



St. Thomas' College of Engineering and Technology
4, Diamond Harbour Road, Kidderpore, Kolkata- 700023

NEWSLETTER

BITS AND BYTES

VOLUME: III, EDITION: II, JANUARY 22, 2018

DEPARTMENT

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.

CSE

Editors:

1. Dr. Mousumi Dutt,
Associate Professor,

2. Dr. Amit Paul,
Assistant Professor,

3. Ms. Aishwarya Murmu,
B. Tech,
3rd Year,

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.

DEPARTMENTAL MILESTONES

Performance in NPTEL:

- **Sneha Ghosh**, 3rd year secured **100%** in Programming, Data Structures And Algorithm using Python
- **Shirshasis Saha**, 4th year secured 93% in Programming, Data Structures And Algorithm using Python
- **Meghanto Majumder**, 2nd year secured 93% in Programming, Data Structures And Algorithm using Python
- **Arnab Sen**, 3rd year secured 87% in Introduction to Machine Learning

Events:

- **Spandan Banerjee**, 1st Year, participated in INSTRUO 2017 during October 13-15, 2017, organized by Indian Institute of Engineering Science and Technology, Shibpur
- **Spandan Banerjee**, 1st Year, served as Campus Ambassador towards the initiative of building India's First Online Platelet Donor Community for Dengue patients from August – October, 2017

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Project Competition - Cognizant Technology Solutions:

- **Anwasha Dutta** and **Jayasree Bannerjee**, final year students of 2017 batch, was selected as the best project entitled “Online Irrigation System” under HoD CSE, co-guided by Mr. Shamik Rudra.

Internship:

- **Sk. Mainul Islam**, 4th year, did his internship at IIT Bombay, Computer Science & Engineering department under the guidance of Prof. Ganesh Ramakrishnan in this summer and on successful completion of the internship he offered him to join as a **Research Assistant (RA)** in the project titled “**Semi automatic system for Video dubbing using Deep Learning**” after completing his undergraduate degree

Campus Placement:

Till 31st December, 2017, 39 students of the department have been offered jobs in different companies namely Infosys, Cognizant, ITC Infotech, Nomura Research Institute and others.

PUBLICATION DETAILS

1. **M. Dutt**[†], S. Saha and A. Biswas, “A Study on the Properties of 3D Digital Straight Line Segments”, 7th International Conference on Pattern Recognition and Machine Intelligence, LNCS, Springer-Verlag, Kolkata, India, 2017.
2. **A. Halder**[†], **K. Saha**^{*}, A. Sarkar and **A. Sen**^{*}, “A Change Detection Technique using Rough C-Means on Medical Images”, International Conference on Cognitive Informatics & Soft Computing (CISC-2017), Springer, 2017.
3. **A. Halder**[†] and **S. Dutta**^{*}, “Automatic lip extraction using DHT and Active Contour”, International Symposium on Signal and Image Processing (ISSIP 2017), Springer, 2017.
4. **A. Halder**[†] and **S. Guha**^{*}, “Medical Image Segmentation using Rough-Spatial Kernelized FCM Algorithm”, 6th International Conference on Advances in Computing, Communication and Informatics, IEEE, 2017.
5. **D. Chakraborty**[†], **R. Banerjee**^{*}, **A. Das**^{*}, **S. Das**^{*}, “Teaching Aid Software – Training Autistic Children through Computers, E-Learning & E-Learning Technologies” (ELELTECH), Hyderabad. IEEE Explore, 2017.
6. **G Yasmin**[†], A. K. Das. “Textural and acoustic feature Based Speech and Non speech discrimination in audio”, International Symposium on Signal and Image Processing (ISSIP), Springer, Kolkata, India, 2017.
7. **G. Yasmin**[†], **I. Das Gupta**^{*}, A. K. Das, “Language discrimination from speech signal using perceptual and physical features”, ICCIDM, Springer, 2017.
8. **S. Sengupta**^{*}, **G. Yasmin**[†], **A. Ghosal**[†], “Speaker Recognition Using Occurrence Pattern of Speech Signal”, International Symposium on Signal and Image Processing (ISSIP), Springer, Kolkata, West Bengal, India, November, 2017.

[†]Publications by college faculty

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