



# SymbiVation

*Insight of Glimshim at SIT*





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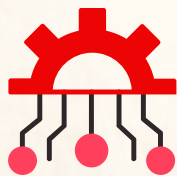
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**MoU was signed between TIE Nagpur and SIT, Nagpur**


November 4, 2023: Symbiosis Institute of Technology (SIT), Nagpur inaugurated its Entrepreneurship Cell during the institute's Entrepreneurship Meet.

A MoU was signed between TIE Nagpur and Symbiosis Institute of Technology, Nagpur at the inaugural event. Dr. Nitin Rakesh, Director of Symbiosis Institute of Technology, Nagpur, addressed the gathering and emphasised the importance of entrepreneurship for the young generation, which will benefit Nagpur city and the country. Mr Nitin Sachdeva, President of TIE, also appreciated this initiative by Symbiosis for the development of the country. Professor Yogesh Brahmkar, CEO of Symbiosis Centre for Entrepreneurship and Innovation; Mr. Alisager Wagh, C&F Parle Biscuits Pvt. Ltd, an alumnus of Symbiosis International University; and other distinguished directors from the Symbiosis campus in Nagpur attended the event.

**TheHitavada**  
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ehitavada.com

## TiE Nagpur, Symbiosis Institute of Technology sign MoU

■ Business Reporter



TiE Nagpur (TIE) and Symbiosis Institute of Technology (SIT), Nagpur and Symbiosis Centre for Entrepreneurship and Innovation, Pune signed a memorandum of understanding (MoU) signifying a strategic partnership to boost innovation and entrepreneurship.

On the occasion, the agreement was signed by Nitin Sachdeva, President of TIE Nagpur and Managing Director - delaPlex, Dr Nitin Rakesh, activities in these domains. A highlight of the event was the inauguration of the To streamline entrepreneurship-related operations, TIE Nagpur has been allocated a



**लोकमत समाचार**

### एसआईटी और टीआईई के बीच एक एमओयू पर हस्ताक्षर



नागपुर: इंस्टीट्यूट्स एंटरप्रेन्योरशिप मीट के दौरान सिवियोलिस इंस्टीट्यूट ऑफ टेक्नोलॉजी (एसआईटी) ने अपने एंटरप्रेन्योरशिप सेल का उद्घाटन किया. इस दौरान एसआईटी और टीआईई के बीच एक एमओयू पर हस्ताक्षर किए गए. एसआईटी के डायरेक्टर नितिन राकेश ने उद्यमिता की आवश्यकता के विषय पर संबोधित कर विद्यार्थियों का मार्गदर्शन किया. टीआईई के अध्यक्ष नितिन सचदेव ने एसआईटी की पहल की सराहना की. इस मौके पर एसआईटी के सीईओ योगेश ब्राह्मकर, सीईएफ पार्ले बिस्कुट के अलीसगर वाघ आदि मौजूद थे.

Apna Nagpur  
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## New Learning Partners

Collaboration with



Red Hat Academy



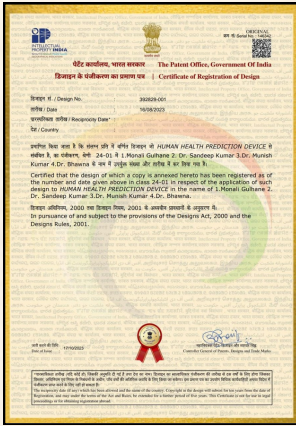
for Industry Oriented Professional Certification

## Learning Partners





## Research Patent Granted



**"Human Health Prediction Device"**  
Inventor- Prof. Monali Gulhane



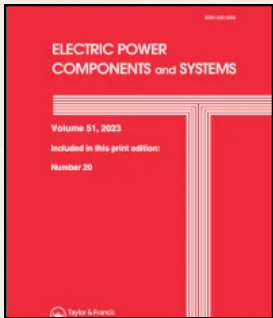
**"Network Analyzer"**  
Inventor- Dr. Pradnya Borkar



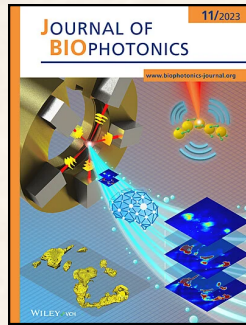
**"Window Cleaning Device"**  
Inventor- Dr. Nilesh Shelke, Dr. Pradnya Borkar, Prof. Monali Gulhane

