



SymbiVation

Insight of Glimshim at SIT

Happy
Holi
TO YOU ALL





FOUNDER & PRESIDENT
Dr.S.B.Mujumdar



THE VICE CHANCELLOR
Dr. Ramakrishnan Raman



PRO CHANCELLOR & PRINCIPAL DIRECTOR
Dr. Vidya Yeravdekar

Editor in Chief



Prof. (Dr.) Nitin Rakesh
Director and Professor

Editorial Board



Dr. Pratik K Agrawal
Assistant Professor, SIT Nagpur



Prof. Monali Gulhane
Teaching Associate, SIT Nagpur



Dr. Heranmoy Maity
Assistant Professor, SIT Nagpur

Associate Editorial Board



Dr. Sudhanshu Maurya
Associate Professor, SIT Nagpur



Dr. Poorva Agrawal
Assistant Professor, Nagpur



Dr. Pradnya S Borkar
Assistant Professor, Nagpur

Student Editorial Board



Mr. Rishikesh Kumbhalkar
SRC President, SIT Nagpur



Mr. Chintamani Choudhari
SRC Vice-President, SIT Nagpur



Ms. Astha Chopade
SRC Member, SIT Nagpur



Ms. Sankruti Nekar
SRC Member, SIT Nagpur

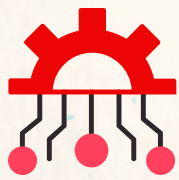


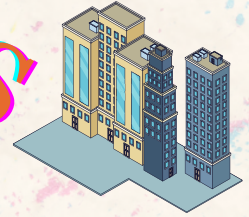
TABLE OF CONTENT



Entrepreneurship Development “Shaping Tomorrow”	01
Exploring Innovations & Research "Innovation Insights"	04
Success Stories “Students Achievements”	07
Event Extravaganza "Eventful Echoes"	08
Intra-Extra Activities: "Shaping Tomorrow Together"	10



CONGRATULATIONS



Mr. Amritansh Singh
Kelicalix Technologies Pvt. Ltd

Mr. Siddhant Shende
AEIV Global Pvt.Ltd.



Notable Entrepreneurial Achievements "Commencing the Registration of their Companies"



Discussing SIT Startups with the Honorable Shri. Devendra Fadnavis, Deputy Chief Minister (MS) at the State Level Event during the Nagpur Startup Expo 2023.





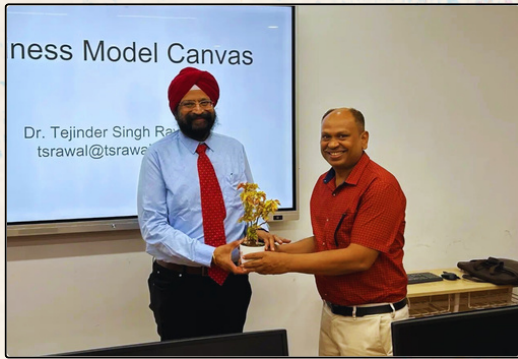
Insights from an Entrepreneur: Special Guest Lecture Series



"Realities and Legalities of Startups" by Mr. Ravi Bhardwaj, Founder, Legal Startup



"Registration of various types of companies" by Mr. Avinash Gandhewar, CA



"Business Model Canvas" by Dr. Tejinder Singh Rawal (Sr. Partner at TS Rawal & Co.)



"Team Management & Contract Delegation" by Mr. Nitin Sachdeva, President, TIE, Nagpur and MD, DelaPlex



"Intricacies of Startups and the Cyber Security" by Mr. Nitish Goyal, a seasoned Director at RNR Consulting Pvt Ltd



"Master the Numbers: Demystify Startup Finance; Build a Winning Financial Model" by Ms. Neeraja Kartik, Insolvency Professional.



"Conquer the Market: Craft your go-to-market strategy & track success with key metrics" by Mr. Ajit Dharmik, Director, 6 Simplex



"Design Thinking" by Mr. Abheejit K (Head - Product, ImmverseAI)



"Minimal Viable Product" by Mr. Abhijit Raut, Founder & Adviser, 3D Innovators



"Strategies for Building a Successful MVP" by Mr. Dheeraj Bhagat, Co-Founder and Director Technology, Great Place IT Services Pvt Ltd



"The Quirky Adventure of Building Your Own Path" by Mr. Aliasagar Wagh, Owner, Alpha Agencies





