

**Title of the Scheme: Technology Interventions for the Disabled and Elderly (TIDE)
Financial Year 2019-2020**

<i>Sl.No</i>	<i>Title of the Project</i>	<i>Name & Designation of the PI, Organization name & address</i>	<i>State</i>	<i>Amount Sanctioned (in Rupees)</i>	<i>Amount Released in 2019-20 (General & Capital Component in Rupees)</i>
1.	Identifying and Profiling Skill Development Activities for Generating Potential Employment Opportunities for The Persons with Disabilities – A Study	Dr. C. Chandrasekhar, Department of Electronics and Communication Engineering, S V College of Engineering, Tirupati, Andhra Pradesh 517507	Andhra Pradesh	Rs. 27,76,209/-(G) Nil (C) Total Rs. 27,76,209/-	Rs. 21,23,209/-(G)
2.	Automatic Pain Intensity Detection by Analysing the Facial Expressions Caused Due to Pain	Dr. NeeruRathee, Department of Electronics and Communication Engineering, Maharaja Surajmal Institute of Technology, C-4, Janakuri, New Delhi – 110058	Delhi	Rs.1,12,000/-(G) Rs.3,40,000/-(C) Total Rs. 4,52,000/-	Rs. 1,00,000/-(G) Rs. 3,40,000/-(C)
3.	Development of a Tool in Aid for Patients Suffering from Amyotrophic Lateral Sclerosis using the Developed Low-cost Eye Tracker	Dr. Ajay Kumar, Computer Science and Engineering Department, Thapar University, Patiala – 147004	Punjab	Rs. 9,89,872/-(G) Rs. 48,000/-(C) Total Rs. 10,37,872/-	Rs. 4,94,936/-(G) Rs. 48,000/-(C)
4.	Development of CamEYE for the Visually Challenged	Dr. Jhulik Bhattacharya, CSED Department, Thapar Institute of Engineering and Technology, Patiala-147004	Punjab	Rs. 20,48,744/-(G) Rs. 7,63,165/-(C) Total Rs. 28,11,909/-	Rs. 10,24,372/-(G) Rs. 7,63,165/-(C)
5.	Embedded system for Alternative and Augmentative	Mr. Anil Prabhakar, Department of Electrical Engineering,	Tamil Nadu	Rs. 14,97,186/-(G) Rs. 5,13,750/-(C) Total: Rs.20,10,936/-	Rs. 7,19,596/-(G) Rs. 5,13,750/-(C)

	communication (AAC)	India Institute of Technology Madras, Chennai – 600025			
6.	Wireless body sensor network supported Sleep Disorder Analysis system	Dr. A Balaji Ganesh, Professor, Department of Electrical and Electronics Engineering, Velammal Engineering College, Chennai – 600 066	Tamil Nadu	Rs.19,10,740/-(G) Rs.7,42,000/-(C) Total Rs. 26,52,740/-	Rs. 9,75,100/-(G) Rs. 7,42,000/-(C)
7.	Efficient Recognition and Interpretation of Indian Sign Language Using Microsoft Kinect	Dr. T. Raghuvvera, Department of CSE, Anna University, Chennai – 600 025	Tamil Nadu	Rs. 19,62,788/-(G) Rs. 3,30,745/-(C) Total Rs. 22,93,533/-	Rs. 7,68,469/-(G) Rs. 3,30,745/-(C)
8.	e –TLSID: Tool to impart Livelihood Skills for Intellectually Disabled	Dr. S. Poonkuzhali, Rajalakshmi Engineering College Rajalakshmi Nagar, Thandalam, Chennai – 602 105	Tamil Nadu	Rs. 39,80,000/-(G) Rs.13,23,931/-(C) Total Rs. 53,03,931/-	Rs. 20,20,000/-(G) Rs. 13,23,931/-(C)
9.	Development of health foods kit for elderly population with diabetes	Dr. S. Shobana, Madras Diabetes Research Foundation, Chennai - 600 086	Tamil Nadu	Rs. 64,72,833/-(G) Rs.8,72,846/-(C) Total Rs. 73,45,679/-	Rs. 21,07,771/-(G) Rs. 8,72,846/-(C)
10.	Design and development of an affordable gait training device	Dr. D S Mohan Varma, Department of Mechanical Engineering, Vellore Institute of Technology, Vellore, Tamil Nadu – 632 104	Tamil Nadu	Rs. 22,86,802/-(G) Rs. 2,28,468/-(C) Total Rs. 25,15,270/-	Rs. 7,11,786/-(G) Rs. 2,28,468/-(C)
11.	Speech to Speech Assistive System for Speech impaired persons	Dr. Elwin Chandra Monie, Electronics and Communication Engineering Department, R.M.K College of Engineering, Gummadipoondi, Tamil Nadu – 601206	Tamil Nadu	Rs. 22,32,696/-(G) Rs. 3,86,440/-(C) Total Rs. 26,19,136/-	Rs. 7,22,408/-(G) Rs. 3,86,440/-(C)
12.	Remote Diagnosis System for Assisted Living Using Internet of Things for	Mr. Guruswamy Revana, Associate Professor, Department of Electrical &	Telangana	Rs. 33,06,199/-(G) Rs.15,14,765/-(C) Total Rs. 48,20,964/-	Rs. 11,02,066/-(G) Rs. 15,14,765/-(C)

	Rural Areas	Electronics Engineering, BVRIT Hyderabad College of Engineering for Women, Nizampet, Rajiv Gandhi Nagar, Hyderabad, Telangana – 500 090			
13.	Development of Bio-Degradable Prosthetic Limbs Using 3D-Printing for Moment Disability People	Dr. M Shunmugasundaram, Mechanical Engineering Department, CMR Technical Campus, Kandlakoya, Medchal Road, Hyderabad- 501401	Telangana	Rs. 15,54,816/-(G) Rs. 20,35,500/-(C) Total Rs. 35,90,316/-	Rs. 7,77,408/-(G) Rs. 20,35,500/- (C)
14.	Assistive device to impart perceptual ability to visually-impaired using intelligent scene captioning	Dr. Malay Kishore Dutta, Center for Advanced Studies, Dr. A.P.J. Abdul Kalam Technical University, Lucknow, Uttar Pradesh – 226031	Uttar Pradesh	Rs.32,44,200 /-(G) Rs.6,80,987 /-(C) Total Rs. 39,25,187/-	Rs. 10,68,000/-(G) Rs. 6,80,987/-(C)