

EDITORIAL

We are happy to bring out the Volume – 15 of the Biannual Journal- CVR Journal of Science and Technology, due in December 2018. This Volume is also brought out in time, with the co-operation of all the authors and editorial team. We are thankful to the Management Committee for supporting this activity, and permitting to publish the journal in colour print, using quality printing paper.

We are taking lot of care to see that quality is maintained in the papers published. Anti-Plagiarism Check is being done, in addition to review by senior professors. Teachers of English Department are also taking part in reviewing the papers. We are encouraging P.G. students also, to publish papers, with the help of their supervisors, based on, one year of Project work done by them. One will find some such articles from different departments in this issue. We hope the academic standards of P.G. programs and quality of project works done by the students improves in this way and helps the students in their career.

In this issue, an interesting article on Artificial Neural Networks (ANN) based on perception or Artificial Neuron is published. Also, one will find research articles pertaining to durability studies made on high strength concrete and also light weight, self – compacting concrete, Radiation effect on MHD stagnation – point Flow of a nanofluid, in a chemical reaction, and many other interesting research articles.

The Volume covers research articles in the branches of engineering and Mathematics. The breakup of papers among the various branches is:

CIVIL – 4, CSE –2 , ECE – 6, EEE – 1, EIE– 2, MECH- 3, H & S(Maths)-1.

Some of the research articles accepted for publication in the forthcoming Volume.16 are also listed in the end.

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.

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