

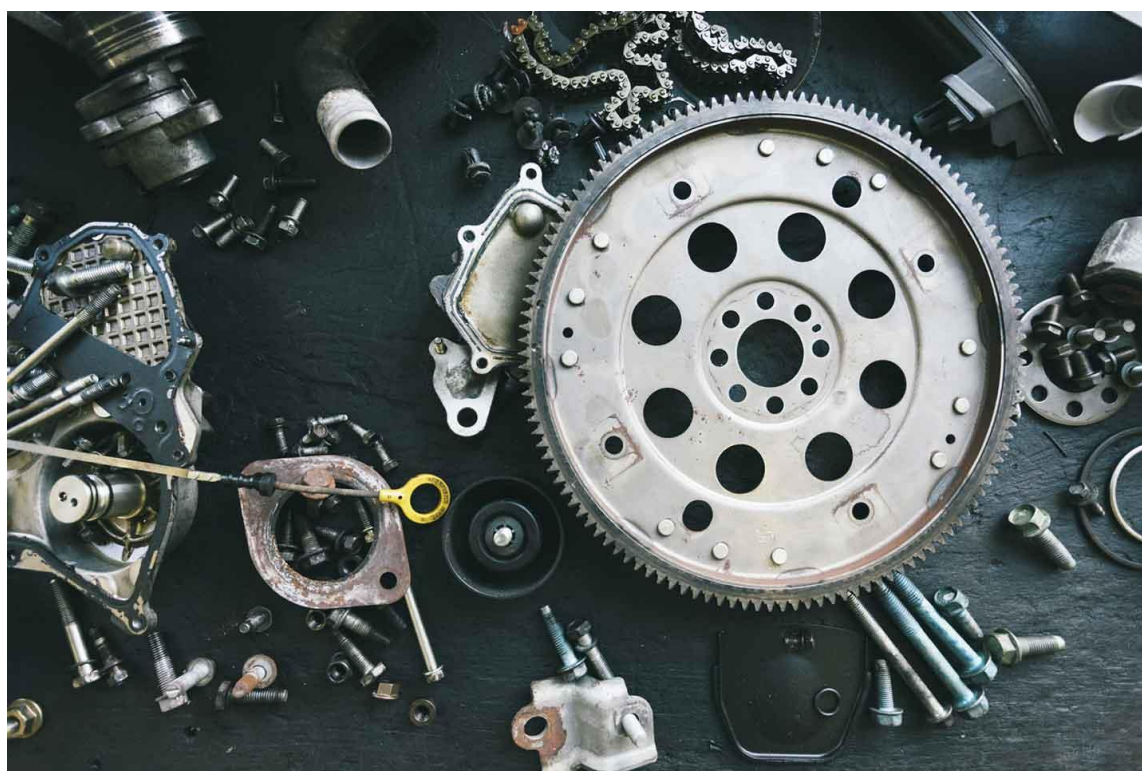
# HEALTH MATTERS

*Driving change in healthcare*

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## BOOK ON ARTIFICIAL INTELLIGENCE

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## **Chapter number 1 – introduction to accessibility**

In all the regions on the surface of the Earth, there are existences of the persons with disabilities. Disabilities such as visual impairment, hearing impairment, cognitive impairment, mobility impairment and so on and so forth.

The emerging technologies feature the digital technologies and the information and communication technologies that are subjected to provide mitigation solutions for these health defects.

The digital technologies provide assistance solutions for creating enabling platform channels of support to the specially – abled persons.

The term utilised for the objective of these types of innovative ideologies is “accessibility”.

The title of these product solutions is “Accessibility and inclusive development”!

## **Chapter number 2 – Introduction to artificial intelligence**

Assistive devices and medical care enabled product solutions create new entrepreneurship opportunities which create scalability of innovative ideologies and transformations of the medical facilities via the implementation of the information and communication technologies based product solutions.

Features of the specially – abled persons with the cognitive development and learning development ailments could utilize the assistive development solutions based on the emerging technologies and the latest frontiers of technology.

Product solutions built on the subject areas and the conceptual frameworks of the artificial intelligence create new and emerging markets.

Technology development and the evolution of the technologies could be the primary factor and the outcome!

### **Chapter number 3 – introduction to inclusive development**

Creation of a new inclusive society is primarily important.

The specially – able persons were once excluded from the main sections of the society. The necessary facilities and the opportunities were not provided.

Thus the new ideology of the inclusive development aims to bridge the gap and include those persons who were once previously isolated.

Thus leading to the ideology of “Leaving no – one behind”!

Also including these specially – abled persons in the main sections of the society.

Thus leading to the objective of enabling equal opportunities and mainstreaming of these people into the main sections of the society.

This leads to the conceptual frameworks of the inclusive economic development!

