St. Thomas' College of Engineering and Technology

4, Diamond Harbour Road, Kidderpore, Kolkata- 700023

DEPARTMENT

CSE

Editors:
1. Dr. Mousumi Dutt,
Assistant Professor

2. Mr. Amit Paul,
Assistant Professor,

3. Ms. Aishwarya Murmu,
B. Tech,
2nd Year,

VISION OF THE DEPARTMENT

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.

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

The identification of the change of gene expression in multifactorial diseases, such as breast cancer is a major goal of DNA microarray experiments. Here we present a new data mining strategy to better analyze the marginal difference in gene expression between microarray samples. The idea is based on the notion that the consideration of gene's behavior in a wide variety of experiments can improve the statistical reliability on identifying genes with moderate changes between samples.

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

DEPARTMENTAL MILESTONES

Best Performance in University Examination:
- **Nicole Belinda Dillen**, 4th Year, SGPA: 9.33
- **Prachi Nigania**, 3rd Year, SGPA: 9.50
- **Nikita Shah**, 2nd Year, SGPA: 9.38
- **Priya Roy**, 1st Year, SGPA: 9.63

Events:

A **Three Days Workshop on Mathematics in Computation** was held by the Department of Computer Science and Engineering on **22/6/2017 through 24/6/2017** for the students of CSE 2nd year.

Speakers: Prof. Bhabani Prasad Sinha, Professor, Advanced Computing and Microelectronic Unit, Indian tatistical Institute (ISI) and **Dr. Apurba Sarkar**, Asst. Professor, Department of CST, IIEST, Shibpur. **Abhilash Mishra** was the topper on Hands-on Session.

Dignitaries at the Opening Session of First day at the workshop named "Mathematics on Computation"	Dr. Bhabani Prasad Sinha delivering a lecture on "The Fundamentals of Computer based Algorithms" on Day 1 of the workshop named "Mathematics on Computation"

PUBLICATION DETAILS

1. **A. Paul**[†], J. Sil, "Gene selection for designing optimal fuzzy rule base classifier by estimating missing value", Applied Soft Computing, Volume 55 Issue C, Pages 276-288, Elsevier Science Publishers B. V. Amsterdam, Netherlands, 2017. Impact Factor: 3.541.

2. A. Sarkar, A. Biswas, **M. Dutt**[†], P. Bhowmick, and B. B. Bhattacharya, A Linear-Time Algorithm to Compute the Triangular Hull of a Digital Object. Discrete Applied Mathematics, Elsevier, 216(2), 408--423 (2017). (SCI Indexed) Impact Factor: 0.722.

3. **S. De**[†], M. S. Barik, and I. Banerjee. "Goal Based Threat Modeling for Peer-to-Peer Cloud." In Proc. Twelfth International Multi-Conference on Information Processing-2016, pp 64-72.

4. **Soumen K. Pati**[†], **Saptarshi Sengupta**[*], Asit K. Das, "Informative Gene Selection for Cancer Classification using Improved Genetic Algorithm", ICACIE, 2016.

[†]**Publications by college faculty**

[*]**Publications by college students under the guidance of college faculty**