

**THIRD INTERNATIONAL CONFERENCE ON RECENT ADVANCES IN ENERGY EFFICIENT
COMPUTING AND COMMUNICATION FOR SMART SYSTEMS (ICRECS2024)**

23rd & 24th APRIL, 2024

CONFERENCE REPORT

Respected Correspondent Rev.Fr.Dr.M.Maria William, Principal Dr.J.Maheswaran, Vice Principal Dr.V.Christus Jeya Singh, Dean Research Dr.M.Marsaline Beno, Organizing Chairs Dr. S.Caroline, Dr.S.Sahaya Stalin Jose, Organizing Joint Secretary Dr. S.Edwin Gladson, Organizing secretary Ms.A.Anitha, Ms.T.M.Angelin Monisha Sharean, dear colleagues, delegates and my dear students, a warm good afternoon to all present here.

I am extremely delighted to present the report of the Third International Conference on Recent Advances in Energy Efficient Computing and Communication for Smart Systems (ICRECS2024) organized by the departments of Electronics and Communication Engineering, Information Technology and Physics. The Conference was a significant event, bringing together papers from different parts of the country. The conference received 125 papers from various colleges like Oman College of Management and Technology, Oman, University of Technology and Applied Sciences, Ibri, Sultanate of Oman, Wollega University, Ethiopia, Vellore Institute of Technology, Vellore and Chennai campus, BMS Institute of Technology and Management, Bangalore, RVR and JC College of Engineering, Guntur, Andra Pradesh, National Engineering College Kovilpatti, Kamaraj College of Engineering and Technology Virudhunagar, Vivekanandha College of Engineering for Women, Namakkal, PSR Engineering College Sivakasi, SRM Institute of Science and Technology, Trichy, SCAD College of Engineering and Technology Tirunelveli, University College of Engineering Konam, PSRR College of Engineering Virudhunagar, Noorul Islam Centre for Higher Education, Sree Sowdambika College of Engineering, St. Xavier's Catholic College of Engineering, Amrita College of Engineering and Technology, PonJesly College of Engineering, Marthandam College of Engineering and Technology, Maria College of Engineering and Technology, Government Polytechnic College Nagercoil, S.T. Hindu College Nagercoil and among them 100 papers were accepted and presented in 5 venues via OFFLINE and ONLINE mode on two days and published in Conference proceedings.

The conference aimed to foster collaboration and discussion on advancements in smart systems with a focus on reducing energy consumption, optimizing resource utilization, and promoting sustainability in the context of emerging technologies such as Internet of Things (IoT), Cloud Computing, and Artificial Intelligence. The focused topics of the Conference included Signal and Image processing, Wireless Communication, Embedded and IOT, AI and Machine learning, Networking and Security, Cloud Computing, Data Analytics and Materials.

The Conference started with an Inaugural function on 23/04/2024. The Chief Guest of the day was Er.G.R. Nisha, Scientist, VSSC, Trivandrum. The other dignitaries were our Correspondent, Principal, Vice Principal, Dean Research, Organizing chairs and Organizing Secretary. The Conference programme included 4 Invited talks by eminent keynote speakers: Er. Nisha GR, Scientist, VSSC, Trivandrum, Dr. Narendra Gopal, Head – Research Publications, Content development and Quality Assurance, ICT Academy, Dr. Subrata Das, Principal Scientist, Ministry of Science and Technology, Govt. of India, Trivandrum, Prof. Ali Al Badi, The Deputy Dean for Academic Affairs and Research, Gulf College. Oman.

On the second day of the Conference 24/04/2024, we had invited talk by Dr.A.Milton, Controller of Examination and Professor, Electronics and Communication Engineering, St. Xavier's Catholic College of Engineering and Dr. Hamza Mutaher Abdu, Program lead and Lecturer, British University Vietnam.

Technical sessions in different areas such as Industry 4.0, Smart Systems, Luminescent materials for Smart systems, IoT and Cloud Computing, Speech recognition and Software Defined Network Security were organized.

I hope that the Conference proceedings will serve as a comprehensive compilation of the present knowledge and experience and will be used by engineers, Academicians and Industrialists who are concerned with these subjects.

The success of the Conference depends ultimately on many people who worked with us in planning and organizing this program. I thank our beloved Correspondent, Principal, Vice Principal, Dean Research, Dean Academics for their guidance and encouragement in all stages of the conference.


I wish to thank ICT Academy for being a technical partner of this conference. Special thanks to Dr.Rajkumar from ICT academy.

Very special thanks to our sponsors Mr.Jesim Shahin/ Alumnus of batch 2013 – 2017, ECE department, Mr.R.Ablishek, CEO, Chek in Tek Academy and Crown India for providing financial support.

The Conference would not have been a success without the assistance of the Organizing team members and volunteers who planned over months and executed meticulously. Very special thanks to the Publication committee, Technical committee, Program management committee, Venue arrangement committee for the continuous support.

I personally thank all the student volunteers for their constant support for the success of the conference ICRECS2024. Thanks to one and all for committed works towards the success of this two day International Conference.




Correspondent


Principal


Vice Principal


Dean Research


Organizing Chairs


Organizing Joint Secretary


Organizing Secretary