## Research Papers Published

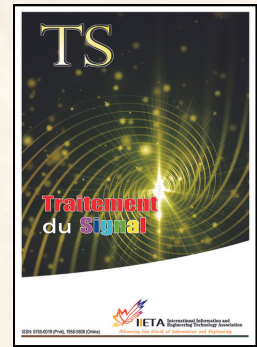
### Web of Science Journal



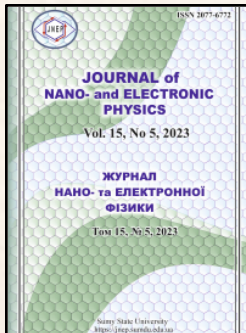
**"Enhanced Power Quality and Forecasting for PV-Wind Microgrid Using Proactive Shunt Power Filter and Neural Network-Based Time Series Forecasting"**  
Author- Dr. Latika Pinjarkar



**"Remote Photoplethysmography-based human vital sign prediction using cyclical Algorithm"**  
Author- Dr. Sagarkumar Badhiye



**"Brain Tumor Detection Using Advanced Deep Learning Implementations"**  
Author- Dr. Gagandeep Kaur

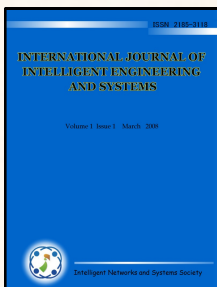


**"Low Energy Based Optimization for IoT Applications Using Super Nodes in Sensor Network"**  
Author- Dr. Sudhanshu Maurya

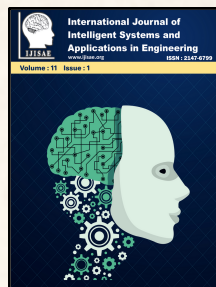


**"KILO - Fitness application with posture estimation"**  
Author- Dr. Gagandeep Kaur

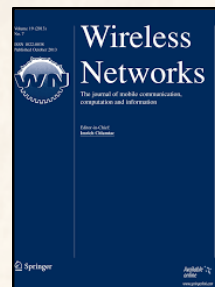
### SCOPUS Journal



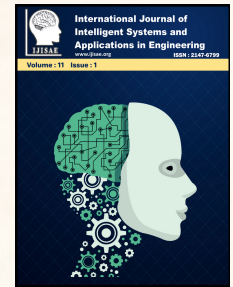
**"Experimental Analysis of Heart Disease Prediction Using Machine Learning with Emphasis on Hyper Parameter Tuning and Recursive Feature Elimination"**  
Author- Dr. Sagarkumar Badhiye, Dr. Pradnya Borkar



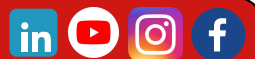
**"Image Captioning Using ResNet RS and Attention Mechanism"**  
Author- Dr. Pradnya Borkar



**"Radial basis function neural network-based algorithm unfolding for energy-aware resource allocation in wireless networks"**  
Author- Dr. Nilesh Shelke



**"Depression Therapy Chat-Bot using Natural Language Processing"**  
Author- Prof. Monali Gulhane

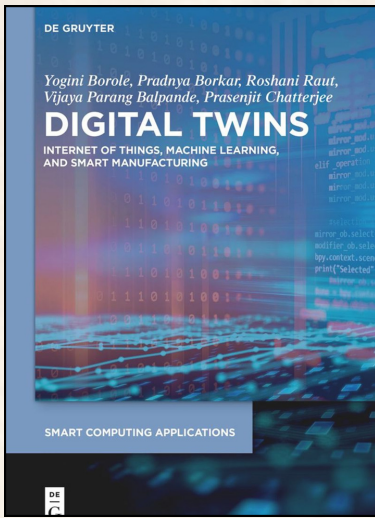




## Conference Papers Presented/Published

- Effortless Attendance Management: Unleashing Advanced Face Detection and Recognition in an Automated System by Monali Gulhane in 10th IEEE UP Section International Conference on Electrical, Electronics and Computer Engineering
- An Empirical Analysis of Machine Learning Models with Performance Comparison and Insights for Heart Disease Prediction by Pradnya Borkar in 3rd International Conference on Technological Advancements in Computational Sciences
- Deep Learning based Heart Diseases Detection using ResNet50 Architecture by Monali Gulhane Published in: 2023 Intelligent Methods, Systems, and Applications (IMSA)
- Application and Issues of Blockchain Technology, by Dr. Sudhanshu Maurya, 5th IEEE International Conference on Inventive Research in Computing Applications (ICIRCA), Coimbatore, India.