Entrepreneurial Hopefuls: Pitching a Storm of Ideas



"It's not about ideas. It's about making ideas happen." – Scott Branson





Exploring Faculty Contributions: Research Highlights and Publications



Prof. (Dr.) Nitin Rakesh

- Prediction of Air Quality Index using SVR Machine Learning Model and Analyzing Hazards Arising from Thermal Power Plants, International Journal of Intelligent Systems and Applications in Engineering, 2024, 12(13s), pp. 603–608
- Remote Sensing for Agriculture in the Era of Industry 5.0—A Survey. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing. PP. 1-27. 10.1109/JSTARS.2024.3370508
- Telco Customer Churn Prediction Using ML Models, International Journal of Intelligent Systems and Applications in Engineering, 2024, 12(2), pp. 644–653
- A Novel Data Preprocessing Model for Lightweight Sensory IoT Intrusion Detection, International Journal of Mathematical, Engineering and Management Sciences, 2024, 9(1), pp. 188–204

- Intelligent fruit quality classification system using transfer learning, Journal of Autonomous Intelligence, 2024, 7(4), 1424
- Energy-Efficient Self-Supervised Technique to Identify Abnormal User Over 5G Network for E-Commerce, IEEE Transactions on Consumer Electronics, 2024



Prof. (Dr.) Jagdish Patni



Dr. Latika Pinjarkar

- Predictive Modeling of Bitcoin Prices using Machine Learning Techniques, International Journal of Intelligent Systems and Applications in Engineering, 2024, 12(17s), pp. 578–586

- Development of a Temporal Analysis Model Augmented for Disease Progression Identification through Multiparametric Analysis, International Journal of Intelligent Systems and Applications in Engineering, 2024, 12(2), pp. 620–634
- Advanced Direction-of-Arrival Estimation in Coprime Arrays via Adaptive Nyström Spectral Analysis IEEE Sensors Letters, 2024, 8(2), 7001204.
- Prediction of Air Quality Index using SVR Machine Learning Model and Analyzing Hazards Arising from Thermal Power Plants, International Journal of Intelligent Systems and Applications in Engineering, 2024.
- Telco Customer Churn Prediction Using ML Models, International Journal of Intelligent Systems and Applications in Engineering, 2024, 12(2), pp. 644–653
- Balancing of Load in Smart Grid Environment Using Cloud Computing, International Journal of Intelligent Systems and Applications in Engineering, 2024, 12(7s), pp. 98–103
- Tribology of Spray Formed Aluminium-Based Materials, Springer Proceedings in Materials, 2024, 37, pp. 173–182



Dr. Sudhanshu Maurya



Dr. Nilesh Shelke

- Development of a Temporal Analysis Model Augmented for Disease Progression Identification through Multiparametric Analysis, International Journal of Intelligent Systems and Applications in Engineering, 2024, 12(2), pp. 620–634
- Telco Customer Churn Prediction Using ML Models, International Journal of Intelligent Systems and Applications in Engineering, 2024, 12(2), pp. 644–653
- Advancements in Computing: Emerging Trends in Computational Science with Next-Generation Computing, International Journal of Intelligent Systems and Applications in Engineering, 2024, 12(7s), pp. 546–559

- Predictive Modeling of Bitcoin Prices using Machine Learning Techniques, International Journal of Intelligent Systems and Applications in Engineering, 2024, 12(17s), pp. 578–586
- Employing CNN Features for Automated Brain Tumor Classification in MRI, International Journal of Intelligent Systems and Applications in Engineering, 2024, 12(11s), pp. 380–386



Dr. Poorva Agrawal



Exploring Faculty Contributions: Research Highlights and Publications

- Accelerating prediction of RNA secondary structure using parallelization on multicore architecture, Sadhana - Academy Proceedings in Engineering Sciences, 2024, 49(1), 6
- Choosing a Suitable Consensus Algorithm for Blockchain Applications: A Review of Factors and Challenges, International Journal of Intelligent Systems and Applications in Engineering, 2024, 12(10s), pp. 333–341
- Depression Therapy Chat-Bot using Natural Language Processing, International Journal of Intelligent Systems and Applications in Engineering, 2024, 12(2s), pp. 181–187
- Quantum Computing Threats: Study the Potential Threats that Quantum Computing Poses to Blockchain Security, International Journal of Intelligent Systems and Applications in Engineering, 2024, 12(10s), pp. 342–348



Dr. Pradnya Borkar



Dr. Sagarkumar Badhiye

- Mangrulkar, N., Singh, K., Badhiye, S., Optimization Strategies for Performance Enhancement of Packrat Parsers, International Journal of Intelligent Systems and Applications in Engineering, 2024, 12(17s), pp. 781–785
- Gadge, K., Borkar, P., Daduria, S., ...Sarodaya, A., Raut, R., Quantum Computing Threats: Study the Potential Threats that Quantum Computing Poses to Blockchain Security, International Journal of Intelligent Systems and Applications in Engineering, 2024, 12(10s), pp. 342–348
- Jain, R., Borkar, P., Deshmukh, P., ...Nimje, K., Gupta, K., Choosing a Suitable Consensus Algorithm for Blockchain Applications: A Review of Factors and Challenges, International Journal of Intelligent Systems and Applications in Engineering, 2024, 12(10s), pp. 333–341
- Gupta, K., Sinhal, R., Badhiye, S.S., Remote photoplethysmography-based human vital sign prediction using cyclical algorithm, Journal of Biophotonics, 2024, 17(1), e202300286

