



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 2018-19 during ugust 2018. 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 2018-19.

Details Departments	CS E	IS E	EC E	M E	EE E	B T	C V	Chemi stry	Physics	Maths	Total
Research Projects Funded by KSCST and Sapthagiri College of Engineering	-	-	1	3	3	4	-				11
FDP –Research Methodology, IPR, Entrepreneurship	SCE										24
Journal papers			1	1	2	8		1			13
Books and Conferences											10
Extension and Out-reach Programs	SCE										13

The following are the FDP, Research Methodology, IPR conducted for the year 2018-2019.

1. A workshop on “Prospectus in Competitive exams” was conducted on 20-09-2018 by the department of Biotechnology for 120 students by Dr. Natesh DB, KAS, Assistant Commissioner, BBMP
2. A workshop on “Hands-on on Network Security & Awareness of DIGITAL INDIA and IT Jobs in IT/IMS Industry” was conducted on 22-09-2018 by the department of Electronics and communication engineering department for 60 students by Mrs. Sunitha, Amingad, Technical Manager, Jetking, Bangalore.
3. An Expert Talk on "Research Orientation and Academic Project Planning" was conducted on 25-09-2018 by the department of Information Science engineering department for 60 students by Dr. Harsha S., Associate Professor, Jyothi Institute of Technology.
4. Hands on training was conducted on “AurdinoBoard” for students, it was conducted on 28/9/2018-29/9/2018 by the department of computer science engineering for 58 students by Mr. Sanjay Kumar, Technical lead, Jyothi Labs.
5. A FDP on IPR “Protection and Procedure” was conducted on 06/08/2018 was organized for faculties by SCE, Bangalore, by Mr. Ananth, Advocate, Bengaluru.
6. A workshop on “3D Printing ” was conducted on 28-09-2018 by the department of Mechanical engineering department for 90 students by Mr. Anil M.P, Director & Resource person M/S ASP Designs-Mysore.
7. Hands on training was conducted on “Internet of Things by GEEKS Lab in association with AIESEC IIT-Delhi” for students, it was conducted on 12/10/2018 by the department of computer science engineering for 43 students by Mr. Karan Kapoor, Corporate trainer, Geeks Labs

8. Hands on training was conducted on “MySQL, ODBC, JDBC – Data Base connectivity – By Navigem.” for students, it was conducted on 17/10/2018 by the department of computer science engineering for 50 students by Team Navigem
9. A 5 Day workshop on “Computer Network” was conducted from 31-10-2018 - 04-11-2018 by the department of Electronics and communication engineering department for 60 students by Mrs.Sunitha ,Amingad, Technical Manager, Jetking, Bangalore.
10. A 1 Day workshop on “IoT's and its applications” was conducted on 03-11-2018 by the department of Electronics and communication engineering department for 60 students by Mr.Chethan C R, Tekatron IT solutions, Bangalore.
11. Hands on training was conducted on “Aurdino Board” for students, it was conducted on 17/11/2018-18/11/2019 by the department of computer science engineering for 65students by Mr.Srinivas Shetty, SST Technologies.
12. Hands on training was conducted on “Machine Learning Laboratory” for students, it was conducted on 19.11.2018 by the department of Computer science engineering for 65student by Prof.GireeshBabu Department of ISE. BMSIT.
13. A 2 day FDP was conducted on “Machine Learning and Tools” for Faculty, it was conducted on 30.01.2019 To 31.01.2019 by the department of Computer science engineering for 20 Faculty by Dr.Sugunaprofessor, Department of Computer Science Veltech university and Dr.Shymala Devi professor, Department of Computer Science Veltech university.
14. A 3 day FDP was conducted on “Advanced Surveying Technologies using total Station” for Faculty, it was conducted on 31.01.2019-02.02.2019by the department of Civil engineering for 10 Faculty by Mr. Hemanth Reddy chief Executive,Sir M V Institute of Engineering Skills,Bangalore.
15. A 5 Day workshop on “Student Development Program on Object Oriented Concepts” was conducted from 04.02.2019-08.02.2019 by the department of Computer science engineering for 120 students by Department of Computer science engineering, SCE, Bangalore.
16. A 4 Day workshop on “Microsoft Certification on IoT” was conducted from 06.02.2019 to 09.02.2019 by the department of Electronics and communication engineering department for 60 students by Microsoft Technologies, Bangalore.
17. A 3 Day workshop on “Big Data Analytics” was conducted from 06.03.2019-08.03.2019 by the department of Computer science engineering for 120 students by EduNextgen Bangalore.
18. A hands on training and a workshop on “Recent trends on Networking” was conducted from 16.03.2019 by the department of Electronics and communication engineering department for 60 students by Mrs.Sunitha , Amingad, Technical Manager, Jetking, Bangalore.
19. A workshop on “Refrigeration & Air Conditioning” was conducted on 20.03.2019by the department of Mechanical engineering department for75 students by Mr. Ram Prasad,Director& Resource person M/S TCS ION Master i2R solutions Bangalore.
20. A 1 Day workshop on “Machine Learning using Python” was conducted from 20.03.2019 by the department of Electronics and communication engineering department for 60 students by Mr.Chinmaya Mishra UTC Bangalore and Mr. Patel TCsion Bangalore.
21. A 5 Day workshop on “Tableau – Data Visualization Tool” was conducted from 20.03.2019 by the department of Computer science engineering for 120 students by Navigem Bangalore.
22. A workshop was conducted on “Principles of Concrete Mix Design on High Strength and Self Compacting Concrete” for Faculty, it was conducted on 26-04-2019 by the department of Civil engineering for 60 students and 10 Faculty by Mr. NageshPuttaswamy Ultra tech systems
23. A workshop on “Animal Handling Techniques” was conducted on 27.04.2019by the department of Biotechnology for 60 students by DrSushil Kumar Middha ,AssociateProffesor, MLCAW.
24. A FDP on “Reasearch methodology and technical writing for Research scholars” was conducted on 01.04.2019 byDr. H C Sateesh Kumar, Professor and Head, Department of Electronics and Communication Engineering,Sapthagiri College of Engineering, Bengaluru.

