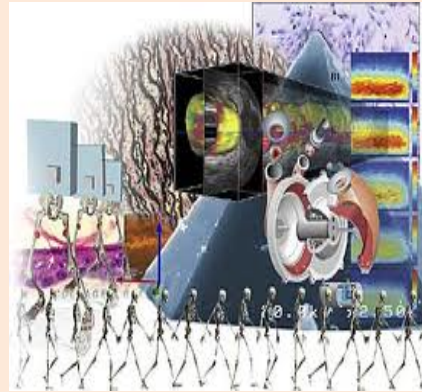
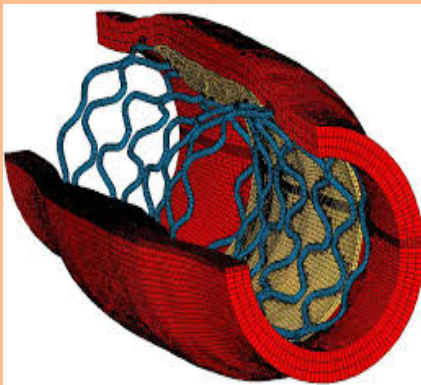




NEWSLETTER-2014



JIS COLLEGE OF ENGINEERING, KALYANI
(AN AUTONOMOUS INSTITUTE)



R & D Initiative (2014):

New Initiatives

1. Project Title: Development of cost effective real time acquisition, processing, analyzing and monitoring system of biosignal for non invasive diagnosis and prediction of cardiovascular abnormalities.

Principal Investigator: **Dr. Meghamala Dutta**

Funded By: UGC, Govt. of India

Duration: 2 Years

2. Project Title: Development of Bone Paste from Waste Egg-Shell for Bone Grafting

Principal Investigator: **Dr. Sandip Bag**

Funded By: UGC, Govt. of India

Duration: 2 Years

Ongoing:

Project Title: Design and Development of a Cardiac Parameter Monitoring System Using Common Mobile Phones for Affordable Patient Care.

Principal Investigator: **Dr. Meghamala Dutta**

Funded By: AICTE, Govt. of India

Duration: 3 Years

Faculty involvement in national/International Conference organized at JISCE, Kalyani

ICONCE2014, Organising Committee Member:

 **Dr. Sandip Bag,**
 **Dr. Karabi Ganguly**
 **Dr. Meghamala Dutta**

Faculty Achievement

- **Dr. Sandip Bag** – Reviewer of Journal of Biomedical Materials Research: Part B- Applied Biomaterials.
- **Dr. Karabi Ganguly** – Executive Member- SIRO, Govt. of India
- **Ms. Anwesha Khasnobish** – Ph.D Thesis Submitted from Jadavpur University.

Seminar/Conference/Workshop Attended by Faculty Members:

Dr. Sandip Bag

1. One Day workshop on Satisfactory Survey
2. ICONCE2014 , International Conference
3. Faculty Development Program on Pedagogy Training
4. Two-Week (02-12 January, 2014) ISTE Workshop on Signal & Systems organized by IIT Kharagpur and JIS College of Engineering, West Bengal.

Dr. Karabi Ganguly

1. 10TH.IPC 2014, International Conference
2. ICONCE2014 , International Conference
3. Faculty Development Program on Pedagogy Training

Dr. Meghamala Dutta

1. ICONCE2014 , International Conference

Mr. Souvik Das

1. Two-Week (02-12 January, 2014) ISTE Workshop on Signal & Systems organized by IIT Kharagpur and JIS College of Engineering, West Bengal.