- Automatic customer review summarization using deep learning-based hybrid sentiment analysis, International Journal of Electrical and Computer Engineering, 2024, 14(2), pp. 2110–2125
- Predictive Modeling of Bitcoin Prices using Machine Learning Techniques, International Journal of Intelligent Systems and Applications in Engineering, 2024, 12(17s), pp. 578–586



Dr. Gagandeep Kaur



Dr. Pratik Agarwal

- Development and design approach of an sEMG-based Eye movement control system for paralyzed individuals, Journal of Integrated Science and Technology, 2024, 12(5), 811
- Deep Learning Based Dual-level Bioinspired Model for Parkinson's Disease Detection, International Journal of Intelligent Systems and Applications in Engineering, 2024, 12(13s), pp. 179–187
- Natural language based smart garbage management system using Artificial Intelligence, Journal of Integrated Science and Technology, 2024, 12(4), 790

- Development of a Temporal Analysis Model Augmented for Disease Progression Identification through Multiparametric Analysis, International Journal of Intelligent Systems and Applications in Engineering, 2024, 12(2), pp. 620–634
- Prediction of Air Quality Index using SVR Machine Learning Model and Analyzing Hazards Arising from Thermal Power Plants, International Journal of Intelligent Systems and Applications in Engineering, 2024, 12(13s), pp. 603–608
- Depression Therapy Chat-Bot using Natural Language Processing, International Journal of Intelligent Systems and Applications in Engineering, 2024, 12(2s), pp. 181–187



Prof. Monali Gulhane



Dr. Heranmoy Maity

- A New Approach to Design of Cost-Efficient Reversible Quantum Dual-Full Adder and Subtractor". International Journal of Mathematical, Engineering and Management Sciences, 9(2), 341-351 (2024) (Scopus, WoS), I.F. 1.6. <https://doi.org/10.33889/IJMEMS.2024.9.2.018>

Success Stories: "Students Achievements"



Congratulations to Prathamesh Yadav and Vedant Bhojar for securing second position in HackWHack

HackWHack was conducted by S.B. Jain Institute Of Technology, Management & Research



CONGRATULATIONS

WON SECOND PRIZE



Priyanshu Deshmukh, Rajat Jain, Atharva Dethle & Atharva Sapate of IV Sem won Third Position with a Cash Prize of Rs. 15,000/- in "Hack-O-thon (24 Hrs Coding Competition)" held at St.Vincent Pallotti College of Engineering, Nagpur on 4th & 5th March 2024.

Prathamesh Yadav & Vedant Bhojar of VI Sem won Second Position with in HACKWHACK (24 Hrs Coding Competition) held at S.B. Jain College of Engineering, Nagpur on 26th January 2024



Mr.Chintamani Chaudhari, a second-year student from SIT Nagpur, shines at the national oratory contest in Bhubaneswar. Clinching the prestigious "Best Diction Award" on 22nd February 2024 Over two days of intense competition, his communication skill captivated audiences and challenged fellow contestants, making his victory truly inspiring and deserving.



Mr. Saumitra Patil & Mr. Aryan Paratakke, Second Year Students of SIT Nagpur was selected for the Internship by FOSSEE team at IIT Bombay and also for the development of the Machine Learning-II Lab at Virtual Labs, IIT Roorkee.



Congratulation



Ms. Pinak Rokde for achieving the first position in the badminton tournament organized by SSPAD Nagpur







SPORTS SPECTRA 1.0



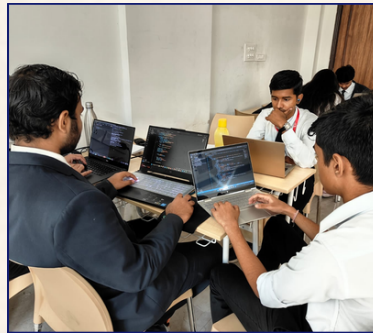
Intra-Extra Activities: "Shaping Tomorrow Together"



"Scavenger Hunt Event" Organized by Literary Club on 29th Jan 2024



"Hack-O-Week 2.1 & 2.2" Organized by Google Developer Student Club Chapter on 04 & 11th March 2024



"CODE CLASH Event" Organized by ACM Chapter on 07th March 2024



"International Women's Day 2024" conclave organized by Google Developer Clubs, SIT Nagpur on 10th March 2024





Enthusia 3.0

21st March - 22nd March 2024



ENTHUSIA 3.0

CODE HUNT



ENTHUSIA 3.0

CODE COMBAT



ENTHUSIA 3.0

SYMBI-TANK



DATE: 21st March





Achievers Honored: Celebrating Success in Style





॥वसुधैव कुटुम्बकम्॥

Wishes



to all the StakeHolders

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