



K.S. INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
FUNDED PROJECTS SUMMARY

The ECE department has an R & D Centre affiliated by Visveswaraya Technological University (VTU). The **research projects** worth **Rs. 11 Lakhs** are either completed or ongoing. Some of these are funded by Government of Karnataka, Vision Group on Science and Technology (VGST), Karnataka State Council for Science and Technology (KSCST), Visveswaraya Technological University (VTU) and Institution of Engineers IE(I).

Year	No. of sponsored Students Projects	Faculty Projects	Amount Sanctioned	Status
2020-21	1	1	15,000/-	Completed
2019-20	2	-	3,10,000/-	Ongoing
2018-19	3	-	18,000/-	Completed
2017-18	3	1	5,15,000/-	Completed
2016-17	1	-	5,000/-	Completed
2015-16	3	1	1,35,000/-	Completed
2014-15	2	-	55,000/-	Completed
2013-14	2	-	45,500/-	Completed
		Total	10,98,500/-	



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FUNDED PROJECTS
(2020-21)

Sl. No.	Date	Funding agency/Scheme	Title of project	Name of the coordinator/Guide/PI & Co-PI	Name of the Students	Duration	Amount sanctioned	Status
1	April 2021	KSCST SSP-44 Series	Photovoltaic Dual Purpose Thermo Electric Refrigerator	Mrs. Sangeetha V	Pavan Prasad R, Mohammed Sadath, Yashas R, Mahadeva G R	6 Months	5000/-	Completed
2	Sep 2021	VTU Financial Assistance for Innovative Projects of Final Year UG Students	Hybrid Temperature Sensing and Monitoring System With Built in Sanitiser	Dr.PN.Sudha	Navin Kumar H G Navya S Pratima P Agnihotri Pratima V Kashyap	6 Months	5000/-	Completed
3	Sep 2021	VTU Financial Assistance for Innovative Projects of Final Year UG Students	Smart Heart Health Predictor Powered by ML	Mrs. Jayasudha BSK	Rachana S Sahana V Anagha Kashyap Anusha L	6 Months	5000/-	Completed
						Total	15,000/-	



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FUNDED PROJECTS
(2019-20)

Sl. No.	Date	Funding agency/Scheme	Title of project	Name of the coordinator/Guide/PI & Co-PI	Name of the Students	Duration	Amount sanctioned	Status
1	Dec 2020	Research Grant for Scientists/Faculty RGS/F), VGST, Government of Karnataka	Development of Bioinspired Algorithms for Real Time Piracy Detection Systems based on Thermo gram Analysis	Dr. Surekha Borra/Mr.Sunil Kumar GR	NA	1 Year	3,00,000	Ongoing
2	Mar 2020	KSCST SSP-43 Series	RAKSHAK - A Bored Well Rescue Bot	Dr. P N Sudha	Ms. Kadri Srinidhi Rao Ms. JeevithaKalaashilpa N C Ms. Ashwini S Ms. Bhagya Shree S J	6 Months	5500/-	Completed
3	Mar 2020	KSCST SSP-43 Series	Automatic Segregation of Waste Using Robotic Arm	Mrs. Sangeetha V	Ms. Bhoomika P M Ms. Sonika V Ms. Suma B S Ms. VismithaSonna Sathyanarayana	6 Months	4500/-	Completed
						Total	3,10,000/-	



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FUNDED PROJECTS

(2018-19)

Sl. No.	Date	Funding agency/Scheme	Title of project	Name of the coordinator/Guide/PI & Co-PI	Name of the Students	Duration	Amount sanctioned	Status
1	Jan 2019	KSCST SSP-42 Series	Artificial intelligence based solar vehicle	Mr.Sampath kumar S	Mayanka Gupta Anusha murthy Kavya n Chandana G	6 Months	8000/-	Completed
2	May 2019	VTU Financial Assistance for Innovative Projects of Final Year UG Students	Design of an Economic and Portable Continuous Ambulatory Peritoneal Dialysis (CAPD) Assistive Device	Dr.B.Surekha	Thanusha S V Nallani Priya Jagadish S Suhail Y Bhat	6 Months	5000/-	Completed
3	May 2019	VTU Financial Assistance for Innovative Projects of Final Year UG Students	Biomorphic hyper redundant robot for disaster surveillance	Mrs. Lakshmi HR	Nagabhushan Bhat S C Muneeb Fayaz Harhitha R Bhamini Rajanna	6 Months	5000/-	Completed
						Total	18,000/-	



