**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 Domainb. Title:Extraction of Speech Parameters for Person Identification using FIR Filterc. Title: Speech Signal Processing of Mentally Retarded Persons for Identification of their Mental Statusd. Video processing (Waiting for RDC, title not yet finalized ) | CSVTU BhilaiNIT Raipur ( formerly Govt Engg. College, Raipur)NIT Raipur ( formerly Govt Engg. College, Raipur)NIT Raipur | - | PhD degree awarded to Dr Ganesh Ku Sinha in 2010PhD degree awarded to Moushmi Kar in 2010PhD degree awarded to K.V.R. Surya Prakash in 2010On 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 DelhiCCOST,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 KavitaAuthors: Bhagwati Charan Patel, G.R.Sinha and Kavita ThakurAuthors: Bheshaj Kumar, Dr. Kavita Thakur, and Dr. G. R. SinhaAuthors: Dr. Kavita Thakur, Nivedita Deshpande and Dr. A.S.ZadgaonkarAuthors: Sandeep B. Patil, Dr. G.R. Sinha and Kavita ThakurAuthors: Nivedita Deshpande , Kavita Thakur and A.S.ZadgaonkarAuthors: Bheshaj Kumar, Kavita Thakur and G. R. SinhaAuthors: P.Vyas, K.Thakur T. Chandra and S. BhushanAuthors : N. Deshpande, K.Thakur , A.S.Zadgaonkar                Authors: N. Deshpande, K.Thakur , A.S.ZadgaonkarAuthors: Vikrant Singh Thakur, DrShubrata Gupta, DrKavita ThakurAuthors: G. R. Sinha, Dr. Kavita Thakur, Dr. M. K. KowarAuthors: VandanaJha, Kavita Thakur, G.R.SinhaAuthors: P.K.Vyas, Kavita Thakur & A.S. ZadgaonkarAuthors: KavitaThakur,MoushmiKar and A.S. ZadgaonkarAuthors: K.V.R. Suryaprakash,KavitaThakur, A.S.ZadgaonkarAuthors: Nivedita Deshpande, Kavita Thakur, A S Zadgaonkar | CSVTU, BhilaiCSVTU, BhilaiCSVTU, BhilaiNIT Raipur (formerly Govt. Engg. College , Raipur )CSVTU, BhilaiNIT Raipur (formerly Govt. Engg. College , Raipur )CSVTU , BhilaiSOS in Physics. PRSU, RaipurNIT Raipur (formerly Govt. Engg. College , Raipur )NIT Raipur (formerly Govt. Engg. College , Raipur ) NIT RaipurCSVTU, BhilaiCSVTU, BhilaiNIT 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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|  |  **Book Published (Dr. Kavita Thakur)**Authors- Kavita Thakur & A. S. ZadganokarAuthors-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, BilaspurCSVTU,BhilaiIIIIT Gwalior,Swinburn, University of Technology,Australia |  | Title of the Book- Phonetic parameters for status recognition of  pregnant womenPublisher- Lab LAMBERT academic Publishing GmbH & Co. KG, Germany, ISBN- 978-3-8465-4338-2. Published on the: 10.02.2012Title 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: 28-06-2012Title of Book- Optimizing Assistive Technologies for Aging  Populations Book Chapter- Assistive Technology for Heart Monitoring of Elderly People through speech analysisPublisher : IGI Global International**ISBN 13 :** 9781466695306**ESBN 13 :** 9781466695313 |