DEPARTMENT OF BIO-MEDICAL ENGINEERING

INTRODUCTION

Department of Bio-Medical Engineering was established in the year 2002. It conducts B.Tech Programme in Bio-Medical Engineering. The Department has well-equipped laboratories. It focuses on practical applications in the field of Medical Instrumentation, Medical Signal Image Processing.

Assets for the department are qualified faculty. Students are exposed to Seminars and workshops along with personality development programs.

The department is strengthened with a total of 9 faculties out of which 1 is pursuing PhD and the remaining hold M.Tech degree. The department has organized many workshops and seminars.

Research Projects/FDP’s/Seminar Grants/Sanctioned

<table>
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<tr>
<th>S.no</th>
<th>Name of the faculty</th>
<th>Title</th>
<th>Name of the funding agency</th>
<th>Amount in lakhs</th>
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<tr>
<td>1</td>
<td>T. Padma</td>
<td>MODROBS</td>
<td>AICTE</td>
<td>14.5</td>
<td>2013</td>
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FACULTY AND THEIR PUBLICATIONS:
Mrs. T. Padma, (ID-208) Associate Professor of BME; Coordinator, FDP; Secretary, AAC


Experience: 20 years

Research Interest: ECG Signal Processing

Journal Publications/ Conference Proceedings: 12

Journal publications

International


Conference Proceedings

International


2. T.Padma, Satish Kumar Kotha, “Application of ECG Compression Technique on Ventricular Tachycardia Signals” in (Exploit current research for harnessing the field of Life sciences) the Biofest-2012, international conference, Hyd , conference proceedings pg 18.


National


2. T.Padma, Satish Kumar Kotha, "DCT compression on Malignant Ventricular Arrhythmia signals" PIC-2012, IETE Pallakad, conference proceedings pg 150-154

Mr. Satish Kumar Kotha,(ID-811) Assistant Professor and Head, Dept. of BME

Qualifications:
M.S (Biomedical Engineering) (Louisiana Tech University, USA -2009),
B.Tech (Biomedical Engineering) (JNTU, Hyderabad - 2007).

Experience: 6 Years
Research interest: Medical Image Processing


Journal publications

International


Conference proceedings

International


National


2. T. Padma, Satish Kumar Kotha, "DCT compression on Malignant Ventricular Arrhythmia signals" PIC-2012, IETE Pallakad, conference proceedings pg 150-154
Mrs. Bhargavi Sundara, (ID-764) Assistant Professor, Dept. of BME

Qualifications: M. Tech (Embedded Systems) (JNTU - 2013),
    B.Tech (Biomedical Engineering) (JNTU, Hyderabad -2009).

Experience: 6 Years
Research interest: Rehabilitation Engineering, Biomaterials

Journal Publications/Conference Proceedings: 2

Journal publications
International


Conference Proceedings
International


Mr. A.V. Sandeep Reddy, (ID-959 Assistant Professor, Dept. of BME

Qualifications: M. Tech (Biomedical Signal Processing and Instrumentation) (VTU - 2011),

Experience: 4 Years
Research interest: Bio-Transducers and Applications

Journal Publications/Conference Proceedings: 3
Journal publications

International


Conference Proceedings

International


Ms. P. Manju Bhargavi, (ID-844)Assistant Professor, Dept. of BME


Experience: 10 Years

Research interest: Biomedical Signal Processing and Image Processing

Journal Publications/Conference Proceedings: 4

Journal publications

International


Conference proceeding

International

1. S. Bhargavi, K. Satish Kumar, T. Padma, P. Manju Bhargavi, “Image data compression using DWT and Bit plane slicing for Space applications”, International Conference on Recent Advances in Design, Development and Operation of Micro Air Vehicles (IC-

National


Mr. M. Prem Kumar, (ID-866)Assistant Professor, Dept. of BME

Qualifications: M. Tech (Embedded Systems) (JNTU - 2012),
B.Tech (Biomedical Engineering)(JNTU - 2006).

Experience: 6 Years
Research interest: Bio-Instrumentation


Conference proceedings

International


National


Mrs. B. Saritha, (ID-1138) Assistant Professor, Dept. of BME


Experience: 8 Years
Research interest: Bio-Instrumentation

Journal Publications/Conference Proceedings: 3

Journal publications

International


Conference proceedings

International

1. B. Saritha, D. Kiran Kumar, “A Smart Android Mobile Jammer”, International Conference on Innovations in Electronics and Communication Engineering, on 18th – 19th July 2014, at GNIT,

2. B.Saritha, “Sleep methods- An efficient way to reduce the leakage power” International conference on smart systems (ICSS-2013) on 7th -8th Oct 2013 at JBIET.