**Interdepartmental and Inter-institutional collaborative activity of Dr Kavita Thakur –School of Electronics and Photonics, PRSU, Raipur**

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| --- | --- | --- | --- | --- |
| S. No. | Type of Collaboration | Collaboration with | Sponsors [Amount] | Output |
|  | **Doctoral research ( Dr. Kavita Thakur)**  a. Title: Design and Implementation of Image Enhancement  Techniques in Frequency Domain  b. Title:Extraction of Speech Parameters for Person Identification  using FIR Filter  c. Title: Speech Signal Processing of Mentally Retarded Persons for Identification of their Mental Status  d. Video processing (Waiting for RDC, title not yet finalized ) | CSVTU Bhilai  NIT Raipur  ( formerly Govt Engg. College, Raipur)  NIT Raipur  ( formerly Govt Engg. College, Raipur)  NIT Raipur | - | PhD degree awarded to Dr Ganesh Ku Sinha in 2010  PhD degree awarded to Moushmi Kar in 2010  PhD degree awarded to K.V.R. Surya Prakash in 2010  On going |
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|  | **R&D Project( Dr. Kavita Thakur)**  Speaker Identification using DSP tools  Title: Design and Implementation of Image Enhancement  Techniques in Spacial Domain | U.G.C.,  New Delhi  CCOST,  Raipur | U.G.C New Delhi  [ Rs 0. 20 Lakh]  CCOST, Raipur [Rs.2.0 Lakh] | 2001-2003  2008-2010 |
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|  | **Joint Publications ( Dr. Kavita Thakur)**  Authors: Choubey Siddhartha, Sinha G.R., Patel Bagwati Charan, Choubey Abha, Thakur Kavita  Authors: Bhagwati Charan Patel, G.R.Sinha and Kavita Thakur  Authors: Bheshaj Kumar, Dr. Kavita Thakur, and Dr. G. R. Sinha  Authors: Dr. Kavita Thakur, Nivedita Deshpande and Dr. A.S.Zadgaonkar  Authors: Sandeep B. Patil, Dr. G.R. Sinha and Kavita Thakur  Authors: Nivedita Deshpande , Kavita Thakur and A.S.Zadgaonkar  Authors: Bheshaj Kumar, Kavita Thakur and G. R. Sinha  Authors: P.Vyas, K.Thakur T. Chandra and S. Bhushan  Authors : N. Deshpande, K.Thakur , A.S.Zadgaonkar    Authors: N. Deshpande, K.Thakur , A.S.Zadgaonkar  Authors: Vikrant Singh Thakur, DrShubrata Gupta, DrKavita Thakur  Authors: G. R. Sinha, Dr. Kavita Thakur, Dr. M. K. Kowar  Authors: VandanaJha, Kavita Thakur, G.R.Sinha  Authors: P.K.Vyas, Kavita Thakur & A.S. Zadgaonkar  Authors: KavitaThakur,MoushmiKar and A.S. Zadgaonkar  Authors: K.V.R. Suryaprakash,KavitaThakur, A.S.Zadgaonkar  Authors: Nivedita Deshpande, Kavita Thakur, A S Zadgaonkar | CSVTU, Bhilai  CSVTU, Bhilai  CSVTU, Bhilai  NIT Raipur  (formerly Govt. Engg. College , Raipur )  CSVTU, Bhilai  NIT Raipur  (formerly Govt. Engg. College , Raipur )  CSVTU , Bhilai  SOS in Physics. PRSU, Raipur  NIT Raipur  (formerly Govt. Engg. College , Raipur )  NIT Raipur  (formerly Govt. Engg. College , Raipur )    NIT Raipur  CSVTU, Bhilai  CSVTU, Bhilai  NIT Raipur  (formerly Govt. Engg. College , Raipur )  NIT Raipur  (formerly Govt. Engg. College , Raipur )  NIT Raipur  (formerly Govt. Engg. College , Raipur )  NIT Raipur  (formerly Govt. Engg. College , Raipur ) |  | Avoidance of confusion between similar looking characters in Neuro-Fuzzy based License Plate recognition. 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Journal of Ravishankar University ,  Special Issue, Part B (Science) , vol 27,  pp 108-114,2014 (May),  ISSN:: 0970-5910 |
|  | **Book Published (Dr. Kavita Thakur)**  Authors- Kavita Thakur & A. S. Zadganokar  Authors-G R Sinha , M K Kowar , Kavita Thakur  **Book Chapter (accepted for publication)**     Editos:   Prof. Yosry Morsi,Swinburn,University of Technology,Australia  Prof. Anupam Shukla, Institute of Information Technology and  Management,Gwalior, India   Chandra Prakash Rathor, Institute of Information Technology and  Management ,Gwalior, India | C V Raman University, Bilaspur  CSVTU,Bhilai  IIIIT Gwalior,  Swinburn, University of Technology,  Australia |  | Title of the Book- Phonetic parameters for status recognition of  pregnant women  Publisher- Lab LAMBERT academic Publishing GmbH & Co. KG, Germany, ISBN- 978-3-8465-4338-2. Published on the: 10.02.2012  Title of the Book- A Practical Approach to Frequency Domain Image Enhancement Methods. Quality Assessment of Digital Images Publisher- Lab LAMBERT academic Publishing GmbH & Co. KG, Germany, ISBN-978-3-659-17007-2.Published on the: 28-06-2012  Title of Book- Optimizing Assistive Technologies for Aging  Populations  Book Chapter- Assistive Technology for Heart Monitoring of  Elderly People through speech analysis  Publisher : IGI Global International  **ISBN 13 :** 9781466695306  **ESBN 13 :** 9781466695313 |