



Academic year 2021-2022

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

INDUSTRIAL CONSULTANCY PROJECTS TAKEN UP BY THE FACULTY

Total: 30

Sl. No	Consultancy Title	Status	Client	Date	Amount In Lakhs	Name of the Faculty Involved
2021-2022						
1.	Radio Access channel optimization and 5G Beam optimization	In Progress	NOKIA	June-2022	3	Dr.Nethravathi K A
2.	Image processing using ML for analysing the trends in pest infestation in precision Agriculture for smart farming Pest traps	In Progress	GR Agritek Labs Pivate Limited	May-2022	0.236	Dr.Shylashree N
3.	Design and development of Instrumentation amplifier to measure low resistance	Completed	GR Agritek Labs Pivate Limited	Nov-2021	0.885	Dr.Abhay Deshpande Dr.Geetha K.S
4.	Training program in BEL	Completed	BEL-Bangalore	Oct-2021	2.05068	Dr. K.S Geetha Dr. Uma B.V Dr.Uttara Kumari Dr. Ravishankar S Dr.Ravish Aradhya Dr.Shusrutha K S Dr. Nithin M Dr.Mahesh A, Dr M G Govind raju Dr. K Sreelakshmi,
5.	Radiation measurements at	Completed	mjunction	Aug-2021	0.59	Dr.Mahesh A Dr.Shusrutha K S



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	Robert Bosh					Dr. Uttarakumari,
6.	Antenna Testing	Completed	Wav-Com, NAL	Aug- 2021	3.50397	Dr.Mahesh A Dr.Shusrutha K S
7.	Simulation Studies to Understand the Properties of Pure Skies Omnidirectional Antenna	Completed	DEVIC	Sept- 2021	0.944	Dr. M UttaraKumar Dr.Mahesh A Dr.Shusrutha K S
8.	Design, modelling, simulation of Omnidirectional Biconical Antennaa	In Progress	INMERC	Oct-2021	3.89	Dr.Geetha K S Dr.Mahesh A Dr.Shusrutha K S
9.	Radiation measurements at Robert Bosh	Completed	mjunction	March 2022	0.59	Dr.Mahesh A Dr.Shusrutha K S Dr. Uttarakumari,
10.	Internship COE SAS	Completed	Summer Internship	Sept- 2021	1.00	Dr.Mahesh A Dr.Shusrutha K S Dr. Geetha K S
2020-2021						
1.	Data collection and Annotation	Completed	WIPRO	2020	15	Dr. Uttarakumari, Dr.M G Govinda raju Dr.Sujata Badiger Dr.Rajani Katiyar Dr.Chethana g Dr.Jayanthi P N Prof. B M Mahindra Prof. Ravishankar Holla
2.	System apparatus for performing secure computations on medical data in	Completed	Siemens Healthcare GmbH	Dec- 2020	0.86389	Dr.Shylashree N



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	cloud					
3.	Variable Frequency Drive	Completed	ALLEDGE Soft and logic (OPC) Pvt. Ltd	Sept-2020	0.5	Dr. Shylashree N Dr.Uma B.V
4.	Design and Development of sensor-array based E-nose drone for Industrial Automation	Completed	QTRONICS	Mar-2021	0.574	Dr.Abhay Deshpande Dr.Nagaraj Bhat Dr.Geetha K.S
5.	Development of highly transparent and conducting nano-scaled Indium Tin Oxide(ITO) powder for surface coating applications	In progress	Nanorama Technologies Private Ltd	Sept-2020	0.855	Dr. Manjunath C, Dr. Uttarakumari, Dr. Subramanya K N
6.	Antenna Testing	Completed	Wav-Com, NAL	2020-21	1.15	Dr.Mahesh A Dr.Shusrutha K S
7.	Analysis and Independent testing of Flexible PCB Antennas	Completed	SLN Technologies	Aug-2020	0.75816	Dr. M UttaraKumar Dr.Mahesh A Dr.Shusrutha K S
8.	Internship COE SAS	Completed	Summer Internship	Sept-2020	0.58410	Dr.Mahesh A Dr.Shusrutha K S Dr. Nithin M Prof. Swetha Baliga
2019-2020						
1.	Data logging System for FTTA (Fiber to the Antenna	In progress	TE connectivity	Jan-2020	3	Dr. K.S Geetha



