

5. Current Research Activities at ADSPR Lab

5.1 Sponsored Projects (running)

SI	NAME OF PROJECT	FUNDING AGENCY	PRINCIPAL INVESTIGATOR/ CO-INVESTIGATOR	DURATION
1	Effect of Mimicked Speech on Automatic Speaker Verification	Rs. 5.995 Lakhs allotted by Kerala State Council for Science, Technology and Environment (KSCSTE)	-Dr. Leena Mary Anish Babu K. K	3 years Start date : 10.01.2011 End Date: 10.01.2014 (Completed)
2	Development of prosodically guided phonetic engine for searching speech databases in Indian languages	Rs.27.6 Lakhs allotted by Department of Information Technology (DIT), Govt. Of India for the first year.	-Dr. Leena Mary Co-Investigators- Anish Babu K. K, Riyas K. K.	2 years Start date : 23.12.2011 End Date: 30-04-2015 (Completed)
3	Study of sound signature for vehicle characterization	Rs.10 lakhs RPS, AICTE	Co-Investigator- Dr. Leena Mary	2 years (Jul2012-2014)
4	Audio Visual Cues for Analysis of Heterogenic Traffic	Rs.8 Lakhs CTRANS NIT, Trichi	PI- Dr. Bino I Koshy (Dept. of Civil Engg.) Co-PI- Dr. Leena Mary	2 years (2015-2017) (ongoing)
5	Automatic Forensic Speaker Recognition: Coping with Voice Forgery, VoIP, Channel and Noise	12.62 Lakhs KSCSTE	PI- Dr.Leena Mary u Jose Co-PI- Dr.Renu Jose	3 years (Jan 2015-Jan 2018) (ongoing)

5.2 Research Seed Money project (running)

SI	NAME OF PROJECT	FUNDING AGENCY	PRINCIPAL INVESTIGATOR/ CO-INVESTIGATOR	DURATION
1	Fractal Analysis of epileptic EEG Data	Rs. 1.2 lakhs CERD, Govt of Kerala, Research Seed Money	Principal Investigator-Dr. Indiradevi K. P.	2 years (Dec 2012-2014)
2	Automated Traffic Analysis System	1.6 Lakhs TEQIP Seed Money	Dr.Manju Manuel	1 year (14.05.2014- 14.05.2015)

5.3 M. Tech mini projects (completed)

No	Title	Name of student	Guide 1	Guide 2
1	Study of vehicle sound for counting and classification	Jobin George	Riyas K S	Dr. Leena Mary
2	Connected digit recognition for Malayalam language	Sreejith	Riyas K S	Dr. Leena Mary
3	Voice Menu	Ranjith S	Anish Babu K K	Dr. Leena Mary
4	ASR for Access Control	Karthik Selvan	Anish Babu K K	Dr. Leena Mary

5.4 M. Tech main projects (completed)

No	Title	Name of student	Supervisors
1	Exploring vehicle sound signatures for characterisation of heterogeneous traffic	Jobin George	Riyas K S Dr. Leena Mary
2	Phonetic engine in Malayalam	Sreejith	Riyas K S Dr. Leena Mary
3	Prosody based forensic speaker recognition	Ranjith S	Anish Babu K K Dr. Leena Mary
4	Spectral based Text Independent speaker recognition	Karthik Selvan	Anish Babu K K Dr. Leena Mary