EDITORIAL

With great pleasure, the Editorial team of Biannual CVR Journal of Science and Technology is bringing out Volume 24, in time. All the members of the team thank authors, reviewers and others involved in this work. For the last 6 months, all of us have been working tirelessly to complete this task and bring out the Volume in time.

We are taking care to see that standard practices are followed in the publication of the Journal. Blind review is done, and a number of iterations are done till the reviewers are fully satisfied with the standard of the research paper. Senior faculty of English language Department, take care of the language issues. Template verification and typographical errors are checked before the articles go for publishing. Hope the researchers appreciate this effort. Many research articles published in the journal are being referred to by other researchers across the globe, as indicated by DOI, Crossref data.

This Volume covers research articles in the following disciplines:

CIVIL– 1, ECE–4, EIE–3, CSIT–1, CSE–5, EEE–1, MECH– 2, H & S(Maths)–1.

Students are being encouraged to publish research papers based on the project work done by them. Project work has such importance in the academic curriculum. P.G. students spend almost one year on the project work. So, this should result in significant work suitable for publication in a journal. Project supervisors guiding the students must give research orientation for the work of the students. Selected research papers of U.G. students are published in this volume. It is heartening to see that U.G. students are also showing enthusiasm for publishing papers. Four such papers are published in this volume- Hope this trend will continue.

This issue carries an interesting research paper on Hydraulic and Anti-clogging Performance Evaluation of a Novel Cylindrical Drip Emitter using CFD Techniques. A Rainwater Harvesting System using LabVIEW is proposed in one article. Another article on the design of Low Power RF Low Noise Amplifier Design for 5G applications is also published.

Undergraduate students contributed an article based on their project work with the help of their supervisor, on a Family health monitoring system using Python. Other articles related to biomedical applications are, An IoT based Saline bottle level monitoring, Automatic Non-Contact Temperature Detection for Health Monitoring, MLO Mammogram Pectoral Muscle Masking with Adaptive MSER. One more article on the Design and Analysis of a Switched Capacitor Inverter for EV applications is also published.

I am thankful to all the members of the Editorial Board for their help in reviewing and shortlisting the research papers for inclusion in the current Volume of the journal. I wish to thank **Dr. S. Venkateshwarlu, HOD, EEE** for the effort made in bringing out this Volume. Thanks are due to **HOD, H & S, Dr. G. Bhikshamaiah** and the staff of English Department for reviewing the papers. I am also thankful to **Smt. A. Sreedevi, DTP Operator** in the Office of Dean Research, for the preparation of research papers in Camera - Ready form.

For further clarity on waveforms, graphs, circuit diagrams and figures, readers are requested to browse the soft copy of the journal, available on the college website www.cvr.ac.in wherein a link is provided. Authors can also submit their papers through our online open journal system (OJS) www.ojs.cvr.ac.in or www.cvr.ac.in/ojs

Prof. K. Lal Kishore
Editor