

**Projects under Cognitive Science Research Initiative (CSRI)
[2016-17]**

Sl. No.	Reference No. & Project Title	PIs Name & Address	Duration (Years)	Total Cost (Rs.)
1.	SR/CSRI/10/2016 Adolescent children of alcoholics (ACoAs): Assessment of cognitive functions, salivary stress biomarkers, gender-based experiences and responses to their father's alcohol dependence.	Dr Prasanthi Nattala Associate Professor Department of Nursing, National Institute of Mental Health and Neuro Sciences Bangalore-560029. Karnataka	3	50,55,482/-
2.	SR/CSRI/21/2016 Oscillatory network dynamics in perceptual learning.	Dr Dipanjan Roy Asst Professor, Cognitive Science Lab, Center of Behavioural and Cognitive Sciences, University of Allahabad Allahabad-211002. Uttar Pradesh	3	50,55,482/-
3.	SR/CSRI/27/2016 Basal ganglia as a subcortical substrate of exploratory decision making: a functional imaging-based investigation.	Dr V Srinivasa Chakravarthy Professor, Department of Biotechnology, Indian Institute of Technology Madras, Chennai-600036. Tamil Nadu	3	45,73,680/-
4.	SR/CSRI/39/2016 The Brainstem Chemosensory machinery: A novel target for sleep regulation and cognitive functions.	Dr Sushil K Jha Associate Professor, School of Life Sciences, Jawaharlal Nehru University New Delhi-110067. Delhi	3	51,47,600/-
5.	SR/CSRI/44/2016 Assessing functional role of Nrf2 signaling in vitamin D deficiency induced cognitive dysfunction in Type 2 Diabetes Mellitus.	Dr R Rajalakshmi Professor, Department of Physiology, JSS Medical College, Mysuru-570015. Karnataka	3	29,63,252/-
6.	SR/CSRI/49/2016 Can cortical excitability changes predict the onset of cognitive impairment in parkinson's disease?	Dr Pramod Kumar Pal Professor, Department of Neurology, National Institute of Mental Health and Neuro Sciences (NIMHANS) Bangalore-560029. Karnataka	3	62,94,330/-
7.	SR/CSRI/80/2016 The neurobiology of dyslexia: integrating brain and behaviour.	Dr Nandini C Singh Cognitive Science and Neuroimaging, National Brain Research Centre, Manesar-122051. Haryana	3	28,49,000/-
8.	SR/CSRI/85/2016 Efficacy of computer based training module on auditory and cognitive skills in children with central auditory processing disorders.	Dr Prawin Kumar Reader, Department of Audiology, All India Institute of Speech and Hearing, Manasagangothri Mysore-570006. Karnataka	3	18,05,520/-