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	Assembly)					
2.	Deep Learning based Character Recognition(OCR) Vision system	Completed	DeepHive Technology Services Pvt.Ltd	June - 2019	3.186	Dr. K.S Geetha Dr. Usha Rani K.R
3.	Analysis of 5-degree freedom humanoid hand	Completed	Ideas Unlimited	July- 2019	0.1	Dr.Abhay Deshpande Dr.Geetha K.S
2018-2019						
1.	Design and Development of 6 Degrees of freedom collaborative Robot	Completed	TE Connectivity, Bangalore	Oct-2018	13	Dr.Geetha.K.S Dr.UshaRani.K.
2.	Training program in BEL	Completed	BEL- Bangalore	Oct-2018	1.16	Dr. K.S Geetha Dr. Uma B.V Dr.Uttara Kumari Dr. Ravishankar S
2017-2018						
1.	Reliability Testing of Raspberry Pi Controller	completed	TE connectivity	Nov- 2017	5	Dr.Geetha.K.S Dr.UshaRani.K. Subramanya K.N
2.	Design of an Automated System to Pick and Place Gift Toys from Bowl to the Conveyor	completed	SamsonAutomation Technologies Panchkula, Haryana -1	Dec- 2017	12	Dr.Geetha.K.S Dr.UshaRani.K.. R Prof. Saba Farheen
3.	Designing and developing smart kitchen drawer system	completed	Insta-Kitchen	May 2017	0.5	Dr. B.V Uma Govinda Raju M
4.	Large power generation (energy recovery) using Bruderer machine	completed	TE connectivity	Jan-2017	8.5	Dr.Geetha.K.S Dr.UshaRani.K.
5.	Energy Regeneration using Micro Hydro turbine generation	completed	TE connectivity	Jan-2017	8	Dr.Geetha.K.S Dr.UshaRani.K.
6.	Energy harvesting	Completed	TE	Jan-2017	1.08186+	Dr.Geetha.K.S



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	using Triboelectric Nano generator		connectivity	De-2018	3.658	Dr.UshaRani.K.. R Dr.SatheeshBabu Mrs.Roopaj
2014-2015						
1.	Design and Development of automatic traverse winder with vision system and interleave paper for a stamping press	Completed	TE connectivity	January 2015	22	K.S.Geetha Usharani
2.	Antenna training	Completed	BSF	January 2015	0.5	Shushrutha K.S
TOTAL: 118.69066 Lakhs						



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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
INDUSTRIAL CONSULTANCY PROJECTS TAKEN UP BY THE FACULTY DURING THE
ASSESSMENT YEARS

Sl. No	Consultancy Title	Status	Client	Date	Amount In Lakhs	Name of the Faculty Involved
CAY 2021-2022						
1.	Radio Access channel optimization and 5G Beam optimization	In Progress	NOKIA	June - 2022	3	Dr.Nethravathi K A
2	The design and Development of Smart Pest Traps	In progress	GR Agritek Labs Private Limited	2022	0.236	Dr.Shylashree N
3.	Training program in BEL	Completed	BEL- Bangalore	2021	2.05068	Dr.K S Geetha Dr.Uma B V Dr.Uttara Kumari Dr.Ravish Aradhya Dr.Ravishanjar S Dr.Nithin M Dr. Mahesh A Dr. m G Govind raju Dr. K Sreelakshmi
4.	Design and development of Instrumentation amplifier to measure low resistance	Completed	GR Agritek Labs Private Limited	2021	0.885	Dr.Abhay Deshpande,Dr.Geetha K.S



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5.	Radiation measurements at Robert Bosh	Completed	Mjunction	2021	0.59	Dr.Mahesh A Dr.Shusrutha K S Dr. Uttarakumari,
6.	Antenna Testing	Completed	Wav-Com, NAL	2021	3.50397	Dr.Mahesh A Dr.Shusrutha K S
7.	Simulation Studies to Understand the Properties of Pure Skies Omnidirectional Antenna	Completed	DEVIC	2021	0.944	Dr. M UttaraKumar Dr.Mahesh A Dr.Shusrutha K S
8.	Design, modelling, simulation of Omnidirectional Biconical Antennaa	In Progress	INMERC	2021	3.89	Dr.Geetha K S Dr.Mahesh A Dr.Shusrutha K S
9.	Radiation measurements at Robert Bosh	Completed	mjunction	2022	0.59	Dr.Mahesh A Dr.Shusrutha K S Dr. Uttarakumari,
10.	Internship COE SAS	Completed	Summer Internship	2020	1.00	Dr.Mahesh A Dr.Shusrutha K S Dr. Nithin M Prof. Swetha Baliga
CAY-1 2020-2021						
1.	Data collection and Annotation	Completed	WIPRO	2020	15	Dr. Uttarakumari, Dr.M G Govinda raju Dr.Sujata Badiger Dr.Rajani Katiyar Dr.Chethana g Dr.Jayanthi P N



