOSECURE BLIND-FOLD CANE	396
SIGNAVERSE	402
DISABILITY PEOPLE: SILANG TRANSLATOR	405
KINDLELIT: ADVANCING DYSLEXIA ACCESSIBILITY ON AMAZON KINDLE	408
SHOEDRY	411
BUDGETBUDDY BASED	416
BLYNUS VISION	420

VOICEEASE FOR PEOPLE WITH VISION IMPAIRMENT DISABILITIES	423
CAREABILITY	426
INNOVATIVE PITCHER PLANT TEA SET: A VERSATILE TABLE DECORATION WITH	
MULTIPLE COMPARTMENTS	430
HELPOK: HELP THOSE WHO NEED	433
REVOLUTIONIZING ADHD CARE: INTRODUCING FOCUS FLOW SMARTWATCH FOR	ł
ENHANCED DISABILITY SUPPORT	436
ZENSPHERE	441
CLOTHES BUTTON MAGNETIC	443
ADAPT TO EWHEEL SMART WHEELCHAIR	446
DISABILITY PEOPLE: ABILITYFIN	447
CAPABLEINVEST	450
MULTIFUNCTIONAL HEARING AIDS (AIDEWAY)	454
VTIFY APPLICATION	455
ONE STOP MAINTENANCE APP	458
BLIND STICK TECH (BST)	462
NAVICANE	466

THE ASSIST TOILET WHEELCHAIR	470
SOUND SENTRY	474
JAYJAY COFFEE	476
*BLOW WAVE PRO	480
BRIDGING THE GAP: TECHNOLOGICAL INNOVATIONS AND SUSTAINABILITY	
TOWARDS TRANSFORMING DISABILITY PRODUCTS	483
LAUNDRY SERVICES FOR PEOPLE WITH DISABILITIES	488
BUDGETBEE	491
VOICESTICK	494
SUPPER SOLE	495
EDUWISE PEN RECORDER	498
BHELP: THE 2-IN-1 BED AND WHEELCHAIR PROJECT	502
I-M-A-N APPROACH:	507
A CREATIVE METHOD TO TEACH AUTISTIC CHILDREN VERBAL COMMUNICATION	507
MFUMBRELLA	511
TEDDY GUARDIAN	514
SKIPPERS	519

PROSAFE: GUARDIAN GLOVE	523
ABLE APP	528
MONEY MASTER CALCULATOR: FINANCIAL CALCULATOR FOR BLIND OR VISION-	
IMPAIRED USERS	529
BANTU OKU APPLICATIONS	532
BOOKARMOR: A SUSTAINABLE SOLUTION FOR TEXTBOOKS LONGEVITY AND	
SUSTAINABILITY	535
MAGIC LIGHTERS	540
SKYSHIELD UMBRELLA	544
GLAMMIX	547
PAWTRACK HEALTH-GUARD	550
MONEYMINGLE: BRIDGING FINANCIAL LITERACY AND EXPERIENCE THROUGH	
INTERACTIVE LOAN EDUCATION APP	555
HOUSEHOLD LIFESTYLE : QUARTERCUT	562
WHEELCHAIR FOLDABLE TABLE	565
NAVIGATOR CANE	567
SILENT SPEAK CONNECT: YOUR BRIDGE IN BETTER HEARING	571
FINANCE BOARD GAME: CRITICAL THINKING FOR THE BLIND	575

ADVANCE SPEECH RECOGNITION	579
SENSORY KIT BOX	582
BRAILLE TABLET	585
BRAILLEFRESH: A BATHING INNOVATION ACCESSIBLE TO ALL	589
AIR UP FLAVOURED WATER BOTTLE	592
MYRELIEFF	597
ADAPTOWHEEL SMART WHEELCHAIR	598
MULTIFUNCTIONAL HEARING AIDS (AIDEWAY)	599
VOICESTICK	600
ABLE APP	601
GRABBYBITEZ	602
OKU SMART PARKING ASSISTANT	608
OBSTACLESENSE	612
VOLUNTEER FINDER APPLICATION	615
BAID: SMART HEARING AID WRISTBAND	618
MAKEUP BRUSH DRYER	622

