



NEWSLETTER

BITS AND BYTES

VOLUME: I, AUGUST 19, 2016

DEPARTMENT

VISION OF THE DEPARTMENT

CSE

To continually improve upon the teaching-learning processes and research with a goal to develop quality technical manpower with sound academic and practical experience, who can respond to challenges and changes happening dynamically in Computer Science and Engineering.

Editors:

1. Dr. Mousumi Dutt,
Assistant Professor,
CSE

2. Mr. Amit Paul,
Assistant Professor,
CSE

3. Ms. Aishwarya
Murmu,
B. Tech,
1st Year,
CSE

MISSION OF THE DEPARTMENT

- To inspire the students to work with latest tools and to make them industry ready.
- To impart research based technical knowledge
- To groom the department as a learning centre to inculcate advanced technologies in Computer Science and Engineering with social and environmental awareness.

RECENT TECHNOLOGY TREND

For
Further
Information

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American Sign Language (ASL) is a visual gestural *language*. That means it is a language that is expressed through the hands and face and is perceived through the eyes. It isn't just waving your hands in the air. If you furrow your eyebrows, tilt your head, glance in a certain direction, lean your body a certain way, puff your cheek or any number of other "inflections" --you are adding or changing *meaning* in ASL. A "visual gestural" language carries just as much information as any spoken language. There is much more to learning American Sign Language than just memorizing signs. ASL has its own grammar, culture, history, terminology and other unique characteristics. It takes time and effort to become a "skilled signer".

Prof. Subarna Bhattacharjee
Head of the Department,
Department of Computer Science and Engineering,
St. Thomas' College of Engineering and Technology



St. Thomas' College of Engineering and Technology

4, Diamond Harbour Road, Kidderpore, Kolkata- 700023

DEPARTMENTAL MILESTONES

Gold Medalist in Final University Examination:

- **Smritikana Maity** (2016 passed out), DGPA: 9.42

Best Performance in MAKAUT:

- **Smritikana Maity**, 4th Year, YGPA: 9.46
- **Nicole Belinda Dillen**, 3rd Year, YGPA: 9.29
- **Sinjana Das**, 2nd Year, YGPA: 9.20
- **Ananya Das**, 1st Year, YGPA: 9.68

Events:

A **Two Days Workshop on Numerical Methods & Computer Architecture** was held by the Department of Computer Science and Engineering on **25/5/2016 to 26/5/2016** for the students of CSE 2nd year.

Speakers: Prof. Amit Kumar Paul, S.A.Jaipuria College and Prof. Surajeet Ghosh, Dept. of CSE, IEST Shibpur

PUBLICATION DETAILS

1. **Debojyoti Ghosh***, **Piyali Ganguly***, **Debashis Chakraborty[†]**, A Dictionary based Efficient Text Compression Technique using Replacement Strategy, International Journal of Computer Applications 116(16):19-23,2016.
2. **Barnali Gupta Banik[†]**, Samir Kumar Bandyopadhyay, Implementation of Image Steganography Algorithm using Scrambled Image and Quantization Coefficient Modification in DCT, 2015 International Conference on Research in Computational Intelligence and Communication Networks, Pages 400 – 405 Published in IEEE Xplore DOI: 10.1109/ICRCICN.2015.7434272.
3. **Barnali Gupta Banik[†]**, Samir Kumar Bandyopadhyay, Secret sharing using 3 level DWT method of image steganography based on Lorenz chaotic encryption and visual cryptography, 2015 International Conference on Computational Intelligence and Communication Networks, Pages 1147-1152 Published in IEEE Xplore, DOI: 10.1109/CICN.2015.223.
4. **Debashis Chakraborty[†]**, **Shouvik Saha***, **Tanay Mukherjee***, Near Lossless Image Compression Using Block Division Byte Compression and Block Optimization, In: Shetty N., Prasad N., Nalini N. (eds) Emerging Research in Computing, Information, Communication and Applications. Springer, Singapore (2016).

[†]Publications by college faculty

^{*}Publications by college students under the guidance of college faculty