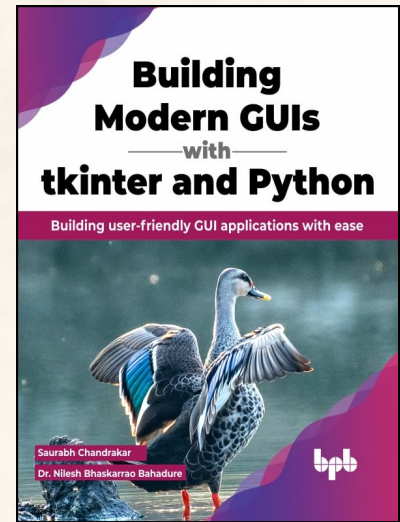
## Research Book Published



Author :- Dr. Pradnya Borkar



Author :- Dr. Sudhanshu Maurya



Author :- Dr. Nitesh Bahadure

## Research Book Coming Soon...

**CALL FOR BOOK CHAPTERS**  
CRC Press  
Taylor & Francis Group

**BOOK TITLE: PARALLEL AND HIGH PERFORMANCE COMPUTING IN ARTIFICIAL INTELLIGENCE**

**Publisher:** Walter de Gruyter LLC, Chestnut Landing, Heli, CRC Press, Florida, USA. It is a premier global publisher in science, technology, and medical resources.

**Important Dates:**  
Final Chapter Submission: 20th December 2023  
Notification of Acceptance: 25 October 2023  
Full Chapter (8,000-10,000 words) Submission: 15th January 2024

**Topics, but not limited to:**  
• High-Performance Computing Architecture  
• Performance Analysis in Parallel Computing  
• GPU in Big Data, AI, and Acceleration Technology  
• High-Performance Computing in Artificial Intelligence and ML Applications  
• High-Performance Computing in Medical and Healthcare Applications  
• Artificial Intelligence in Industry: An approach to Automation  
• Vision Intelligence with AI  
• Implementation of Deep Learning with AI  
• Artificial Intelligence in Big Data Analytics  
• Loss of Parallel Techniques in AI and ML  
• Case Study  
• Usage of AI, Artificial Intelligence and Machine Learning with AI Challenges and Issues  
• Deep Learning and Edge Computing with AI

**Editors:**  
Dr. Indresh Bhagwanrao Professor and Director, Tatyasaheb Kore Institute of Technology, Nagpur, India  
Dr. Pradnya Borkar, Symbols Institute of Technology, Nagpur, India  
Dr. Rishi Jaiswal, School of Technology, Parag Dronacharya Energy Research & Development, India

**For Author Guidelines:**  
<https://files.google.com/4xw/vsp/book>

**For Book Submission:**  
[pradnya@symbols.in](mailto:pradnya@symbols.in)

**COMPUTATIONAL APPROACHES IN BIOMATERIALS AND BIOMEDICAL ENGINEERING APPLICATIONS**

**Edited by:**  
Pranav Deepak Pathak, Roshani Raut, Subhanshu Jaramilo-Isaza, Pradnya Borkar and Rishi H. Jaiswal

**CRC Press**

**WILEY**

**Genomics at the Nexus of AI, Computer Vision & Machine Learning**

**CALL FOR BOOK CHAPTERS**

**CHAPTER TITLE WITH MAJOR TOPICS**

**EDITORS:**  
Dr. Shilpa Choudhary, Professor, Department of Biotechnology, Singapore Institute of Technology, Singapore, India  
Dr. Sandeep Kumar, Associate Professor, Department of Education, Government College of Education, Mysore, India  
Dr. R. Suresh, Associate Professor, Department of Engineering & Technology, Government College of Engineering, Mysore, India  
Dr. Nitesh Bahadure, Associate Professor, Department of Engineering & Technology, Government College of Engineering, Mysore, India  
Dr. R. Sri Lakshmi, Head, Department of Biotechnology, Government College of Engineering, Mysore, India

**Call For Book Chapters**  
Book Title: *Reversible Circuits, Systems and Applications*  
Publisher: CRC Press: Taylor & Francis Group  
Final Book Publication: 2023