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						Prof. B M Mahindra Prof. Ravishankar Holla
2.	System apparatus for performing secure computations on medical data in cloud	Completed	Siemens Healthcare GmbH	2020	0.86389	Dr.Shylashree N
3.	Variable Frequency Drive	Completed	ALLEDG E Soft and logic (OPC) Pvt. Ltd	2020	0.5	Dr. Shylashree N Dr.Uma B.V
4.	Design and Development of sensor-array based E-nose drone for Industrial Automation	Completed	QTRONIC S	2021	0.574	Dr.Abhay Deshpande Dr.Nagaraj Bhat Dr.Geetha K.S
5.	Development of highly transparent and conducting nano-scaled Indium Tin Oxide(ITO) powder for surface coating applications	In progress	Nanorama Technologies Private Ltd	2020	0.855	Dr. Manjunath C, Dr. Uttarakumari, Dr. Subramanya K N
6.	Antenna Testing	Completed	Wav-Com, NAL	2020	1.15	Dr.Mahesh A, Dr.Shusrutha K S



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7.	Analysis and Independent testing of lexible PCB Antennas	Completed	SLN Technologies	2020	0.75816	Dr. M UttaraKumar Dr.Mahesh A Dr.Shusrutha K S
8.	Internship COE SAS	Completed	Summer Internship	2020	0.58410	Dr.Mahesh A Dr.Shusrutha K S Dr. Nithin M Prof. Swetha Baliga
CAY-2 2019-2020						
1.	Data logging System for FTTA (Fiber to the Antenna Assembly)	In progress	TE connectivity	2020	3	Dr. K.S Geetha
2.	Deep Learning based Character Recognition(OCR) Vision system	Completed	DeepHive Technology Services Pvt.Ltd	2019	3.186	Dr. K.S Geetha Dr. Usha Rani K.R
3.	Analysis of 5-degree freedom humanoid hand	Completed	Ideas Unlimited	2019	0.1	Dr.Abhay Deshpande Dr.Geetha K.S
GRAND TOTAL: 43.2608 Lakhs						

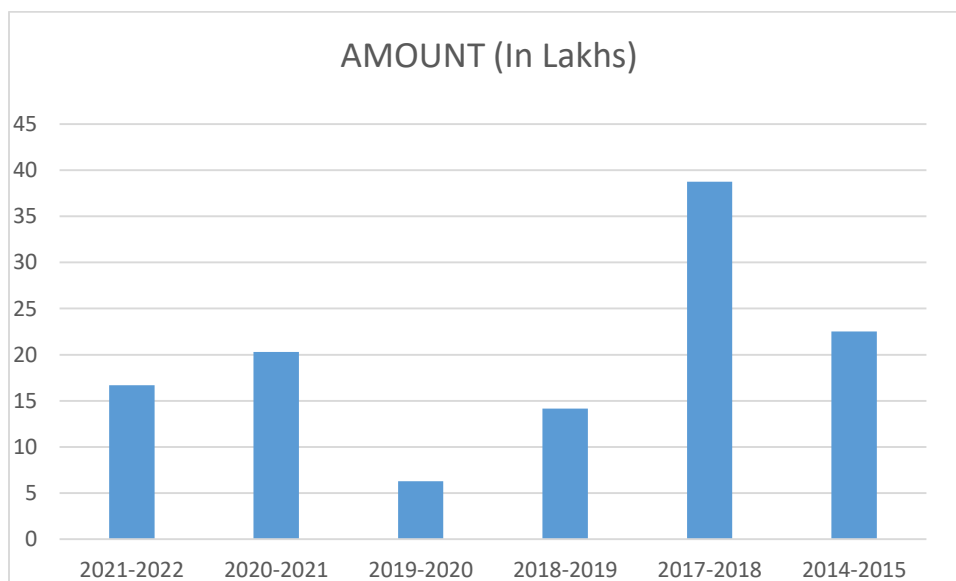


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FUNDING THROUGH CONSULTANCY

YEAR	AMOUNT (In Lakhs)
2021-2022	16.68965
2020-2021	20.28515
2019-2020	6.286
2018-2019	14.16
2017-2018	38.73986
2014-2015	22.5
TOTAL	118.69066





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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

FUNDING THROUGH CONSULTANCY DURING THE ASSESSMENT YEARS

YEAR	AMOUNT (In Lakhs)
2021-2022	16.68965
2020-2021	20.28515
2019-2020	6.286
TOTAL	43.2608

