



## **Invites Project Proposals from Faculty Members and Students** **Under the Scheme of R&D Funding for the year 2017-2018**

As India's largest and one of the world's earliest IT professional organizations, the Computer Society of India has always aimed at 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 in 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 CSI has been providing R&D funding for last several years.

The CSI Student Branches and member institutions are requested to motivate the young faculty members and students (including undergraduate and postgraduate) to benefit from this scheme. The proposals should have the following: aim/objectives, expected outcome, indicative thrust areas for research funding may be submitted to: ***Computer Society of India, Education Directorate, CIT Campus, IV Cross Road, Taramani, Chennai 600113.*** Last date for Receipt of Proposals: 31<sup>st</sup> January 2018.

### **Aims 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 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 university teaching-learning process 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



# Computer Society of India

Education Directorate, National Headquarters,  
CIT Campus, IV Cross Road, Taramani, Chennai – 600 113.  
Phone: 044-2254 1102 / 1103 / 2874  
Website: <http://www.csi-india.org>

## **Indicative Thrust Areas for Research funding**

The financial assistance up to Rs 10,000/- for hardware / 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 & Internet Technologies, Hardware & Embedded Systems **Process & Tools-** Requirements Engineering, Estimation & 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 & Forest Management, **Inter-disciplinary Applications-** CAD/CAM/CAE, ERP/SCM, EDA, Geoinformatics, Bioinformatics, Industrial Automation, CTI and Convergence.

**Only one proposal is accepted from the Institution.**

**Last date for Receipt of Proposals: 31<sup>st</sup> January 2018**

For further details and application form can be downloaded from the link of “R & D Projects” at [www.csi-india.org](http://www.csi-india.org)

**Computer Society of India  
Education Directorate,  
CIT Campus, IV Cross Road  
Taramani, Chennai-600113  
Email: [researchproposals@csi-india.org](mailto:researchproposals@csi-india.org)**