SAPTHAGIRI COLLEGE OF ENGINEERING

#14/5 Chikkasandra, Hesarghatta Main Road, Bengaluru - 560057
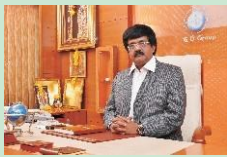
CSE MAGAZINE

SEPTEMBER 2018

MISSION

To train the students with advanced technologies in association with Industry, to promote research and development activities, to provide platform to nurture entrepreneur and leadership among the students.

VISION

To be a leading source of Computer Science & Engineering education contributing effectively to meet the present, future needs of society and industry.

SRI G. DAYANAND, CHAIRMAN

The "COMPU NET - The Information Hub" newsletter of the department of Computer Science & Engineering is providing great space for the students and faculty to pen down their innovative ideas, imagination and perceptions to showcase creativity. So, I take the opportunity to congratulate the Department of CSE and its editorial team to successful release of this issue. I am sure that students and faculty will find the content of this edition very interesting and educating.

SRI G. D. MANOJ, EXECUTIVE DIRECTOR

I am indeed happy to share that department of Computer Science & Engineering is having its monthly newsletter "COMPU NET - The Information Hub". I personally urge all faculty members and students of the department to make use of the platform to share and educate among themselves in publishing article pertaining to the emerging domain and interesting facts. I congratulate the team of Computer Science & Engineering editorial committee.

PRINCIPAL'S DESK

It is indeed very happy to bring out newsletter "COMPU NET - The Information Hub" by the department of CSE. It is a platform provided by the dept. of CSE for its students and faculty members where they can share the knowledge, experience and talents in terms of written articles and I would like to compliment and congratulate the dept. of CSE and its editoria team for the contribution in bringing out the newsletter.

ADMINISTRATIVE OFFICER'S DESK

It gives me immense pleasure to note that CSE Department of our college bringing out Newsletter for the academic year 2018-2019. I am sure this newsletter provides an opportunity to the students and faculty of the department to project their talents through articles, reports of the various academic and extracurricular programs. I congratulate the committee of the newsletter for their efforts.

HOD'S DESK

The Computer Science & Engineering Department was established in the year 2001 with an intake of 60 students and the current intake is 120 students. The department also runs a Post-Graduate program in Computer Science & Engineering and an established Research Centre in 2013, affiliated to VTU Belagavi. The department aims to produce engineering graduates with adequate theoretical and practical knowledge in the area of computer science soas to make them capable of design, implementation, development and maintenance of high-quality software products meeting industry standards. I am very proud to express that our department is coming out with a new venture that is a newsletter to share various events and thoughts happened.

Workshops

One day Workshop was conducted on 18/1/18, regarding Latest trends in Cyber Crimes / Security by Sri, K Venkatesh Murthy, Deputy Director, Data Security Council of India, Bangalore, addressed SCE faculties regarding different types of hacking, copyright infringement, unwarranted mass-surveillance, sextortion, child pornography, and child grooming and taught how to secure our online activities.

One day Workshop was conducted on 15/2/18 by AEGIS: IBM Meet up - Bhupesh Daheria CEO, Aegis School of Data Science gave insight about data science and data science projects, said about importance of data science field for all 6th sem students in current trends.

Technical Talk

Talk on Outcome Based Education - NBA - Dr Madhu, MSRIT, was conducted for all CSE faculties on 6/2/18.

Technical Talk on "Software Testing" (Manual and Automation) - Amazon and SAP Companies was conducted for all 8th sem students on 21/4/18.

One Day Seminar on "Data Minining Techniques and Applications" - Dr. S S Patil, Prof and Head, Dept of CSE, GKVK Bangalore, was conducted for all 6th sem students on 4/5/18.

