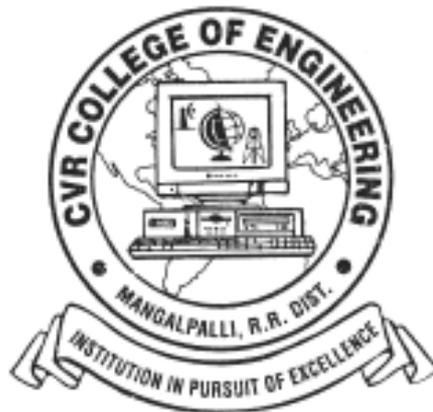


CVR JOURNAL OF SCIENCE & TECHNOLOGY



CVR COLLEGE OF ENGINEERING

(An Autonomous College affiliated to JNTU Hyderabad)

Mangalpalli (V), Ibrahimpatan (M),

RR District, A.P. - 501510

<http://cvr.ac.in>

Message from President and Chairman

I am really excited about the college taking an encouraging step to launch a Journal entitled "CVR JOURNAL OF SCIENCE AND TECHNOLOGY". I am sure that the Journal would provide a platform for the teaching and research community to project their research contributions and exchange the expertise in the various branches of Science and Engineering.

I am sure it is an excellent beginning. I hope the Journal will grow from strength to strength in the years to come.

RAGHAVA V CHERABUDDI, Ph.D.

Message from Director

It is a happy event to see the first issue of "CVR JOURNAL OF SCIENCE AND TECHNOLOGY" coming out with contributions by the staff of the various departments of the college. The first issue of the journal contains a good mix of papers from different specializations and I am confident that the journal will continue to give a good opportunity for the staff members to present the work in their respective areas of research. I hope the journal will help in strengthening the research and establishing a strong academic base in the college.

I convey my best wishes for the continued growth of the journal in content and quality.

K. RAMA SASTRI

EDITORIAL

The twin guiding principles for Engineering and Technical Education are relevance and excellence. The role of teachers in this context cannot be exaggerated, as the quality of education is directly determined by the competence of the teachers. Apart from teaching the subjects included in the curriculum, teachers need to constantly update themselves on the current trends in the area of their respective specializations, for which there is a need for them to be engaged in active research. Research culture should form an integral part of an Engineering College and a technical journal with papers and articles exclusively contributed by the faculty members of the college will go a long way in inculcating the appropriate research culture in the college.

CVR Journal of Science and Engineering, the first issue of which is being launched, is an attempt in this direction. The current volume contains research papers as well as perceptive articles by the staff of the college. The papers span a wide range including basic sciences and management science, apart from the engineering disciplines.

The Editor thanks all the members of the Editorial committee for readily accepting his request. A special word of appreciation is due to the authors for their interest in contributing to the Journal. It is our earnest hope that the enthusiasm will continue for the future issues of the journal.

Knowledge grows by sharing and the print medium is the best, with its lasting value, and it is hoped that our venture will prove beneficial to the scientific and technical community at large.

K. V. CHALAPATI RAO

Message from Principal

It is gratifying to know that the college is bringing out the technical journal "CVR JOURNAL OF SCIENCE AND TECHNOLOGY" with contributions from staff members. The journal provides an excellent opportunity for staff members to present their research work, and it will give a boost to the research culture of the college. Research is an important activity which needs to be pursued by everyone in the teaching profession to develop insight into various concepts and applications. Peer review is done to ensure acceptable standards of papers published.

Considering the excellent in-house talent in the college and the interest being shown by the staff in contributing to the journal, I have every confidence that the journal will continue to maintain high quality in its future issues too.

I wish all the best in this effort.

A. D. RAJKUMAR