UNIVERSE RING: EMPOWERING READING ACCESSIBILITY FOR PEOPLE WITH	
DISABILITIES	626
NEW PRODUCT DEVELOPMENT	630
SMART BRACELET (I-FIT)	631
COZYWRAP: TO SECURE AND PROTECT PATIENTS IN A COMFORTING WAY	634
COZEES, THE SELF-HEATING BLANKET	638
DYSCARD - DYSLEXIA-FRIENDLY CARD GAME	641
THE SPECTACLE SENSOR	644
LEXY LENSE	647
SNEAKSENSE SENSORY SHOE	650
CHROMAKIDS: KIDS COLOR BLINDNESS SPECTACLES	654
THE INTERACTIVE WEIGHTED LAP PAD WITH EMOTIONAL FEEDBACK	660
AI SMART RECITING BRAILLE QURAN PEN	662
QURANIC PILLOW	666
VISION VESSEL SMART BOTTLE	669
LAUNDRY BUTLER BY TIDYTOOLS	673
SMART WHEELCHAIR	676

DEAF PERSON GLASSES: MOUTH MOVEMENT TO SIGN LANGUAGE TRANSLATION	681
IDRINK COMPANY	683
SMART LASER FOR BLIND PEOPLE	686
INDIGO: SHADE OF DESIGN	688
SMART WHEELCHAIR	692
PORTABLE BLIND CANE	693
CARING-BASED EDUCATION PROGRAM MODULE FOR CRITICAL CARE NURSES	694
SPICES RACK WITH BRAILLE	697
MULTIFUNCTIONAL CLEANING STICK	702
COLOR-READING GLASSES	705
WHEELY BLISS	708
THE TALKING BUTTON	711
SIGNGEST-EMPOWERING THE DEAF AND BLIND COMMUNITY THROUGH GESTURI	Ξ-
CONTROLLED ACCESSIBILITY	714
FAIT: FINANCIAL AUTISM INSIGHT TOOL	718
BRAILLE SMART GLOVE	722
SEAT AND TRACK CART	726

INTELLICANE (SMARTCANE)	729
CYBERWHEEL PRO BY INTELLIGUIDE COMPANY	733
BRAILLETOUCH PRICEMARKERS	736
IMPROVISING FOGGING MACHINE DESIGN KEY CHARACTERISTIC THROUGH FUNDAMENTAL PERFORMANCES	741
BORNEAN CUISINE RESTAURANT	747
VOICE B	751
THE MULTIFUNCTIONAL BUZZER WATCH: A SOLUTION FOR DEAF PEOPLE	756
SEGRE-BAG: REVOLUTIONIZING WASTE MANAGEMENT THROUGH INNOVATIVE SEGREGATION	760
ACTIVRAY ADVANCE SKELETON	764
TECHNOLOGY INNOVATION SMART JEWELRY, LUMIÉRE ARMILLA	767
SANDAL MOP	770
BLINDGUIDE: MULTIPURPOSE PORTABLE STICK	774
SENSE SPEND: AI-ENHANCED FINANCIAL APPS FOR INDIVIDUALS WITH VISUAL IMPAIRMENTS	777
AUTO-UPDATE CONTAINER LIDS SCANNER WITH EXPIRATION DATE DISPLAY	786

SPREADING THE KNOWLEDGE: APPROACHING THE OBLIVIOUS ABOUT HIG	
SENSORY INPUTS	791
EZPASAR	795
TOUCHSENSE GLOVE	798
CARE WATCH	800
EZPLANABILITY	802
COZY CUP 312 CAFE	806
AUTISM SPECIALIZED BAND	809
MULTIPURPOSE UTENSIL	814
COMMUNITY AWARENESS TOWARDS DISABLED PERSON: OVERVIEW AT M	ALAYSIA
CHAPTER	816
RESQALERT	820
U&I	824
TRANSVISION: YOUR GLOBAL LENS	825
NOUR TRAVEL & TOURS	829
SMARTREACH	833
PMAS CARE : PARENTAL MONITORING AND SUPERVISION CARE	837