SDP

6 days Student Development Program on (OOP) with C++ was conducted by CSE Faculties, from 29/1/18 to 3/2/18

6 days Student Development Program on - Python was conducted by CSE Faculties, from 29/1/18 to 3/2/18

Industrial Visit

Infosys Campus Connect-Industry Visit by CSE faculties on 24/01/2018 - Infosys Campus
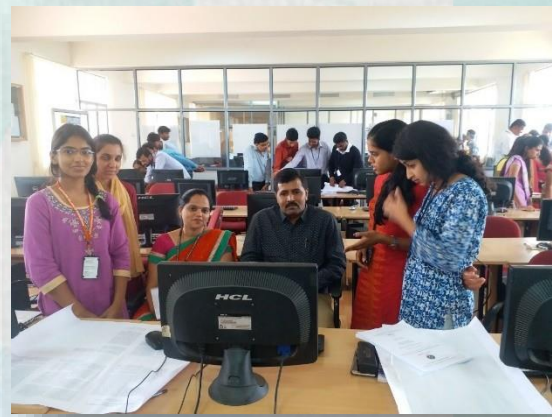
Industrial Visit to ISRO Satellite Centre-Bangalore - Prof. Madhushree & Prof. Arun Kumar S with 6th Sem Students on 7/5/18.
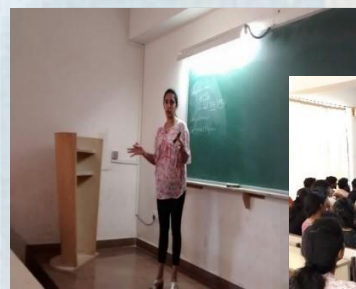

Project Exhibition

Project Exhibition for 8th sem students was conducted on 19/5/18 Evaluators are Dr. Manjunath. T.N Prof & Head, Dept of ISE, BMSIT, Bangalore, Dr. Thippeswamy.B.M Prof & Head, Dept of CSE, BMSIT, Bangalore, Dr. Gopal Krishna.M. T, Prof & Head, Dept of CSE, KSSEM, Bangalore.

Alumni Interaction

Akshatha Hebbar interacted with 4th sem students on 19/3/2018 discussed about Software development in SLAESFORCE

Narahari Rao interacted with 6th sem students on 4/4/2018 discussed about Entrepreneurship opportunities.

Workshops/FDP attended by the Faculties

1. Mrs. KAVITHA G attended - Model Curriculum for First year BE/B.Tech –CBCS Detailed Syllabus (2018- 19) as per OBE format including CO and Bloom's Taxonomy, organised by MSRIT, Bengaluru on 14/5/2018.

2. Mrs.Mamatha A attended workshop on Python Application Programming at SJBIT from 22-1-18 to 24-1-2018

3. Mr. Arun Kumar S attended - Model Curriculum for First year BE/B.Tech –CBCS Detailed Syllabus (2018- 19) as per OBE format including CO and Bloom's Taxonomy, organised by MSRIT, Bengaluru on 14/5/2018

4. Kavya N L attended workshop on JAVA FUNDAMENTALS at KSSEM from 23-5-18 to 27-5-18

5. Anuradha B attended One day workshop on Vehicle Area Network at ISM, Bangalore, on 3rd of Feb 2018

6. Mrs.Mamatha A attended workshop on Latest Research Trends in IT Industry at DR.AIT on 10-2-2018

7. Prof.Abhishek K.L attended workshop on "Data Visualization Tools" at BITM on 6/09/2017 to 08/09/2018.

8. Prof. Srikanth MS attended workshop on "network security and ns2" at NIE on 8/1/18 to 12/1/18

9. Prof.Supreetha S attended workshop on "FDP on Importance of Statistical Tools in Research Work" at KSTA on 20/06/2018 to 22/06/2018.

