Achievements 2022

Distinguish Members

Member of BIS -Bureau of Indian Standard
LITD 17 Panel 6 : Information System Security and Privacy
LITD 19 Panel 2: e-Learning "User Interface"
LITD 36: Computer Hardware, peripherals equipment and User Interface

Member of ISO - International Organization for Standardization
ISO/IEC JTC 1/SC 36WG8: Learning Analytics Interoperability

Patent

Patent Title: Enhancing Cyber Security using Hybrid Authentication Technique, Gaurav Gambhir, M Gambhir, J K Mandal, Patent Number 2021100948, Innovation Patent, Australian Government, Eight years from 19.02.2021.

Ph. D. Awarded

1. Rajeev Chatterjee, NITTTR, Kolkata, "A Novel Architecture for Confidence based Learning (CBL)", submitted 10th March 2021 and awarded 2nd February 2022.

2. Gaurav Gambhir, APIIT, Panipath, Hariyana, " Study on Shared Memory Implementation of Cryptographic and Steganographic Techniques", submitted 12th March 2021, awarded 24th March 2022.

3. Debarpita Santra, Research Scholar without Fellowship, University of Kalyani, Kalyani, "**Designing Medical Expert System for Assessment and Management of Low Back Pain with Uncertainty Handling**" (June, 2021).Open Viva Voce to be held on 10th May 2022 at 12.30 PM.

Books

Nil

Book Chapters

1. Bandyopadhyay S., Thakur S.S., Mandal J.K. (2022), Online Recommendation System Using Human Facial Expression Based Emotion Detection: A Proposed Method. In: Mandal J.K., Buyya R., De D. (eds) Proceedings of International Conference on Advanced Computing Applications. Advances in Intelligent Systems and Computing, vol 1406. Springer, Singapore. https://doi.org/10.1007/978-981-16-5207-3_38

Edited Volumes as Volume Editor/Corresponding Editor /Conference Organization

1. The edited volume "Topical Drifts in Intelligent Computing" -Proceedings of International Conference on Computational Techniques and Applications (ICCTA 2021) published by Springer Nature 28.04.2022. The Link: https://link.springer.com/book/10.1007/978-981-19-0745-6

SCI Journals

1. Krishan Kundu, Prasun Halder & Jyotsna Kumar Mandal (2022) Estimation and Analysis of Change Detection, Forest Canopy Density, and Forest Fragmentation: A Case Study of the Indian Sundarbans, Journal of Sustainable Forestry, SCIE(IF:1.515); DOI: 10.1080/10549811.2022.2059515, published 30th March 2022, link: https://www.tandfonline.com/doi/full/10.1080/10549811.2022.2059515

2. Priyadarshini R, Chintalapati R, Nath V, Shylashree N, Sharma J B, Mandal, J K, "A Novel Approach for Node localization in Wireless Multimedia Sensor Network", IETE Jurnal of Research, communicated May 2, 2022.

Invited Talks/Expert Lecture and Conference attended
      No. of Expert/Invited Lecture delivered: 5
      Conference attended: 4

Expert Lecture:

1. Academic Audit for various departments of B P Poddar Institute of Engineering & Management during 26.3.2022 and 26.3.2022.
2. Emerging Approaches of Security and authentication towards Toward Sustainability in National Conference on Emerging Approaches Towards Sustainability (EATS-2022) on 25.03.2022, at Greater Kolkata College of Engineering and Management, Kolkata in technical collaboration with IEEE Young Professional and IETE Kolkata Centre.
3. Expert Lecture in 6th National Conference on Trends in Science & Technology on 28.02.2022 on Invisible communication for Authentication.
4. Expert Lecture on Security and Authentication through Imperceptible Communications in AICTE-ISTE Sponsored induction/ Refresher Programme(one Eeek) during 14-19 Feb 2022
5. Expert Lecture on Realtime Embedded System and Applications in AICTE-ISTE Sponsored induction/ Refresher Programme (one Eeek) during 14-19 Feb 2022.
6. Expert Lecture in 6th National Conference on Trends in Science & Technology on 28.02.2022 on Invisible communication for Authentication.

.