**Scopus Index**

**No Publication Charges**

**ABOUT THE EDITORS**  
Dr. Hemant Madhwaraj, Associate Professor, Symbols Institute of Technology, Nagpur, India

**Important Dates:**  
Proposal Submission Deadline: 30 September 2023  
Notification of Acceptance: 15 October 2023  
Full Chapter Submission: 25 October 2023  
Review Results Returned: 10 December 2023  
Revised Chapter Submission: 20th December 2023

**Python GUI with PyQt**

**Python GUI with PyQt**  
Learn to build modern and stunning GUIs in Python with PyQt5 and Qt Designer

**Authors:**  
Saurabh Chandrakar, Dr. Nitesh Bhaskarrao Bahadure

**BPB PUBLICATIONS**





**Expert Talk Delievered**



Expert Session on "Introduction to MongoDB" at G.H.Raisoni College of Engineering, Nagpur by: Dr. Pradnya Borkar



Expert Session on "Web Development using HTML, CSS & Javascript" at St.Vincent Pallotti College of Engineering, Nagpur by: Prof. Monali Gulhane



Expert Session on "Laser colliding plasmas, towards Medical/Industrial Applications" by: Dr. Pramod Pandey at ICMSEEH-23, Pandit Deendayal Energy University, Gujarat

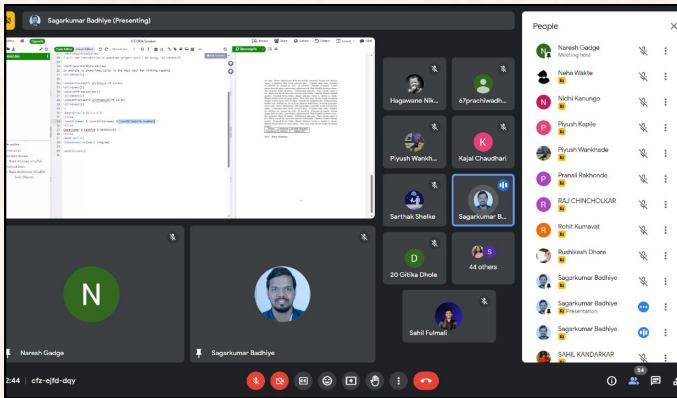
**ASCIS 2023**

**Marwadi University**  
Marwadi Chandarana Group

**BLOCKCHAIN INTEGRATED SECURITY SOLUTIONS FOR INTERNET OF DRONES (IOD)**

DR SUDHANSHU MAURYA

Keynote Speaker on "Blockchain integrated Security Solutions for Internet of Drones" by Dr. Sudhanshu Maurya at 2nd International Conference on Advancement in Smart Computing & Information Security (ASCIS 2023) Gujarat



Expert Session on "Report Writing in LaTeX" by: Dr. Sagarkumar Badhiye at Government Engineering College Amravati

GPS Map Camera

Babhulgaon, Maharashtra, India  
P33V+M7Q, Babhulgaon, Maharashtra 444104, India

Expert Session on "IOT & Cloud Analytics in Healthcare Systems" by Dr. Pratik Agrawal at College of Engineering Akola



Expert Session on "Basics of Artificial Intelligence (AI) applications in Internet of Things (IOT)" by: Dr. Latika Pinjarkar at Guru Nanak Institute of Engineering and Technology, Nagpur

**NATIONAL INSTITUTE OF TECHNOLOGY RAIPUR**  
 Continuing Education Cell (CEC)  
 Department of Information Technology

Certificate Course

ON

"Applied Data Analytics: A Practical Approach"

Expert Session on "Applied Data Analytics: A Practical Approach" by: Dr. Sagarkumar Badhiye, Prof. Monali Gulhane at National Institute of Technology Raipur







Session Chair at Prestigious Technical Event

1st-3rd November 2023

# ICTACS – 2023

The Conference the technically sponsored by IEEE region 8 (Europe, Middle East, and Africa) and IEEE Kazakhstan

The conference is in Hybrid mode. The presentation will be allowed for online/Offline mode.

TECHNICALLY CO-SPONSORED BY



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KAZAKHSTAN SUBSECTION  
IEEE CONFERENCE RECORD NUMBER #59847

All accepted & presented papers of the Conference by duly registered authors, will be submitted to IEEE Xplore Digital Library for inclusion.