BODY N' MIND SPA	841
HUGGING CHAIR FOR AUTISM	845
OLA KINO - AN EMOTIONAL ASSISTANT APPLICATION	848
MASTER BRACELET	851
SIGNSENSE	853
SMATTRESS	855
MATH MIND MASTERKIT: REVOLUTIONIZING FINANCIAL EDUCATION FOR YOUNG	
MINDS THROUGH GAMIFIED LEARNING	859
CAMPUSHARE	864
ADAPTAWEAR CO.	867
EQUALEASE FINANCIAL SERVICES	871
DUMPSTERDOT.CO - BEYOND TOUCH: MOTION SENSOR TRASH CANS PWD-FRIEN	IDLY
WASTE MANAGEMENT INNOVATIONS	874
BUZZALERT	877
DIGITAL EYES SMART GLASSES TECHNOLOGY	880
CHILDREN EDUCATION CENTER	884
LEXIPLAY DYSLEXIA LEARNING ADVENTURES	887

SIGN TECH PRO	891
CLEANING SERVICES FOR PEOPLE WITH DISABILITIES	894
CAREWHEEL	897
EASYMOTION	901
NOURISHVITAL	904
BLINDCARE .JR	908
CARING CLEAN	911
COOKIESTER	914
SMARTCHEF PRO STOVE	918
VERSASTEADY WAND	921
ADHD FRIENDLY TOYS BY CALMMIND CREATION.CO	924
BRAILLE WATCH	928
JUNGLE MATCH	930
JÆPPY: THE MULTIPURPOSE JACKET	934
SMART DESK LAMP	938
ROAD CITY EXPRESS	941
PRIMEXWHEELS	945

SMART FRIDGE	948
PORTABLE THERMOS WATER HEATER	952
AUTOMATIC BABY AND PET FENCE	956
NEW TECHNOLOGY WHITE STICK	960
MOBILITY SHOWER SOLUTION FOR PEOPLE WITH DISABILITIES	963
ANGEL WHEELS	968
ACCESSIBLE WEALTH: PERSONALIZED FINANCE FOR EVERY ABILITY	972
EMO PET (PERSONALIZED VIRTUAL ASSISTANTS WITH EMOTIONAL INTELL	IGENCE)975
COOLFLOW SHIRT	979
MAYFAA TOTE BAG	982
SOLARSPRINT POWER BANK	986
HISTORIA INDONESIA WITH RPG GAME	990
FINEASE	994
EZCOMB	998
THE SENSESTICK GLOVES	1002
MAGIC WAND	1004
"VTOKU"	1007

HIGH-TECH HEXAGON FRIDGE	1012
MEMORA FRAME: REIMAGINE YOUR WALLS WITH A TOUCH OF TECHNOLOGY	1016
CAMOCULAR	1020
MATHSLEXIA	1024
"WHEELY: ADVANCE TECHNOLOGY ON TRADITIONAL WHEELCHAIR"	1028
SENSA STRAP: ENHANCING SAFETY FOR VISUALLY IMPAIRED	1032
DYXTAB: TRANSFORMING LEARNING FOR DYSLEXIC CHILDREN	1035
EZ PRINT (PRINTING VENDING MACHINE)	1039
PREP PANTRY	1043
WHEELCHAIR SECUREMENT SYSTEMS	1047
GOBRELLA	1050
SIPPY PRESS - LIFESTYLE	1054
NAVIGATE AID STICK	1058
LUMINA FAN	1062
BRISK-WALK TROLLEY ASSISTANCE: AN INNOVATIVE APPROACH FOR OBESITY	1070
RECOVERY	1070
PORTABLE MEDKIT	1074

ΤΙΟΥΚΙΤ	1077
BRAINWAVE: WHERE MAGIC MEETS NOTES - THE SMART NOTEBOOK WONDER	1081
TOURISM PLANNER APPLICATION	1084
SLEEPING HEADBAND	1088
TACTIBANCA: AUTOMATED TELLER MACHINE (ATM) FOR VISUALLY IMPAIRED	
INDIVIDUALS	1092
GINGER SURVIVOR	1096
BRAILLEPHABET PUZZLE BOOK	1098
HELMET WITH INTEGRATED AUGMENTED REALITY DISPLAY	1103
AUDIO VIEW	1106
BLUSCENT AIR CONDITIONER	1110
MULTIPURPOSE IRON BOARD	1114
LEAD	1117
MOMMY MAGIC	1121
ECHO CLASP	1125
BOTTOMUPZ: STUDENT-FRIENDLY SMART BOTTLE WITH TEMPERATURE DISPLAY	′ 112 8
FOLDABLE STICK WITH TUMBLER HOLDER	1131