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FUNDED PROJECTS
(2017-18)

Sl. No.	Date	Funding agency/Scheme	Title of project	Name of the coordinator/Guide/PI & Co-PI	Name of the Students	Duration	Amount sanctioned	Status
1	Nov 2017	Seed Money to Young Scientists for Research (SMYSR), VGST, Government of Karnataka	Design and Development of Bio-Inspired Algorithms for Confidential Medical Image Communication	Dr.B.Surekha	NA	1 Year	5,00,000/-	Completed
2	May 2018	VTU Financial Assistance for Innovative Projects of Final Year UG Students	smart water irrigation system for even distribution of water with leakage detection and correction	Dr.PN Sudha	Mr. Ullas Pragathi R Raksha Ghosh Shreyas R Y	6 Months	5000/-	Completed
3	May 2018	VTU Financial Assistance for Innovative Projects of Final Year UG Students	Smart tool kit for visually impaired	Pratima BA	Pavan B V Praveen Prasanna Ritu P Simha Tejus D S	6 Months	5000/-	Completed
4	5/4/18	KSCST SSP-41 Series	Body Area Network(BAN) based Smart Security Card System	Mrs. Sangeetha V	C V Chiranthan Anup R Wadavi Ashwin S Krishna Prasad	6 Months	5000/-	Completed
						Total	5,15,000/-	



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FUNDED PROJECTS
(2016-17)

Sl. No.	Date	Funding agency/Scheme	Title of project	Name of the coordinator/Guide/PI & Co-PI	Name of the Students	Duration	Amount sanctioned	Status
1	31/3/17	KSCST SSP-40 Series	Design And Implementation of Highly Secure Medical Record Communication Algorithms for Telemedicine Applications	Dr.B.Surekha	Goutham.C.B Sandeep.M.C Tejaswi.Y.J Tejaswini.VVS	6 Months	5000/-	Completed
						Total	5000/-	



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FUNDED PROJECTS
(2015-16)

Sl. No.	Date	Funding agency/Scheme	Title of project	Name of the coordinator/Guide/PI & Co-PI	Name of the Students	Duration	Amount sanctioned	Status
1	29/3/16	KSCST SSP-39 Series	Automatic blister pack quality monitoring system for small and medium pharmaceutical firms (SMPFs)	Dr.B.Surekha	RatishRao.N Aishwarya.N Pavana.P	6 Months	5,000/-	Completed
2	29/3/16	KSCST SSP-39 Series	Sensovision- an aid for visually impaired	Mrs.Jaya Sudha BSK	Sushma.S. N, Pooja. R, Navya Sri Sumitra.B	6 Months	5,000/-	Completed
3	20/4/16	IE (I)-R &D Grant in aid	Automatic blister pack quality monitoring system for small and medium pharmaceutical firms (SMPFs)	Dr.B.Surekha	RatishRao.N Aishwarya.N Pavana.P	6 Months	50,000/-	Completed
4	26/5/16	Govt of karnataka	Text to Speech	Mr.Vikram R Lakkavalli		6 Months	75,000/-	
						Total	1,35,000/-	



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(2014-15)

Sl. No.	Date	Funding agency/Scheme	Title of project	Name of the coordinator/Guide/PI & Co-PI	Name of the Students	Duration	Amount sanctioned	Status
1	28/2/15	KSCST SSP-38 Series	Protection of crops and proper usage of rain water using whether sensor and GSM Technology	Mr. Santhosh Kumar. B	Nagaraja Mamatha K	6 Months	30,000/-	Completed
2	19/5/15	IE (I)-R &D Grant in aid	Image Encryption and Decryption for Real time Applications (PG2015027)	Mr. Parameshachari. B. D	Kanchan Nazere	6 Months	25,000/-	Completed
						Total	55,000/-	



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(2013-14)

Sl. No.	Date	Funding agency/Scheme	Title of project	Name of the coordinator/Guide/PI & Co-PI	Name of the Students	Duration	Amount sanctioned	Status
1	5/03/14	KSCST SSP-37 Series	Cost effective implementation of stroboscope (37S0089)	Mrs.R.Jaya Gowri	Nischitha C and others	6 Months	5,500/-	Completed
2	23/12/13	VGST -TRIP	Optical Character recognition of handwritten scripts	Mr.B. Sudharshan	Abhijith M Rao and others	6 Months	40,000/-	Completed
						Total	45,500/-	