The following are the Extension and Out-reach Programs

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.	Awareness Program on Children Safety through Street Play	Government primary school Kammagondanahalli	EOC	Government primary school Kammagondanahalli	09/25/2018	20
2.	Awareness Program on Good touch and Bad touch, to the Students	Government school Ivarakhandapura	EOC	Government school Ivarakhandapura	10/26/2018	25
3.	No fireworks for Healthy and Safe Deepavali	Government school Ivarakhandapura	ECO Club / Community Club Health Club	Govt. school Ivarakhandapura and village	10/31/2018	41
4.	Mega Health Club	Ganga International School	Community Club / Health Club	Ganga International School	11/10/2018	20
5.	No Honking drive at Traffic	Bonemill, chikkasandra main road	ECO Club / Community Club Health Club	--	11/16/2018	56
6.	Awareness on Pollution and its effects in Govt. School	Government school Ivarakhandapura	ECO Club / Community Club Health Club	Government school Ivarakhandapura	3/3/2019	16
7.	Organic Farming	Ivarakhandapura Village	Community Club / ECO Club	Ivarakhandapura Village Panchayat	2/15/2019	20
8.	Women Hygiene awareness program	Government school Ivarakhandapura	EOC	Government school Ivarakhandapura	22/02/2019	15
9.	Awareness on Government Schemes to Women” for social backward women.	Govt School Kammagondanahalli	EOC / NSS	Govt School Kammagondanahalli	03/20/2019	30
10.	Village Cleaning, Temple Cleaning, Lake Cleaning, Voting Awareness, AIDS Awareness, Banking Awareness,	Ivarakhandapura Village and Govt School	ECO Club / Community Club / NSS / Health Club	Ivarakhandapura Village Panchayat	25/3/2019 to 3/3/2019	52

	Mobile Awareness, School - Teaching, Drawing, Dance, English Speaking, Global Warming					
11.	Swatch Sapthagiri Abhiyaan	College Surroundings	NSS / ECO Club / Health Club	-	3/14/2019	40
12.	Awareness on Dengue, Malaria	Govt. school Ivarakhandapura	Health Club / ECO Club / Community Club	Govt. school Ivarakhandapura	4/2/2019	23
13.	Health awareness program in Village	Hesaraghatta village	Health Club / Community Club	Hesaraghatta village	4/16/2019	20

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 this academic year.

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

Convener

RDECIC

Principal