



**SRI SRINIVASA EDUCATIONAL & CHARITABLE TRUST (R)**  
**SAPTHAGIRI COLLEGE OF ENGINEERING, BANGALORE-560057**  
 ( Affiliated to Visvesvaraya Technological University, Belgaum & Approved by AICTE-New Delhi)  
 14/5, Chikkasandra, Hesaraghatta Main Road, Bangalore-560057

### **R&D, Entrepreneurship Committee & Incubation Centre**

This committee has been reconstituted for the academic year 2015-16 during August 2015. The committee has reviewed the SOP in its first meeting. The committee has given directions to all the departments to increase the research activities so as to enrich the knowledge of faculty and students. Management has supported all the activities of the research for the benefit of Students and Teaching fraternity. The following are the details of the research activities for the academic year 2015-16.

Details Departments	CSE	ISE	ECE	ME	EEE	BT	CV	Chemistry	Physics	Maths	Total
Research Projects Funded by KSCST and Sapthagiri College of Engineering	-	-	1	-	1	3	-	-	-	-	8
FDP –Research Methodology, IPR, Entrepreneurship	SCE										1
Journal papers	-	-	1	-	-	2	-	2	2	1	8
Books and Conferences	-	-	5	-	1	-	-	-	1	-	10
Extension and Out-reach Programs	SCE										4

**The following are the Research Projects Funded by KSCST and Sapthagiri College of Engineering**

Sl. No	Name of the Project/ Endowments, Chairs	Name of the Principal Investigator /Co-investigator	Department of Principal Investigator	Year of Award	Amount Sanctioned (Rs)	Duration of the project	Name of the Funding Agency	Type (Government /Non-Government)
1	Pollution Study On Polymeric Surge Arrestor	Dr K N Ravi	Electrical And Electronics	2015-16	3,000	6 Months	Karnataka State Council For Science And Technology - 39 th Series - SPP	Government
2	Next Generation E-Voting System For Elderly And Blind Users`	Prof. Karthik N. C.	Electronics And Communicat	2015-16	4,000	6 Months	Karnataka State Council For Science	Government

  
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			ion				<b>And Technology - 39 th Series - SPP</b>	
3	Study On The Chemical Composition And Invitro Evaluation Of Their Pharmacological Activity	Dr. Ananda S	Bio Technology	2015 -16	6,000	6 Months	<b>Karnataka State Council For Science And Technology - 39 th Series - SPP</b>	Government
4	Simarouba Oil-Cake: The Solid Low Value Substrate To Produce Lipase With Potential Application In Bio-Diesel Extraction And To Assay The Toxicity Of Phytochemical In Inhibition Of Lipase Activity	Prof. Shobha G	Biotechnology	2015 -16	13,000	6 Months	<b>Karnataka State Council For Science And Technology - 39 th Series - Biofuel</b>	Government
5	Duel Biofuel Production from Microalgae	Prof Prashanth Kumar H P/ DrRhoith K C/Prof Saranya D	Biotechnology	2015 -16	9,000	6 Months	<b>Karnataka State Council For Science And Technology - 39 th Series - Biofuel</b>	Government
6	Aggregate Crypto system for Scalable data sharing in cloud Storage	Prof Prerana Chaitra	Information Science & Engineering	2015 -16	3000	6 Months	<b>Karnataka State Council For Science And Technology - 39 th Series - SPP</b>	Government
7	Ayurvedic Medicinal Kit	Prof. Saranya D/ Prof. H P Prashanth Kumar	Biotechnology	2015 -16	40,000	6 Months	<b>VGST-TRIP</b>	Government
8	Study Of Anti-Oxidant Enzyme And Anti-Oxidant Properties Of Tomato Plant	Prof. Shobha G /Prof.Sowmya C	Bio-Technology	2015 -16	2,84,625	1 Year	<b>Sapthagiri College Engineering</b>	Non-Government

**The following are the FDP, Research Methodology, IPR conducted for the year 2015-2016.**

1. A FDP on "Optical Fiber Transmission System" was conducted on 12.02.2016 by the department of Electronics & Communication Engineering for 25 faculties by Dr. RajappaPaapannareddy.
2. A FDP on IPR "Introduction to Intellectual Property Rights" was conducted on 03.08.2015 was organized for SCE faculties by SCE, Bangalore, by Mr. HR Ranganatha, Professor, Department of ISE, Siddaganga Institute of



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3. A FDP on “Research, Design and Methodology” was conducted on 05.12.2015 by Dr. Markandaiah, Associate Professor, Bengaluru.

**The following are the Extension and Out-reach Programs**

2015-16

Sl. No	Name of the Activity	Place of Activity	Organising unit/ agency (Internal)	Organising unit/ agency (External)	Year of the activity	No. of Students
1.	<b>Awareness on Menopausal Proposal &amp; Distribution of Sanitary pads</b>	Ivarakhandapura Village	Health Club / Community Club / ECO Club	Ivarakhandapura Village Panchayat	6/8/2015	38
2.	<b>Swatch BarathAbhiyan</b>	College Surrounding	ECO Club / Community Club	--	4/12/2015	52
3.	<b>Interacting with Govt. School students on paper and Waste recycling</b>	Govt. School Ivarakhandapura	ECO Club / Community Club / Health Club	Govt. School Ivarakhandapura	8/4/2016	36

The number of research projects funded by Management and KSCST has increased in this academic year. Similarly, numbers of FDP –Research Methodology, IPR, Entrepreneurship and Journal papers also has increased in the coming academic year. The Journal and Conference Publications have to be increased in number from all the departments.

It is therefore, envisaged that the increment in all the research parameters shall increase in the next academic year also.

Convener

RDECIC

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