

Computer Society of India
National Headquarters
Education Directorate
CHENNAI

Invites Project Proposals from Faculty Members and Postgraduate Students
Under the Scheme of R&D Funding for the year 2007-2008

As India's largest and one of the world's earliest IT professional organizations, the CSI has always aimed promoting education and research activities, especially in the advanced technological domains and emerging research fields. It is also committed to take the benefits of technological progress to the masses across India particular to unrepresented territories. In order to promote research and innovation meeting the grass-root level ICT needs and emphasize the importance of joint research by faculty-students, the proposals (based on the ongoing or new projects for the academic year 2007-08) are invited from the faculty members and/or PG students with the following aim/objectives, expected outcome, indicative thrust areas for research funding:

Aim and Objectives

- To provide financial support for research by faculty members, especially for developing innovative techniques and systems to improve teaching-learning and institutional management processes.
- To provide financial support to PG students for developing new systems catering to the needs of socially relevant sectors and/or involving proof of concepts related to emerging technologies
- To facilitate interaction/collaboration among academicians, practitioners and students
- To develop confidence and core competence among faculty/students' through research projects
- To foster an ambience of '*Learning by Doing*' and explore opportunities of industry funding and mentoring for inculcating professionalism and best practices among students and faculty
- To recognize innovation and present excellence awards for path-breaking projects through CSI YITP awards and industry associations, Govt. Agencies and professional societies.

Expected Outcome

- Identification of thrust areas, capability assessment, gap analysis, recommendations and future education and research directions
- Integration of research methodologies into the postgraduate teaching-learning and evolving a quality control mechanism for academic programmes and curricula
- Strengthening of industry-institutes interaction through commercialization of technologies and products developed by students and faculty
- Publication of research studies (ICT penetration, technological innovation, diffusion & adaptation), state-of-the-art reports and case studies of education/ research initiatives
- Identification of potential new and innovative projects of young faculty, researchers and students for possible business incubation

Indicative Thrust Areas for Research funding

The financial assistance up to Rs 50,000/- for hardware projects and up to Rs 30,000/- for software projects would be provided to cover items like equipment, books/journals, field work, questionnaire, computation work and report writing. The indicative thrust areas for funding include (but not limited): **Technology-** OS, Programming Languages, DBMS, Computer & Communication Networks, Software Engineering, Multimedia & Intern

Technologies, Hardware & Embedded Systems **Process & Tools-** Requirements Engineering, Estimation & Costing, Project Planning, Prototyping, Architecture & Design, Development, Testing & Debugging, Verification & Validation, Maintenance & Enhancement, Change Management, Configuration Management, Project Management, Software Quality Assurance & Process Improvement, **Vertical Applications-** Scientific Applications, Enterprise Systems, Governance, Judiciary & Law Enforcement, Manufacturing, Healthcare, Education, Infrastructure, Transport, Energy, Defence, Aerospace, Automotive, Telecom, Agriculture & Forestry Management, **Inter-disciplinary Applications-** CAD/CAM/CAE, ERP/SCM, EDA, Geo-informatics, Bioinformatics, Industrial Automation, CTI and Convergence.

Last date for Receipt of Proposals: 15th NOV 2007

For further details and application forms, please visit www.csi-india.org or write to:

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