SHOE CABINET WITH AUTOMATIC ODOR CONTROL AAIM SMART PILLOW BALBAT BEAUTY.CO 7IN1 MAKEUP PEN. VISION TECH SMART PORTABLE WARDROBE MOBILE EASE ONE	1134 1138 1141 1145 1148 1150
BALBAT BEAUTY.CO 7IN1 MAKEUP PEN. VISION TECH SMART PORTABLE WARDROBE	1141 1145 1148
VISION TECH SMART PORTABLE WARDROBE	1145 1148
SMART PORTABLE WARDROBE	1148
MOBILE EASE ONE	1150
BRAILLE MENU	1153
I-DETECTOR	1157
PENDIVE	1161
SMART SHOE FOR BLIND PERSON	1166
BRAILLE CHECKERS: AN INNOVATIVE BOARD GAME DESIGNED FOR THE VISUALL	Y
IMPAIRED, ENSURING FUN AND ACCESSIBILITY	1169
RAIN KIT	1172
MINDMINGLE: AN AI STUDY APP	1175
"WRITING MOUSE"	1178
MASSAGE CHAIR FOR PUBLIC USERS AND PERSONS WITH DISABILITIES	1181
SMART SPECTACLES	1185

POCKET IRON	1188
SMART ASSISTIVE WATCH	1192
ZEMAI'S ADJUSTABLE UMRAH CLOTHES	1195
SILENTVUE: ENHANCING THE WORLD FOR THE DEAF	1198
MAGNETOP	1203
JUTAWAN EXPRESS	1206
COSETTE BEAUTY & WELLNESS KIT *	1211
HIBISCUS INTELLIGENT AGING MASKER	1214
HIGH +	1216
SMART WINDOW	1219
APPLICATION FOR VISUALLY IMPAIRED	1223
SMART DISPENSER DUSTBIN	1226
EMERGENCY 2-IN-1 CLOTH_HIJAB SCAFT ZIPPER	1229
EMPOWERING AUTISTIC READERS: HARNESSING THE POWER OF VISUALS IN BO	OKS
	1234
CLOTHMATE SOLAR SPINNER	1237
FROZSCAN	1240

TEH TARIK MAHMUDI: MAXIMIZING COGNITIVE BENEFITS OF MORINGA OLEIFERA	١,
PLUKENETIA VOLUBILIS, AND ANDROGRAPHIS PANICULATA VIA CO-ENCAPSULA	
TECHNIQUE.	1245
KOPI ALA KAZIM: MOMORDICA CHARANTIA'S EXTRACTION OPTIMIZATION	1251
TEENYMOUTH: AN AT-HOME MOUTH PROP TO AID IN ORAL HYGIENE CARE FOR	
PERSONS WITH SPECIAL NEEDS	1256
FROSTBITE : A CHILLING TREAT	1260
DYSGRAPHIA SEVERITY CLASSIFICATION USING SUPPORT VECTOR MACHINE (S)	/M)
BASED ON AUTOMATED HANDWRITING IMAGE FEATURE EXTRACTION	1263
CELESTIAL (SUN CHARGER SLING BAG)	1268
THE LEVEL OF AWARENESS ON MENTAL HEALTH AND ITS IMPACT ON TIKTOK USI	ERS
	1272
AUTOMATIC DUO FOOD STIRRER	1275
WATER FILTER IMPLEMENTATION CAGE: MODULE OF CLEAN WATER AND	
AWARENESS FOR INDIGENOUS PEOPLE (ABL MODULE)	1278
GARDBOT : OUTDOOR VACUUM	1281
SENSORY STICK FOR VISUALLY IMPAIRED	1283
BUSINESS MODEL INNOVATION: STATIONERY VENDING MACHINE (SVM)	1286

THE LEVEL OF OF HEALTHCARE EDUCATION EFFECTIVENESS ON TIKTOK	1293
THE ACCEPTANCE OF TIKTOK AS A NEW LEARNING PLATFORM	1301
SMARTSNACK	1304
GARDENING HEDGE SHEARS	1307
WHEEL HOES	1311
TASBIH BRAILLE	1316
МҮՍТQН	1321
THE USAGE OF CHATGPT AS AN ALTERNATIVE WAY OF LEARNING	1325
THE LEVEL OF AWARENESS TOWARDS POSTPARTUM DISEASE IN MALAYSIA	1328
DEEP LEARNING BASED TRANSLATOR SYSTEM OF DYNAMIC SIGN LANGUAGE PATTERN	1331
AGUSTAN SYAMSUDDIN, RIDWANG, MAHARIDA, AHMAD RIJAL	1331
VOCABULARY VERSUS SOCIOCULTURAL KNOWLEDGE IN EFL READING	
COMPREHENSION	1332
SMARTMED BOX	1333
THE EFFECTIVENESS OF CONTENT CREATORS IN SPREADING POSITIVE INFLUE	NCE
TOWARDS TIKTOK USERS	1338
ICAR4	1341