10. All faculties attended 3days Faculty Development Program on "Teacher Empowerment "at Sapthagiri College of Engineering from 23-07-2018 to 25-07-2018

11. Mrs.Mamatha A attended 3-days FDP on "Machine Learning" organised at RNSIT from 19-7-2018 to 21-7-2018

12. Mrs.Nanda M B attended 4-day VGST Sponsored FDP on "Data Analytics, Next generation Programming languages & Simulations" organised at Dept of ISE, SCE from 27-7-2018 to 31-7-2018

13. MRs. Latha A attended 1-day FDP on "Machine Learning" organised by Google on 7-7-2018

14. Mrs. Sneha G attended 4-day FDP on "Data Analytics, Next generation Programming languages & Simulations" organised at Dept of ISE, SCE from 27-7-2018 to 31-7-2018

15. Mrs. Sneha G attended one-week FDP on "Machine Learning" organised at Dept of CSE & ISE, Cambridge Institute of Technology from 9-7-2018 to 14-7-2018

16. Dr. Yogish H K, attended One day workshop on "Role of ratings, rankings and accreditation in creating institutions of Imminence and Excellence" on 21/07/2018 at PES UNIVERSITY organised by ICARE-Bites-PES University Bengaluru.

17 Mrs.Kamalakshi Naganna attended One day workshop on NPTEL organized by Dept of CSE, M.S. Ramaiah Institute of Technology, Bangalore, on 11-08-2018

18 Mrs.Kamalakshi Naganna,Mrs.Chaithra ,Mrs.Kavitha,Mrs, Mrs.Nanda M.B,Mrs.Kavya, Mrs. Sneha G,Mrs.Supreetha,Mr.Srikanth M.S,Mr Abhishek,Mr.Gajendra Prasad,Mr.Srikanth attended Workshop on "Professional Ethics and Human Values "Organized by R.R.I.T, Bangalore on 14-08-2018

19 Kamalakshi Naganna accompanied students participated in Quiz Competition on Climate Change and Environment, IIsc Bangalore 11th september 2018

Awards and Recognitions

1. Dr Yogish H K, Session chair – Third National Conference on Advances in Computing and Information Technology (NCACIT-18), School of Computing and Information Technology, Reva University, Bengaluru on 11th May 2018.

2   Dr Yogish H K, Session chair – International Conference on Advances in Communication, Information and Computing Technologies (ACICT-2018), May 3rd and 4th 2018. Held at East West Institute of Technology, Bengaluru.

3   Dr Yogish H K, Technical Program Committee Member -International Conference on Advances in Communication, Information and Computing Technologies (ACICT-2018), May 3rd and 4th 2018. Held at East West Institute of Technology, Bengaluru.

4   Dr Yogish H K, Subject Expert – Dept. of Computer Science, WIDIA Poorna Prajna PU College, Bengaluru on 27 March 2018.

5   6 student paper got Best paper award in National and International conference in academic year 2017-18

Publications

1   Dr. Yogish H K" Understanding Ransomwares and Analyzing their Prevention Mechanisms" – BEST PAPER AWARD - Innovations in Computational Science and Information Technology (NCICSIT-18) - 3rd Feb 2018, JAIN University.

2   Dr. Yogish H K" An algorithm for enhancing the security on cloud data sharing system", International Journal of Advances in Engineering Research http://www.ijaer.com (IJAER) 2018, Vol. No. 15, Issue No. I, January e-ISSN: 2231-5152, p-ISSN: 2454-1796.

3   `Dr. Yogish H K" Enhancing Down Load Speed with Security", International conference on Advances in Communication, Information and Computing Technologies" ACICT-2018, On 3 & 4th May 2018 Organised By EWIT-Bengaluru.

4   Kamalakshi N, "Sparse Residual Learning of Deep Convolution Network for De-Noising Patch Based Block Match Three Dimension Algorithm ", International Journal for Applied Sciences and Engineering Technology", ISSN: 2321-9653, Volume 6 Issue II, February 2018

5   Kamalakshi N, "Adaptive Hard Thresholding for Block Matching Three dimension for Denoising Volumetric Data ", International Journal for Applied Sciences and Engineering Technology", ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 6.887, Volume 6 Issue III March 2018

6   Flavia, Kamalakshi N, "Home Automation using IoT and Cloud Server", 14th National Conference on "Recent trends in Computer Science and Engineering", 9th May 2018, SJBIT, Bangalore.