9.	SR/CSRI/102/2016 Attention inhibition, identity & affective evaluation.	Dr Shruti Tewari Visiting Assistant Professor, Department of Humanities and Social Sciences, Indian Institute of Management, Indore-453556. MP	3	11,96,800/-
10.	SR/CSRI/127/2016 QEEG based neural correlates and microstates of attention and interference in ADHD: An endophenotypic marker.	Dr Simran Kaur Asst Professor, Department of Physiology, All India Institute of Medical Sciences, New Delhi-110029. Delhi	1	47,52,000/-
11.	SR/CSRI/132/2016 Auditory processing and auditory-cognitive measures in carriers of mutated genes that cause hearing loss.	Dr M Sandeep Reader, Department of Audiology, All India Institute of Speech and Hearing, Manasagangothri Mysore-570006. Karnataka	3	29,24,720/-
12.	SR/CSRI/141/2016 Effect of type II diabetes mellitus on cognitive functions.	Dr P Satheesh Research Scientist, Department of Computational Intelligence and Neuroscience, Institute of Bioinformatics and Computational Biology, Visakhapatnam-530017. Andhra Pradesh	3	36,63,600/-
13.	SR/CSRI/143/2016 Exploring the relevance of social cognition deficits to functional outcomes in schizophrenia patients living in rural Indian Communities.	Dr Naveen C Kumar Associate Professor, Department of Psychiatry, National Institute of Mental Health and Neuro Sciences Bangalore-560029. Karnataka	3	32,15,200/-
14.	SR/CSRI/151/2016 Structural and functional imaging correlates of cognitive dysfunction in relapsing remitting multiple sclerosis.	Dr Sruthi S Nair Assistant Professor, Department of Neurology, Sree Chitra Tirunal Institute for Medical Sciences and Technology Thiruvananthapuram-11. Kerala	3	51,06,120/-
15.	SR/CSRI/155/2016 Studies on neuroprotective mechanisms and efficacy of coated nano antioxidants in chronic stress induced neurological diseases.	Dr K Prasad Professor and Principal, Department of Pharmacology, Shri Vishnu College of Pharmacy, Godavari (W)-534202. Andhra Pradesh	3	51,06,120/-
16.	SR/CSRI/162/2016 Assessment of cognitive, neuroanalytical and neurofunctional abnormalities in adults with Type 1 Diabetes.	Dr Yashdeep Gupta Assistant Professor, Department of Endocrinology & Metabolism, All India Institute of Medical Sciences, New Delhi-110029. Delhi	3	39,32,480/-
17.	SR/CSRI/165/2016 Brain behaviour functioning of juvenile delinquents: Reshaping by integrated intervention programme.	Dr Sanjukta Das Professor, Department of Psychology, University College of Science and Technology, University of Calcutta Kolkata-700009. West Bengal	3	31,77,420/-

18.	SR/CSRI/179/2016 Pediatric brain:white matter volumetry and plasticity in response to direct versus indirect insult to the brain-Traumatic brain injury (TBI) vs Brachial plexus Injury (BPI).	Dr B Indira Devi Professor, Department of Neurosurgery, National Institute of Mental Health and Neuro Sciences (NIMHANS) Bangalore-560029. Karnataka	3	28,45,600/-
19.	SR/CSRI/185/2016 Adaptive circadian rhythm through dynamic LED lighting-An approach for non-medical treatment for sleeping disorders and improvised efficiency for night-shift workmen.	Dr M Srinagesh Professor, Department of ECE, PACE Institute of Technology and Sciences, Ongole-523272.	3	20,45,482/-
20.	SR/CSRI/190/2016 Development of cognitive retraining module for improving cognitive deficits of abstinent patients with alcohol dependence syndrome, cannabis dependence syndrome and opioid dependence syndrome in a tertiary care de-addiction centre of Northern India.	Dr Gauri Shanker Kaloiya Assistant Professor, National Drug Dependence Treatment Centre (NDDTC) All India Institute of Medical Sciences, New Delhi-110029. Delhi	3	31,05,200/-
21.	SR/CSRI/196/2016 To study the persistent cognitive deficits during experimental cerebral malaria and possible recovery using apocynin and citicholone as adjunct therapy.	Dr P Prakash Babu Professor, Department of Biotechnology & Bioinformatics, School of Life Sciences, University of Hyderabad, Hyderabad-500046. Telangana	3	31,05,200/-
22.	SR/CSRI/197/2016 Dynamic adjustments in control: EEG characterization of anxiety and its effect on cognitive control.	Dr Bhoomika R Kar Professor, Centre of Behavioural and Cognitive Sciences, University of Allahabad, Allahabad-211002. Uttar Pradesh	3	35,23,600/-
23.	SR/CSRI/201/2016 Study of neuro medical diagnostics of cognitive impairment in case of parkinson disease using real-time multi-channel microelectrode neural recording system.	Dr Venkateshwara Rudraraju Rama Raju Professor Department of Computer Science & Engineering, CMR College of Engineering & Technology Hyderabad-501401. Telangana	3	65,24,400/-
24.	SR/CSRI/210/2016 Insights into role of a dyslexia linked long non-coding RNA (Inc RNA) in human neural stem cell differentiation.	Dr Pankaj Seth Professor and Scientist VI, Cellular ana Molecular Neuroscience,National Brain Research Centre Manesar-122051. Haryana	3	32,72,420/-
25.	SR/CSRI/272/2016 Mitigating design fixation in Indian engineering students.	Dr P V Raja Shekar Associate Professor, Department of Physics, SR Engineering College Warangal-506371. Telangana	3	

