

EDITORIAL

It is with immense pleasure that we bring Volume-10 of the Biannual Journal of our college, CVR Journal of Science and Technology. We have received good number of research papers for review, from our own faculty and from outside our institution. A rigorous filtration process is done, anti plagiarism check by software, and review by experts are done. Finally research papers were selected for publication in the present volume. We are also happy to share with the readers that the college is Accredited by NAAC with 'A' grade and NBA Accreditation is also obtained. Affiliation for all courses and all seats in all branches is also obtained from JNTUH. It is expected that the contributors will further enhance the reputation of the college through this Journal.

The breakup of the papers among various branches is:

ECE – 12, EEE – 2, EIE – 3, IT – 1, H & S – 2

The research papers in the ECE branch cover interesting areas like Emotion Detection by Cepstral Analysis, Sub Threshold source coupled Logic families, low power leakage reduction, spectrum sensing in Cognitive Radio Network etc.

The research papers from EEE Department cover the areas of Hybrid Diesel - Electric propulsion System, Grid Connected Doubly Fed Induction Generator based Wind Turbine. A Survey paper on Routing Protocols in Wireless sensor networks is contributed by I.T. Department. Research papers received from EIE Department cover the areas of Iron Processing with SCADA based Automatic Direct Reduction, Multi-channel UART controller with FIFO and FPGA, sliding mode control of a pH Neutralization system. A study on impact of Green Marketing and Green consumer behaviour is made and this paper is contributed by the Management Science faculty. A paper based on the Novel, "Waiting for Mahatma" is submitted by the English Department.

In the coming issues, all branches of Science, Humanities, Social Sciences and Engineering fields are expected to be covered. Contributors are requested to work on this aspect. The management is supporting the research and Ph.D Programmes, by liberally sanctioning study leave for the faculty. 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.

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 pains he has taken in bring out this Volume. Thanks are due to HOD, H&S, Dr. E. Narasimhacharyulu 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 more 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 and is available in colour.

Prof. K. Lal Kishore

Editor