Special issue: Advances in Communication, Computing and Devices with Applications in Mathematical Sciences

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Editorial

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This special issue has selected 18 papers for publication out of 134 submissions in the 2nd International Conference on Communication, Devices and Computing (ICCDC 2019) organized by the Department of Electronics and Communication Engineering, Haldia Institute of Technology, Haldia, West Bengal, INDIA held during 14th to 15th March, 2019. The issue is devoted to reporting on cutting-edge research achievements covering various aspects and diversified fields of advances in communication, emerging fields of computing and latest developments on the devices with advances in mathematical sciences and applications. The issue is categorized into three broad sections, namely, recent advances in communication, emerging fields of computing and applications, intelligent devices. There are five paper related to the recent advances of communication. K. Ayappasamy et al. have proposed a method of FBMC OQAM-PTS with virtual symbols and DFT spreading techniques. The next paper, "overview of optical fiber" provides an insight of the specific domain contributed by T. Pande and N. K. Shukla. There are two papers related to the advances of Mobile Ad- Hoc Network (MANET). The authors, A. S. Manimozhi and J. G. Jayanthi in their paper have studied a comparative performance analysis of various routing protocols in MANET. A. S. Manimozhi and J. Gnana Jayanthi in their paper have discussed on various issues on MANET. M. Athreya A et al. have proposed a method of de-centralized E-voting in crucial network applying block chain. The next paper authored by A. Kumar et al. have studied beam forming algorithms and different techniques.

In the category of emerging fields of computing and application, A. Roy have contributed a novel method of handwritten Bengali character recognition - a study of works during current decade. A comparative performance analysis of static hand gesture based recognition authored by K. Bhowmik and S. Ghosh provides a significant technical discussion. S. A. Bollapragada and K. P. MHM have proposed a ddiagnostic approach for the analysis of the characteristics of Tropical Cyclone using high performance computing. The next paper, authored by B. K. Bhoi et al - "Design of median filter in quantum-dot cellular automata for image processing applications" - provides a technical insight in the said field. Using support vector machine Detection of mass is based on variation in characteristics of benign and malignant masses for treatment of cancer has been authored by A. M. Solanke et al. In the next paper authored by P. B Chandra and S. K. Sarkar, the authors have proposed an efficient identification and classification of blood vessels and exudates in retinal images for diabetic retinopathy analysis.

In the category of intelligent devices K. Mukherjee et al. have investigated on all-optical Feynman gate using reflective semiconductor optical amplifiers and binary to gray code converter. In the next paper, A. Sharma and T.D. Das have provided technical details on property of fluorescent host material Alq3 organic light emitting diode device. S. Banerjee et al. have proposed a low cost solar powered wheel chair. In the next paper, the Sensor and their applications in precision agriculture have been studied by A. Chakraborty et al. In the next paper, S. Bera et al. have discussed on the prototype design of intelligent package sorting system. The next paper authored by N. Pathan et al. provides technical details of a design of Arduino UNO base blood glucose sensor for gestational diabetes. S. Samanta et al. have proposed and performed analysis of an Adiabatic adder