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# Inclusive Pedagogy: Crucial to Increase Gross Enrolment Ratio in Higher Education Institutions

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## **Introduction**

National Education Policy (NEP) framed by Government of India in 2020 [1] aims at providing equitable access to the highest quality education for all learners regardless of social or economic background with particular focus on historically marginalized, disadvantaged, and underrepresented groups. It mainly focuses on multidisciplinary and a holistic education, flexibility to learners, creativity and critical thinking, ethics, human and constitutional values, life skills, formative assessment for learning, respecting for diversity in all curriculum, pedagogy, equity and inclusion.

The specific aim is to increase the Gross Enrolment Ratio in higher education including vocational education from 26.3% (2018) to 50% by 2035 through creation of Multidisciplinary Institutions and providing equitable access to quality education to all students, with a special emphasis on underprivileged and Socio-Economically Disadvantaged Groups (SEDGs).

The diversity of the students in Higher Education Institutions (HEIs) would increase with the implementation of NEP 2020. Usually, the diversity of the students refers to differences in disability, gender, race, religion, etc. However, it also refers to many other differences in terms of social status, sexual orientation, age, student status (First-generation students), personality type, etc.

Therefore, a wide range of diversity factors should be considered to address the needs of large number of students enrolled in Multi-disciplinary institutions or Universities. In view of this, the future set of HEIs should be ready to develop responsive and inclusive environment in the campus ensuring access of education to all the students on equitable basis.

The idea of inclusive pedagogy is grounded with the belief that all students are capable to reach the high expectations and goals we set. There are always some external barriers which prevent students from being successful. Therefore, it is necessary to create a learning environment that provides multiple pathways for students to reach their goals. NEP 2020 offers opportunities for students to have choice in learning of different courses and programmes. Similarly, the opportunities should be provided to students to select their choice of demonstrating their learning and performance in the selected courses.

In literature, there are many pedagogical studies [2-6] suggesting various framework and learning theories related to inclusive approach of learning activities and feedback. However, there are few studies particularly on inclusive approach of assessment. Craddock and Mathias [7] suggested to adopt the practice of providing of assessment options to students; however, they noted that the assessment process is little

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# Transmission Line Fault Detection and Classification: ANN Approach


Conference paper | First Online: 19 November 2023

pp 97–105 | [Cite this conference paper](#)



## Techno-Societal 2022

(ICATSA 2022)

[Vaibhav A. Ghodeswar](#)  & [Mirza A. Beg](#)

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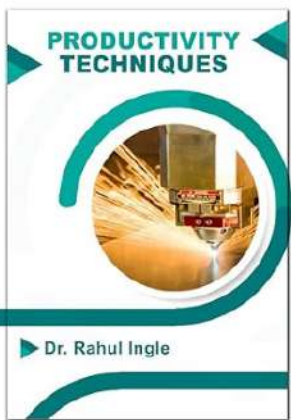
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(Indonesia Center of Technology Empowerment, Indonesia)

**Dr. J. M. Chandra Kishen**  
(Professor, IISc Bangalore, India)

## Keynote Speakers

**Ashok Ranade**  
(Project Advisor, Training and Support Services for New High Tech Global Startups, Canada)

**Dr. Dhananjay Tambe**  
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4<sup>th</sup> International Conference  
on

**“Advanced Technologies for Societal Applications”**

## Certificate

This is to certify that VAIBHAV ASHOK GHODESWAR of Mauli Group of Institutions College of Engineering and Technology, Shegaon has presented a research paper entitled Transmission line fault detection and classification: ANN Approach (Paper ID-883) in the International Conference on “Advanced Technologies for Societal Applications: Techno-Societal 2022”, held at Shri Vithal Education & Research Institute (SVERI), Pandharpur, India during 9<sup>th</sup> - 10<sup>th</sup> December 2022.

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## Machine Learning Approach for Medical Diagnosis Based on Prediction Model

Hemant Kasturiwale ✉, Rajesh Karhe, Hemant Kasturiwale

Book Editor(s): Tushar H. Jaware, K. Sarat Kumar, Ravindra D. Badgujar, Svetlin Antonov

First published: 29 May 2022

<https://doi.org/10.1002/9781119819165.ch1>

### Summary

The electrocardiography is the most crucial biosignals for critical analysis of the heart. The heart is the human body's most vital and variety of control mechanisms that regulate the heart's activities. The heart rate is an essential measure of cardiac function. The heart rate is represented as a time interval equal between two corresponding electrocardiogram (ECG) "R" peaks. The heart rate varies with the heart's state. A machine learning technique is used to categorize the statistical parameters mentioned above to predict the individual's physical state, including sleep, examination, and exercise, based on a physiologically important factor known as HRV. The chapter is focused on uses of manual classified data. Each hospital, clinic, and diagnostic center produces massive quantities of information such as patient records and test results to predict the presence of heart disease and provide care for the early stages. The results are validated and compared with predictions obtained from different algorithms. Classification and prediction are a mining technique that uses training data to construct a model, and then, that model is applied to test data to predict outcomes. Different algorithms are employed to disease datasets to diagnose chronic disease, and the findings have been positive. There is a need to establish an appropriate technique for the diagnosis of chronic diseases. This chapter discusses with insight various kinds of classification schemes for chronic disease prediction. Here, readers will come to choice know machine learning and classifiers made to get knowledge out of datasets.



# Certificate

We are pleased to award this certificate to

**Mr. Pravin V. Thakare**

For contributing the research paper entitled  
Summarization and Timeline Generation Over Evolutionary Tweet Streams

in  
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"TECHNOLOGY FOR SUSTAINABLE RURAL DEVELOPMENT"

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This is to certify **Pravin Vijay Thakare** of Sipna College of Engineering and Technology, Amravati has contributed the paper titled “Design and Implementation of Framework on Summarisation of Tweet Stream” in AICTE sponsored National Conference on **Multidisciplinary Research and Innovation-21 (NCMRAI-21)** organized by Department of Electronics and Telecommunication Engineering, Sipna College of Engineering & Technology, Amravati held during 28-29 January 2022.

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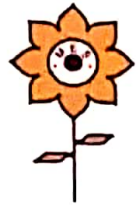


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From

Mauli Group of Institution's College of Engineering & Technology, Shegaon, Maharashtra.

For successful participation in the conference and presenting a paper titled  
*Secured Communication Through The Steganography Technique*

Dr. P. S. Goyal  
Secretary, CTFC-2021

Dr. Sandeep M. Joshi  
Convener, CTFC-2021 and Principal, PCE