26.	SR/CSRI/275/2016 Feedforward postrual control: investigation of a potential neur-motor marker for early detection of mild cognitive impairment.	Dr Neeta Kanekar Asst Professor, Department of Biosciences & Bioengineering, Indian Institute of Technology Bombay, Mumbai-400076. Maharashtra	3	23,30,600/-
27.	SR/CSRI/283/2016 Repetitive transcranial magnetic stimulation (rTMS) in the rehabilitation of bilingual aphasia.	Dr Gopee Krishnan Associate Professor ,Department of Speech and Hearing,School of Allied Health Sciences, Manipal University, Manipal-576104. Karnataka	3	17,88,040/-
28.	SR/CSRI/285/2016 Role of intentionality in emotion perception and sense of agency.	Dr Devpriya Kumar Asst Professor, Department of Humanities and Social Sciences, Indian Institute of Technology Kanpur, Kanpur-208016. Uttar Pradesh	3	73,88,160
29.	SR/CSRI/296/2016 Personality changes after traumatic brain injury in relation to its severity.	Dr R.S Swaroopachary Asst Professor, Department of Psychiatry, SVS Medical College & Hospital, Mahabubnagar-508001. Telangana	3	24,58,800/-
30.	SR/CSRI/307/2016 Understanding vision from filling in and visual illusion perspectives with the help of computational modelling.	Dr Kuntal Ghosh Asso Professor,Department of Machine Intelligent Unit, Indian Statistical Institute Kolkata-700108. West Bengal	3	68,41,600/-
31.	SR/CSRI/331/2016 Internal state-dependent modulation of decision-making: CART neuropeptide in coordinating energy levels with risk-taking behaviour at the amygdala.	Dr N.K Subhedar Professor,Biology Division, Indian Institute of Science Education and Research, Pune-411008. Maharashtra	3	14,40,600/-
32.	SR/CSRI/344/2016 Big data analysis: A key to understand the dynamics of collaborative knowledge building.	Dr S R Sudarshan Assistant Professor,Dept of Computer Science and Engineering, Indian Institute of Technology Ropar, Rupnagar-140001. Punjab	3	34,21,800/-
33.	SR/CSRI/353/2016 Cognitive immuno cross talk in a streptozotocin-induced rat model of alzheimer's disease.	Dr Tusharkanti Ghosh Professor, Department of Physiology, University College of Science and Technology, University of Calcutta Kolkata-700009. West Bengal	3	28,94,260/-
34.	SR/CSRI/362/2016 The effect of repeat advertisements and advertisement variations on altitude change of Indians towards social messages.	Dr R Archana Reddy Professor,Dept of Mathematics, S R Engineering College, Warangal-506371. Telangana	3	37,73,600/-
35.	SR/CSRI/367/2016 Context vector machine for thematic traits in multimedia files and documents.	Dr K Srujan Raju Professor , Department of Computer Science & Engineering (CSE), CMR Technical Campus, Kandlakoya, Hyderabad-501401. Telangana	3	23,73,800/-

36.	SR/CSRI/370/2016 Intelligent system to classify human brain signals for finding brain diseases.	Dr G Sasikumar Associate Professor, Department of Computer Science and Systems Engineering, Sree Vidhyanikethan Engineering College, Tirupati-517102. Andhra Pradesh	3	50,55,482/-
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