

## About us

Moogambigai Charitable and Educational Trust (RajaRajeswari group of Institutions), was established in the year 1992 by our respected chairman Sri A.C. Shanmugam, with the sole objective for starting institutions of higher education for exemplary stature to serve the people of Karnataka.

ACS college of Engineering, Bangalore (ACSCE) was established in the year 2009, which is a unit of RajaRajeswari group of Institutions with a motto "Concentration brings perfection in all activities of Life". Currently we have 7 UG Programmes, 4 PG programmes and 3 Research centers. The Departments of Biomedical Engineering, Electrical & Electronics Engineering and Electronics & Communication Engineering house state of art laboratories; the faculties are highly experienced with domain research experience and knowledge.

### CHIEF PATRON

Sri A.C.Shanmugam, Chairman, RRGi, Bangalore

### PATRONS

Sri A.C.S.ArunKumar, Vice-Chairman,  
RRGI Bangalore

Sri Vijayanand Executive director,  
RRGI Bangalore

### GLOBAL KNOWLEDGE INNOVATIVE TECHNOLOGY MENTORS

Sri Jaya Balan, Special Officer,  
RRGI Bangalore.

Dr.T R Gopalkrishna Nair, Rector, RRGi.

Dr.M S Murali

Principal, ACSCE

Prof R.Elangovan

Vice-Principal(Admin), ACSCE  
Bangalore.

Prof A.M.Prasanna Kumar

Vice-Principal(Academics), ACSCE, Bangalore.

### Convenor

Dr Punal.M.Arab

HOD-BME, ACSCE

### Resource Persons

Dr. M S Murali, Principal, ACSCE

Dr Punal.M.Arab, HOD/Dept of BME, ACSCE

Dr.M Muruganandam, Prof/Dept of ECE, ACSCE

Dr.T Senthil Kumaran, Prof/Dept of CSE, ACSCE

Dr.M Mathivanan, Prof/Dept of ECE, ACSCE

Dr. C. S. PILLAI, HOD/ Dept of CSE, ACSCE



**ACS**  
College of Engineering

(Approved by AICTE, New Delhi, Affiliated to VTU,  
Belagavi)

(A Unit of Rajarajeswari Group of Institutions,  
Bangalore)

#207, Kambipura, Mysore road, Bangalore,  
Karnataka-560074

Organizes  
Two day workshop  
on  
"Research Methodology"

27th to 28th July 2016





## About Bio-Medical Department

Biomedical engineers work at the intersection of engineering, the life sciences and healthcare.

These engineers take principles from applied science (including mechanical, electrical, chemical and computer engineering) and physical sciences (including physics, chemistry and mathematics) and apply them to biology and medicine.

Although the human body is a more complex system than even the most sophisticated machine, many of the same concepts that go into building and programming a machine can be applied to biological structures and diagnostic and therapeutic tools. The goal is to better understand, replace or fix a target system to ultimately improve the quality of healthcare.

## Objectives of the Workshop

- 1.To develop an understanding of the basic framework of research process.
- 2.To develop an understanding of various research designs and techniques.
- 3.To identify various sources of information for literature review and data collection.
- 4.To develop an understanding of the ethical dimensions of conducting applied research
- 5.Appreciate the components of scholarly writing and evaluate its quality.

## Course Content

- 1.The role of research and research process overview.
- 2.Ethical issues in conducting research.
- 3.Understanding the concepts,constructs, variables, and definitions.
- 4.Defining the research problem,formulation of the research hypotheses, the importance of problems and hypotheses.
- 5.Experimental and nonexperimental research design, field and survey research. Methods of data collection.
6. Processing and analysis of data.

## Participants:

- Faculty from Engineering Colleges can apply.
  - A maximum of 50 participants are permissible
- Registration Fee:500/-  
\*Free registration for members of RRG I

## Co- ordinators:

Mrs. Surekha N  
Ms. Prathibha T P  
Assistant Professors  
Department of Biomedical Engineering, ACSCE

## Organizers

Staff's and Students  
Dept of BME  
ACSCE , Bangalore

## Contact Details:

Mrs.Surekha N : 9886806690  
Ms.Prathibha :7760654251

## VENUE:

ACS College of Engineering  
#207, Kambipura Mysore road Bangalore,  
Karnataka-560074.