

EDITORIAL

It is with immense pride that we bring out the Volume – 14 of the Biannual journal of our college, CVR Journal of Science and Technology. This Volume is brought out in the first week of June 2018 itself, with the co-operation of all the contributors and the editorial team. We are thankful to the Management for supporting this activity, by encouraging us to publish the journal in colour print. This will enable to decipher the graphs, pictorial representations etc with more clarity. We are sure that researchers will appreciate this.

The first article in this issue is on prediction of multipath interference for static GNSS applications. Based on the data collected from SHAR, ISRD, this article is written. Another article on colour recognition device for visually impaired persons is also published. Another interesting article on estimating the % of degradation of rooftop solar PV plant is also presented. Other research articles on high blood pressure prediction using algorithms and modeling of potassium chloride sensor with two-dimensional optical nanostructure are also published. Based on six-sigma, a case study on investigating the cause of poor efficiency in thermal power plants is also presented. Breakup of number of research articles published, disciplines is given below, in the following lines.

We are very happy to share with our readers that CVR College of Engineering is **one among the TOP 3 institutions, in the State of Telangana**, as per the **NIRF MHRD rankings**. It is ranked in the **101-150 band** of rankings by the **NIRF**, consecutively for the II time. For a college which is about 17 years old, it is remarkable achievement. This made the management of the college to launch Mission 100, to be among the top 100 institutions in the country. Research activity plays an important role in this aspect. Hope the Journal and the contributors will help in improving the ranking of the institution. We are also happy to share with the readers that the college is **Accredited by NAAC with 'A' grade**. It is expected that the contributors will further enhance the reputation of the college through this Journal.

We have received good number of research papers for review, from our own faculty and from outside our institution also. A rigorous filtration process is done, anti plagiarism check using software, and review by experts are done. Finally, research papers were selected for publication in the present volume.

This volume covers research articles in the branches of engineering, Humanities and Social Sciences. The breakup of the papers among the various branches is:

ECE – 5, EEE – 4, EIE – 1, CSE– 2, IT - 2, MECH- 5, CIVIL-1, H & S-2.

The management is supporting the research and Ph.D Programmes by liberally sanctioning study leave for the faculty of this college. Faculty members working for Ph.D and on research projects are expected to contribute for the journal. Management is also encouraging the authors of research papers with incentives, based on merit. Some of the research articles accepted for publication in the forth coming Volume 15 are listed in Page No. **117**.

I am thankful to all the members of the Editorial Board for their help in reviewing and short listing the research papers for inclusion in the current Volume of the journal. I wish to thank **Dr.S.Venkateshwarlu, HOD, EEE and Associate Editor**, 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 to see that grammatical and typographical errors are corrected. I am also thankful to **Smt. A. Sreedevi, DTP Operator** in the Office of Dean Research for the effort put in the preparation of the 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.

Prof. K. Lal Kishore
Editor