7   A Comparative study on Indian food image classification using K- nearest neighbor and SVM published a paper in international conference on computer network security and computing 2018 at SVCE, Bengaluru by Prof. Latha.

8   MadhuShree, Sahana.B, Sanjana.M. Aithal, Swetha.K "NOVEL APPROACH SMART CART SYSTEM IN SUPERMARKET" was presented in National Conference on RECENT TRENDS IN COMPUTER SCIENCE AND TECHNOLOGY held on 9th MAY 2018 at SJB Institute of Technology, Bangalore.

9   Prof. Shruthi N, Rakesh C, Vinod Kumar S, Yadnik V Gaonkar, Manu K V, has Presented paper on "Solution for Perishable Products in Cold Chain Management" in 7th National Conference on Recent Advances in Technology & Engineering (RATE -2018) held at T. John Institute of Technology, Bengaluru-83.

10   Kavitha G, Akarsha K R, Akshay G.S, D.S Karthik, Deekshith L, has presented paper on "Multiple object Tracking", in 10th National Conference on Advances in Information Technology, held on 9th May 2018, Dept. of ISE, SJBIT

11   National level Conference on "RECENT Trends in Computer Science and Engineering" presented paper by Prof. Chaithra, Girish S. Battur, Narsimha N Raykar, Sudeep Tupul, Sunil P with title "Efficient Disease Prediction" on 9/05/18 at SJBIT, Bangalore.Best paper award.

12   Arun Kumar S, Deepak N, R Rashika "International Journal of Engineering Research and Technology (IJERT)", Vol. 7 Issue 06, June-2018

13   Arun kumar S, Newby das, Nichitha, Sahana, Ranjitha "Framework for Analyzing Stress using deep learning", International Conference on Advances in Communication, Information and Computing Technologies Acict-2018, May 3rd- 4th 2018, EWIT - Bengaluru. Best Paper Award.

14   Arun kumar S, Ananya Bandyopadhyay, Bhoomika.H, Ishan Singhania, Krupal Hitesh shah" Analysis of Network Traffic and Security Through Log Aggregation", International Conference on Advances in Communication, Information and Computing Technologies Acict-2018, May 3rd- 4th 2018, EWIT - Bengaluru

15   Ashok K Patil, Published and Presented paper in Karnataka Science and Technology Academy 2018 Conference on" Science and Technology for Future OF Humanity" at REVA University, Bangalore from 18th and 19th January, 2018. . (Title of paper: Devising a data mining algorithm to establish efficient pattern of Biological Network of species).

16   Ashok K Patil, Published Journal paper Identification of Lung Cancer Related Genes Using Enhanced Floyd Warshall Algorithm in a Protein to Protein Interaction Network, International Journal of Intelligent Engineering and Systems, Vol.11, No.3, 2018 DOI: 10.22266/ijies2018.0630.23, January 22, 2018

17 Prof. Srikanth M S, Nishanth U, Nithin S, Skanda C Kesarkar, Kruthika K K, has presented paper on "Smart Parking Reservation System And Avoid Parking Restricted Area Using IoT" in 7th National Conference On Recent Advances In Technology And Engineering (Rate- 2018) organised by Dept.of CSE & Dept. of ISE, T. John Institute of Technology 17/5/2018

18 Prof. Suriya Prakash J, Pavan Kumar B, Roshan Prathap Singh, Sai Krishna, Pranav M. N, has presented paper on "Text Classification Using Multiple Machine Learning Algorithm" in Arison-National Level Technical Symposium organised by Dept. ISE, Sapthagiri College of Engineering.

    27/4/2018.