AUTOMATIC WATERING SYSTEM USING AC DRAIN WATER	1347
STELLAR THE EXPLORER: YOUR HELPFUL COMPANION FOR SMOOTH INTI	ERNATIONAL
TRAVEL	1350
IS-TRACKER APP	1353
COUNTBUDDY	1362
STAIR ASSIST CANE LEVEL 5	1367
ITADS: INSTRUCTIONAL DESIGN FRAMEWORK FOR MALAYSIAN HEARING	-IMPAIRED
STUDENTS' INTERACTIVE MULTIMEDIA TEACHING AIDS	1371
PELAN FATWA: INOVASI WAKAF PAMPASAN KEMATIAN TAKAFUL DI FWD	TAKAFUL
BERHAD	1381
C.A.R.E	1386
FEELMART	1389
GESTURE-CONTROLLED PROSTHETICS	1392
AQUASTRIDER	1396
PROTOTYPE APPLICATION OF SIGN LANGUAGE HADITH FOR HEARING IM	PAIRED: FIVE
HADITHS FROM ARBAIN NAWAWIYAH'S BOOK	1401
SPECIAL EDUCATION CONTINUOUS TRAINING UNIVERSAL MODULE (SPE	CTRUM)
TOWARDS AN INCLUSIVE SOCIETY	1404

THE INNOVATION OF 8 NEW BRAILLE CODES FOR MASHAF AL-QUR	AN BRAILLE
MALAYSIA (MQBM)	1407
IN SIGHT ROLL	1411
FONT KOD TANGAN QURAN (KTQ)	1415
QURAN HAND CODE FONT	1415
INCLUSIVE DESIGN WORKSHOPS: EMPOWERING DESIGNERS AND	DEVELOPERS TO
CREATE ACCESSIBLE PRODUCTS	1418
OUR BATIK ESTETIKA ISTIMEWA (OBAETIBOX)	1422
PERANTI IQRABRAILLE - KURNIAAN DARIMU	1424
UTILIZATION OF VIDEO ASSETS IN PROMOTING TOURIST DESTINAT	IONS AND
PROCESSED TYPICAL TABAGSEL	1428
SALACHOLESTA (OBAT HERBAL KOLESTROL DARI KULIT SALAK) SE	BAGAI UPAYA
MENINGKATKAN KESEHATAN DAN PEREKONOMIAN DI KOTA PADA	NGSIDIMPUAN
	1429

Fait: Financial Autism Insight Tool

Muhammad Afif, Fadzlin Sakina, Ain Athirah, Atiqah Jamri, Aiman Hafiz & Maheran Katan

Faculty of Business and Management, Universiti Teknologi MARA (UiTM) Melaka, Bandaraya Melaka Campus, Jalan Hang Tuah, 75300 Melaka, Malaysia

afifawesome02@gmail.com

ABSTRACT

Personal financial management is always associated with normal society and is not particularly focused on people with disabilities, such as mild autism (level 1 autism spectrum disorder). Mild autism is a person who displays less intense autistic traits and requires less support than other autistic people do. These people are denied the opportunity to learn how to manage their own personal finances and must rely solely on their guardians. But we need to think about their future. This is to help them develop the ability to care for and manage their own finances without needing guidance. Furthermore, there is no innovation or application specifically designed for this group of people. Hence to improve, we used technology which is AI that would be the smart assistance called 'FAIT' which stands for Financial Autism Insight Tool. The FAIT application has been designed to guide a mild autistic user to learn about their spending habits, informing them on how much spending and savings they've made, and assist them to not overspending their money. FAIT can also remind users of any debt they did not complete or upcoming debt they need to complete. All of these features will be displayed creatively in order to attract them. This type of innovation can train and assist people with mild autism in gradually learning to manage their finances, as even if their autism is mild, they still struggle to understand certain concepts, particularly those related to personal finance.