Student Achievement

Name	Event	Position	Date
Arnab Goswami	CSE Methinks Documentry Film (Group Event)	1 st 1 st	Oct 14 Oct 14
Sreetama Das	A)CSE Methinks Debate Competition (Group Event) (B)Documentry Film (Group Event) Debate On Rashtriya Ekta Diwas	1 st 1 st 2 nd	Oct 14 Oct14 Oct 14
Nimisha Das	CSE Methinks Documentry Film (Group Event)	1 st 1 st	Oct 14 Oct 14
Shounak Nandi	CSE Methinks Debate Competition (Group Event) Quiz Competition (Group Event) Documentry Film (Group Event) Debate On Rashtriya Ekta Diwas (Group Event) Inter College Quiz	1 st 1 st 1 st 2 nd 2 nd	Oct 14 Oct 14 Oct 14 Nov 14 Aug-Sep 14
Biplab Mandal	CSE Methinks Documentry Film (Group Event)	1st	Oct 14
Ritik Garg	CSE Methinks Documentry Film (Group Event)	1st	Oct 14
Rashmie Gurung	CSE Methinks Documentry Film (Group Event)	1st	Oct 14
Tanushree Singh	CSE Methinks Documentry Film (Group Event)	1st	Oct 14
Aditi Das	CSE Methinks Documentry Film (Group Event)	1st	Oct 14
Arunima Jana	Interdepartmental Drama Competition (group event)	2nd	Nov,14
Aroma Mukherjee	Shotput(girls) Discuss throw(girls) Debate(group event) Re-worded Interdepartmental Drama Competition (group event)	3rd 1st Best Speaker 3rd 2nd	Jan, 14 Jan, 14 May, 14 Sep,14 Nov,14
Subham Sarki	Re-worded	1st	Sep,14
Sucharita Sarkar	Verbal Combat(group event) Interdepartmental Drama Competition (group event)	3rd 2nd	Nov,14 Nov,14
Madhura Sur	Interdepartmental Drama Competition (group event)	Best Performer (1st) & 2 nd in group event	Nov,14
Imon Biswas	Interdepartmental Drama Competition (group event)	2 nd in group event	Nov,14
Payel Koley	Interdepartmental Drama Competition (group event)	2 nd	Nov,14

Publication by Faculty Members (2014):

1. **Bag S** & Pal S (2014): Design and Fabrication of Polymer-Ceramic Composite Hip Prosthesis. *International Journal of Pharma and Biosciences*, Vol - 5(3), pp. 132-137, 2014. [ISSN: 0965-6299, Impact Factor – 2.958]
2. Biswas B K, Pal S & **Bag S** (2014): Clinical Efficacy of an Indigenously Developed Tissue Expander. *International Journal of Engineering Science & Research Technology*. Vol -3(4), pp. 4080-4084, 2014. [ISSN : 2277-9655].
3. **Ganguly Bhattacharjee K**, Bhattacharyya M, Halder UC, Jana P, Sinha AK (2014). The role of progesterone receptor status on maspin synthesis via nitric oxide production in neutrophils in human breast cancer. *Breast Cancer*. ISSN 1340-6868. 21:605-613
4. **Ganguly Bhattacharjee K** (2014). Significance of Photography in Breast Cancer. *1^{0th} International Conference IPC2014*. 10: PP 22-28.
5. **Das S**. Simple and cost-effective heart rate meter using PIC microcontroller, *International Journal of Engineering Sciences & Research*, pp. 3036-3042, Vol. 3(4), 2014. (ISSN No. 2277-9655; Impact Factor-1.852)
6. **Das S** and **Tibarewala D N**.: Stance stability analysis of below fifty years age post-stroke hemiplegic patients by stabilometric method, Reason- A Technical Journal, Vol. 13, pp. 9-20, 2014.
7. S Bhattacharyya, A Sengupta, T Chakraborti, A Konar, DN Tibarewala: Automatic feature selection of motor imagery EEG signals using differential evolution and learning automata, *Medical & biological engineering & computing* 52 (2), 131-139.
8. S Bhattacharyya, A Konar, **DN Tibarewala**: Motor imagery, P300 and error-related EEG-based robot arm movement control for rehabilitation purpose. *Medical & biological engineering & computing* 52 (12), 1007-1017.
9. S Bhattacharyya, A Konar, **DN Tibarewala**: A differential evolution based energy trajectory planner for artificial limb control using motor imagery EEG signal. *Biomedical Signal Processing and Control* 11, 107-113.
10. A Khasnobish, G Singh, A Jati, A Konar, **DN Tibarewala**: Object-shape recognition and 3D reconstruction from tactile sensor images, *Medical & biological engineering & computing* 52 (4), 353-362
11. M Pal, A Khasnobish, A Konar, DN Tibarewala, R Janarthanan. Performance enhancement of object shape classification by coupling tactile sensing with EEG. *Electronics, Communication and Instrumentation (ICECI)*, 2014
12. S Datta, A Khasnobish, A Konar, **DN Tibarewala**, AK Nagar: EEG based artificial learning of motor coordination for visually inspired task using neural networks. *International Joint Conference on Neural Networks (IJCNN)*, 3371-3378. 2014
13. B Champaty, BK Biswal, K Pal, **DN Tibarewala**: Random forests based sub-vocal electromyogram signal acquisition and classification for rehabilitative applications. *Automation, Control, Energy and Systems (ACES)*, 2014
14. A Banerjee, S Datta, A Konar, **DN Tibarewala**, J Ramadoss: Cognitive activity recognition based on electrooculogram analysis. *Advanced Computing, Networking and Informatics-Volume 1*, 637-644