## **Chapter number 5 – innovative ideologies of the information and communication technologies**

An innovative ideology product solution is provided in the website URL and link which is mentioned here below :-

<https://climatechange612.wordpress.com/2021/07/06/business-to-business-to-consumer-online-marketplaces/>

## **Chapter number 5 – interlinkages of the digital technologies to artificial intelligence**

Medical care enabled product solutions would require the strategy of the technological intervention. Assistive devices and medical facilities would lead to the solutions of aid for the specially – abled persons.

The specially – abled persons with cognitive development issues would require thinking augmented capabilities.

Thought processes could be developed via the creation of the artificial intelligence product solutions.

Digital technologies solutions would be developed via the utilization of the subject areas and the conceptual frameworks of the artificial intelligence.

## **Chapter number 6 – Examples of the healthcare solutions**

The basic foundational idea is on the theories of Gene Expression fundamentals, representing the changes in the gene expression and changes in the neuronal genes in the HyperGES.

The study is about the basic required qualities in the animal crew neuronal genes which are missing in the microgravity and the hyper gravity.

Creating an innovative neural networks algorithm design to facilitate the generation of neuronal genes' qualities in the animals.

The biomedical – bioengineering device aims to map the functioning of the humans and augment and add the satellite phone's neural networks application to the animal crew on the HyperGES.

The study has to capture the complexities and the nature of change that could occur in neuronal genes when located in the microgravity.

Transformations in the scientific sectors could be the introduction of research areas of Neural Networks.

Introducing the digital technologies in the HyperGES facility. Addition of satellite phones.

Creation of neural networks applications in the satellite phones in the CubeSat deployment.

Creation and the development of a software language Neural Networks Gene expression language on the Satellite Phones. This is basically a new software language which creates a platform for building user – defined neural networks applications based on technologies that are implementable in the HyperGES.

Capacity – building in the areas of knowledge creation and education of the new software language development Neural Networks Gene expression language on the Satellite Phones. Creation of a complete list of topics basically for educational purposes on this new software language. This delivers a toolkit for the language. Then the various activities of the animal crew on the HyperGES is captured. For each of these activities, a use case design is created. Also all the use cases are linked which builds a product application. This product is implemented and executed on the Neural Networks Gene expression language on the Satellite Phones. This application is for the fundamental routine activities of the animal crew on the HyperGES. Then the variations and new types of activities – as required by the animal crew is studied. This is with the aid of data and information provided on those animal crew in the application product on the Satellite Phone, which is captured by a Virtual Reality software application via the automated visualizations capturing product. Then the product analyses this data/information and creates a new use case executable neural networks algorithm. These newly created activities are for the execution – at a later point in time, by the animal crew. Study of the mobile satellite services in low – earth – orbit and microgravity is performed. Then a validation is performed on the types of audio/ video/ data which could be handled by communications from Earth – to – space. Based on this validation, certain communications sessions are planned and executed from the Earth – to – the HyperGES i.e ground – based stations to the HyperGES experimental facility.

This could lead to the possibilities of innovative activities created on – the – fly by staff on the Earth which would require information transmission to the animal crew's Virtual Reality product on the HyperGES. These activities are communicated and transmitted via Satellite Communications to the animal crew on the HyperGES. This data is fed into the Satellite phone product application by the animal crew's Virtual Reality software application product. Data analysis of these newly created activities are performed in the Artificial Intelligence product [embedded in the Satellite Phone application suite of products]. Upon implementing the data analysis, results of use cases



algorithms are generated which are input into the satellite phone product application as neural networks algorithms – built on the Neural Networks Gene expression language on the Satellite Phones.

Then one – by – one, all the use cases which are developed in the Satellite Phone product, are displayed and described on the Satellite Phone display application. From the list of all these created activities and neural networks algorithms, the human crew is provided options to select any required use case. The selected use case and the neural networks algorithm is then executed – which enables the animal crew to add and augment his/ her neuronal genes expression's capabilities.

Thus creating Earth – like neuronal gene expression conditions and creating a health – balance return to the animal crew even in the locations of microgravity and on the HyperGES.

#### Educational toolkit

- 1) Learning tool on definition of use case and neural networks
- 2) Learning on types of input data to use cases
- 3) Learning on creating examples of querying on data present in use cases
- 4) Learning on gene expression calculations and mathematical derivations
- 5) Learning on the animal crew's gene expression qualities and also various types of qualities
- 6) Learning on changes in animal qualities in micro gravity, hyper gravity and Earth – like
- 7) Learning on creating graphical representation of the animal crew health parameters
- 8) Learning on creating Tableau Javascript API source code generation and utilization of the LabView software tool for the objective of implementation purposes

## **Chapter number 7 – Conclusion**

Privacy and protection of the health data of the specially – abled persons would be vital. To ensure the safety of this data, cybersecurity solutions would be integrated into the product solutions of the artificial intelligence.

The conceptual frameworks of the artificial intelligence and inclusive development leads to the creation of the telecommunications 5G and the emerging technologies.

Thus leading to the evolution of the digital technologies era!