



CSE GLORY

WHATEVER CAN BE DONE WILL BE DONE

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
SRI VASAVI INSTITUTE OF ENGINEERING & TECHNOLOGY
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FACULTY ADVISOR MESSAGE

Dear Readers, I feel privileged in presenting the July-2017 issue of our college magazine. I would like to place on record my gratitude and heartfelt thanks to all those who have contributed to make this effort a success.

Overall development of the individual is the goal of education and we all have to ensure that there is no stone left unturned to equip the student of today for the challenges of life. This will require tremendous self-motivation on the part of all concerned but will be fulfilling for the student as well as the faculty.

New technology is bringing opportunities along with new skill set requirements and challenges. Globalization is bringing competitiveness in every domain. Engineers have to fit into requirements of companies that recruit across the globe. The department of CSE under the leadership of Mr.S.V.C.Gupta. HoD is leading the way to meet challenges of future by equipping students with the skill set that is required in the industry.

I wish to congratulate the entire faculty and other staff for encouraging and guiding the students in all factors, for their well rounded development. I wish you all the best for achieving greater success and scaling newer heights in your education and career ahead.

Department of Computer Science & Engineering

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EXECUTIVE DIRECTOR

Sri Dosapati Baba

“Vision is that art of seeing what is invisible to others,” Jonathan Swift said. Action with vision is making a positive difference. Sri Dosapati Baba, Executive Director is a proactive personality who wishes to mould the minds of the students, bring about desired changes and create a group of people dynamic in nature and versatile in stature. Sri Baba has done his M.Sc., and M.Phil., in Physics from Pondicherry Central University. With four years of experience as Asst. Professor in Physics, he understands the needs of the student-community and his willingness to cater to their needs augurs well for the college.



An **executive director** is a [chief executive officer](#) (CEO) or [managing director](#) of an [organization](#), [company](#), or [corporation](#). The title is widely used in [North American non-profit organizations](#), though many [United States](#) nonprofits have adopted the title [president](#) or CEO.^[1]

Confusion can arise because the words *executive* and *director* occur both in this title and in titles of various members of some organizations' boards of directors. The precise meanings of these terms are discussed in the [board of directors](#) article.

COMPUTER CLUSTER

A **computer cluster** is a set of loosely or tightly connected [computers](#) that work together so that, in many respects, they can be viewed as a single system. Unlike [grid computers](#), computer clusters have each [node](#) set to perform the same task, controlled and scheduled by software.

The components of a cluster are usually connected to each other through fast [local area networks](#), with each *node* (computer used as a server) running its own instance of an [operating system](#). In most circumstances, all of the nodes use the same hardware and the same operating system, although in some setups (e.g. using [Open Source Cluster Application Resources](#) (OSCAR)), different operating systems can be used on each computer, or different hardware.

Clusters are usually deployed to improve performance and availability over that of a single computer, while typically being much more cost-effective than single computers of comparable speed or availability.



AVINASH BABU SAILA

Computer clusters emerged as a result of convergence of a number of computing trends including the availability of low-cost microprocessors, high-speed networks, and software for high-performance [distributed computing](#).^{[[citation needed](#)]} They have a wide range of applicability and deployment, ranging from small business clusters with a handful of nodes to some of the fastest [supercomputers](#) in the world such as [IBM's Sequoia](#).^[4] Prior to the advent of clusters, single unit [fault tolerant mainframes](#) with [modular redundancy](#) were employed; but the lower upfront cost of clusters, and increased speed of network fabric has favoured the adoption of clusters. In contrast to high-reliability mainframes clusters are cheaper to scale out, but also have increased complexity in error handling, as in clusters error modes are not opaque to running programs.