3rd International Conference on Technological Advancements in Computational Sciences (ICTACS - 2023)



EAI Proceedings



# MLADA

## EAI MLADA 2023

EAI International Conference on Machine Learning And Applied Data Analytics

**Welcomes**



**Dr. Jagdish Chandra Patni**  
Professor, Symbiosis International Deemed University, Pune, India  
AS THE  
**Session Chair**

EAI COMMUNITY THAT BUILDS YOUR CAREER  
Collaborative research. Objective evaluation. Fair recognition.



OPJU  
UNIVERSITY OF STEEL TECHNOLOGY AND MANAGEMENT



## 6th International Conference on Information Systems and Management Science ISMS 2023

23-24 December 2023, Raipur, India

Session Chaired by



**Dr. Jagdish Chandra Patni**  
Professor,  
Symbiosis Institute of Technology, Nagpur Campus,  
Symbiosis International (Deemed University), Pune, India



## Faculty Achievement

### CONGRATULATIONS



**DR. SUDHANSHU MAURYA**  
Associate Professor

Elevated to grade of **IEEE Senior Member**  
Only top 10% of more than 400,000 members have achieved this level



Advancing Technology for Humanity





## FACULTY DEVELOPMENT PROGRAM ORGANIZED



Symbiosis Institute of Technology, Nagpur



### Five Days Faculty Development Program

on

### HIGH PERFORMANCE COMPUTING

11 Dec to 15 Dec 2023

Organized by,

Symbiosis Institute of Technology, Nagpur

&

Symbiosis Teaching Learning Resource Centre (STLRC), Pune





**Mr. Mayank tripathi (SIU Rank-1)**  
**Best Swimmer of the Tournament**  
**Won 5 Gold Medals and 1 Bronze**

**Ms. Pinak Rokde (SIU Rank-1)**  
**Badminton**



**Ms. Sania Rahata (SIU Rank- 3)**  
**Badminton**

**Ms. Khushi Dekate (SIU Rank-3)**  
**Table Tennis**



**Mr. Soham Pathak (SIU Rank-5)**  
**Yoga**

**Mr. Harsh Motghare (SIU Rank-8)**  
**Chess**



**CONGRATS**

**SIT IS PROUD OF YOU!**

**SPORTS**





INDUSTRIAL VIST AT HCL & INFOCEPTS NAGPUR



Mr. Anand Dhupal, Expert Persistent



Mr. Ketan Petankar, Expert Converge AI



Persistent

INFOCEPTS Foundation

CIFIT  
CRYPTO FORENSIC TECHNOLOGY

HCL

TPG

TPG Software Pvt. Ltd., New Delhi



Industry Expert in "TECH\_TALK CONCLAVE 2023"

Konverge AI

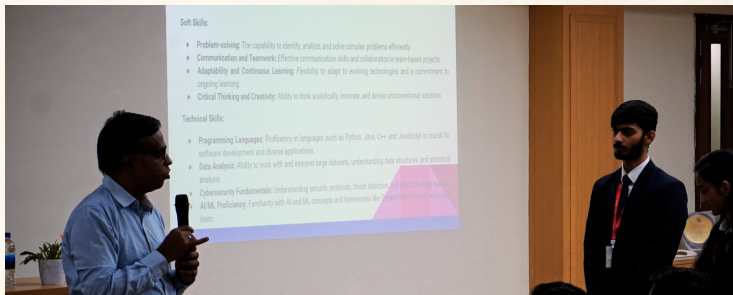




INFOSYS DELEGATES AT SIT NAGPUR



HCL DELEGATES AT SIT NAGPUR





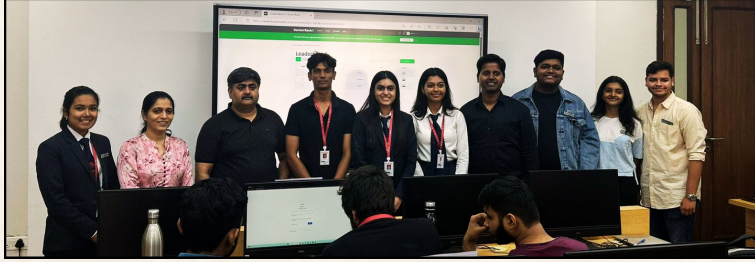
# Society Connect





# HACK - O - WEEK

Innovation are appreciated!



## SYMBIOSIS INSTITUTE OF TECHNOLOGY





**Symbiosis Institute of Technology**  
**Wathoda, Nagpur - 440008**  
**<https://sitnagpur.edu.in/>**