| **FACULTY PROFILE FORMAT (Format 3)** | | |
| --- | --- | --- |
| **Staff Name** | : | Dr. Shirley Selvan |
| **Faculty ID** | : | TEC24 |
| **Designation** | : | Associate Professor |
| **Qualification** | : | M.E., Ph.D |
| **Teaching Experience** | : | 24 years and 10 months |
| **Area of Specialization** | : | Artificial Intelligence, Machine Learning, Communication Engineering, Medical Imaging |
| **Subjects Handled** | : | Adaptive Learning Techniques  Wireless Communication  Communication Engineering  Communication theory  Microprocessors and Microcontrollers  Advanced Digital Image Processing with lab component  Digital Electronics  Satellite communication  Medical Electronics  Biomedical Instrumentation |
| **Books Published** | : | - |
| **Journals Published** | : | 1. Shirley Selvan, Kavitha M, Shenbaga Devi S and Suresh S. Automatic segmentation and feature extraction of breast lesions, International Journal of Computational Intelligence and Healthcare Informatics,vol.3, 65-69, 2010. 2. Shirley Selvan, Kavitha M, Shenbaga Devi S and Suresh S. Feature extraction for characterization of breast lesions in ultrasound echography and elastography, Journal of Computer Science, vol. 6(1),67-74, 2010.( Annexure II) 3. Shirley Selvan, Kavitha M, Shenbaga Devi S and Suresh S. Fuzzy Based Classification of Breast Lesions using Ultrasound Echography and Elastography, Ultrasound Quarterly, vol.28(3),159–167, 2012. (Impact Factor: 1.4). ( Annexure I) 4. Shirley Selvan, Shenbaga Devi S. Automatic Seed Point Selection in Ultrasound Echography Images of Breast using Texture features (Elsevier), Biocybernetics and Biomedical Engineering, vol.35, 157–168, 2015. (Impact Factor: 0.208),ISSN: 0208-5216. ( Annexure II) 5. Shirley Selvan, S. Shenbaga Devi and S Suresh. ‘Computer aided diagnosis of Breast Elastography and B-mode Ultrasound’, Advances in intelligent systems and computing, vol. 325, chapter: 24, (Springer publications), 2015. ISSN: 2194-5357. |
| **Conference /Workshop Attended** | : | 4 |
| **Patent Details** | : | - |
| **Funded Project Details** |  | - |