Keywords: Mild Autistic, FAIT, Technology, AI, Assistant, Smart

1. **INTRODUCTION**

Personal finance management plays an essential part in daily life in our modern society, influencing everything from housing and education to healthcare and leisure. However, figuring out the specifics of money management can present particular difficulties for people dealing with a variety of illnesses or medical conditions. Besides acting as guardians of financial assets, banks need to provide some services and tools that help people manage wisely, even when faced with health-related difficulties. Our effort is to innovate this one specialized application to help "mild autism" people out there to be able to manage their finances.

Level 1 autism spectrum disorder is used to diagnose mild autism. It indicates that the individual doesn't have severe autism symptoms which means he or she requires less support than is usual for other autistic individuals. Even those with minimal support needs who are autistic still struggle to interact and communicate with others. We added an AI that would be a guide, especially for the "mild autism" users and this app is called 'Financial Autism Insight Tool (FAIT). Users will need to fill in their personal information like their phone number and their app account for FAIT to access their account and be able to communicate with the users more easily.

FAIT is meant to help users with their spending habits by providing guidance, reminders, and information about their expenses and savings. It also serves as a helpful reminder to users not to spend excessively. Users of FAIT can also be reminded of any outstanding or upcoming debt that needs to be paid off. Since even those with mild autism still struggle to understand certain things, this can also help them progressively learn how to manage their finances. When using FAIT, boomers or new users who are having problems can get help from the guide. We hope to point out the importance of inclusive banking practices in promoting financial empowerment and the overall well-being of people dealing with health issues.

2. **OBJECTIVE**

This project has various objectives, including (I) designing 'FAIT' known as the Financial Autism Insight Tool; and (II) helping persons with moderate autism manage their finances and understand some financial components.

3. NOVELTY & INVENTIVENESS

The creation of the "FAIT" smart financial assistant software, which is intended especially for people with moderate autism, demonstrates creativity and originality. By stressing the significance of giving them the ability to handle their finances on their own, this application seeks to address the dearth of resources for financial management specifically designed for this group of people. The utilization of AI technology to help consumers manage their finances, comprehend their spending patterns, and refrain from overspending is another innovative aspect of this product. The program also reminds users of impending or current debts, with the goal of progressively teaching and supporting people with moderate autism in handling their money. In addition to enabling people to manage their money more effectively, the paper emphasizes how the SORA can promote global financial inclusion and democratize access to financial services.

4. **PRACTICALITY & USEFULNESS**

The practicality and usefulness of FAIT lie in its ability to transform the way people with disabilities, particularly those with mild autism, interact with their finances. The application provides unparalleled convenience, accessibility, and innovation, allowing users to conduct various financial activities from their smartphones or tablets at any time and from any location. FAIT is designed to guide users in understanding their spending habits, managing savings, and avoiding overspending. It also provides reminders for outstanding or upcoming debts, aiming to gradually train and assist individuals with mild autism in managing their finances.

How does this artificial intelligence identify if an individual is considered an autistic citizen? Starting off with data collection where The AI tool collects data from user input based on self-assessment checklists or questionnaires. This could include questions about social interactions, communication styles, repetitive behaviors, and sensory sensitivities. The AI models would be trained on a diverse dataset of individuals with and without autism, including different age groups, genders, and ethnic backgrounds. The models would identify key features or patterns in the data that are indicative of autism. This could include social, communication, and behavioral patterns. The tool would provide feedback to the user based on the score, explaining the likelihood of autism and suggesting the next steps, especially in financial management.

The application's practicality and usefulness are further emphasized by its potential to democratize access to financial services, empower individuals to manage their finances more efficiently and drive global financial inclusion.

5. CONCLUSION

To summarize, this app can transform the way people with disabilities interact with their finances, providing unparalleled convenience, accessibility, and innovation. This application allows users to conduct various financial activities from their smartphones or tablets at any time and from any location. Hence, despite their disability, they also can manage their personal finances easily without any help from others and do not require any cost. In essence, this application is transforming the finance industry by democratizing access to financial services, empowering individuals to manage their finances more efficiently, and driving global financial inclusion. As we embrace the digital revolution, stakeholders such as financial institutions, regulators, and technology providers must work together to address challenges and maximize the potential of online apps in order to build a more inclusive and resilient financial ecosystem.