19 Prof. Suriya Prakash J, Rahul Kumar, Rohit Singh, Abulaish Ansari, has presented paper on "Child Safety Wareable Device", in IJCEA, ISSN 2321-3469, Volume XII, May 2018

20 Prof. Nanda M B, Ishwarya H B, Jagruthi, Akshatha T Batt, Lakshmi R, has presented paper on "Query Processing with Energy Efficiency in Web Search Engines." in 10th National Conference On "Advances in Information Technology", organised by Dept. Of ISE, SJBIT 9/5/2018

21 Prof. Nanda M B, Priyanka R, Pushpa S, Rakshitha R poojari, Sowmya S, has presented paper on "Aadhaar Card and Biometric Based Voting Machine for Local and Immigrant Voters", in 7th National Conference on Recent Advances in Technology and Engineering (Rate- 2018), organised by Dept.Of CSE & Dept. Of ISE, T. John Institute of Technology 17/5/2018

22 Prof. Kavya N L, Aakash Kumar Sinha, Adarsh Bhat, Biswadeep, Brajesh, has presented paper on "Cloud Data Sharing with Group User Using Npp Auditing Scheme" in 7th National Conference on Recent Advances in Technology and Engineering (Rate- 2018), organised by Dept.Of CSE & Dept. Of ISE, T. John Institute of Technology 17/5/2018.

23 Prof. Kavya N L, Sharath Kumar, Sravani, Chethan. M presented paper on "Storing and Retrieving Time Sensitive Data in Public Cloud Using Time and Attribute Factors Joined Access Control"in 7th National Conference on Recent Advances in Technology and Engineering (Rate- 2018), organised by Dept.Of CSE & Dept. Of ISE, T. John Institute of Technology 17/5/2018.

24 Prof. Gajendra Prasad K C, Pallavi, Sushma, Vidya, Vishnu Pradeep, has presented paper on "Time Sensitive Secure Deduplication of Encrypted Data in Cloud" in 10th National Conference On "Advances in Information Technology", 9th May 2018 by Dept of CS&E at SJB Institute of Technology

25 Prof. Gajendra Prasad K C, Neeraj Singh, Pushpak Jindal, Ravi Prakash Kumar, Sagar Srivastava, has presented paper on "Privacy Preserving Higher Order Probability E Means Algorithm for Big Data Clustering" in 7th National Conference on Recent Advances in Technology and Engineering (Rate- 2018), organised by Dept.Of CSE & Dept. Of ISE, T. John Institute of Technology 17/5/2018.

26 Prof. Srikanth M S, Sudarshan, Suhas Jain, Abhishek Gowda, Anjali, has presented paper on "Detecting and Blocking Cyber Bullying Words" in 10th National Conference On "Advances in Information Technology", 9th May 2018 by Dept of CS&E at SJB Institute of Technology

27 Prof. Veena K R, Aishwarya Swamy, Apoorva Kulkarni, Manogna L, Mohit Rathore, presented a pa paper on "Ideal Reviews Using text and Emoticons" in 13th National Conference on "Recent trends in Computer Science and Engineering", on 9th May 2018 at SJBIT, Bangalore-60

28 Prof. Anuradha B: "Door Lock Security through Digital Image Processing", 13th National Conference on Recent Trends in Computer Science & Engineering, SJBIT, Bengaluru-60, Nov 2018.

29 Prof. Anuradha B: Talkative Assistance System for Visually Impaired People, IJSRD, Volume 6, Issue 4, June 2018.

30 Prof. Abhishek K.L, Kommindala Aparna1, Kundhavi Nandakumar2, Namitha H.3, Preksha R.4, , has presented paper on "GARBAGE MONITORING SYSTEM USING IOT WITH LOCATION TRACKING AND ALERT" in 7th National Conference On Recent Advances In Technology And Engineering (Rate- 2018) organised by Dept.of CSE & Dept. of ISE, T. John Institute of Technology 17/5/2018

31 Prof. Abhishek K.L, Nagaraja.B1, Nitesh. M.N 2, Sandeep. K. L3, Suman suryaprasad 4, has presented paper on "AN EFFICIENT AND FINE-GRAINED BIG DATA ACCESS

CONTROL SCHEME WITH PRIVACY-PRESERVING POLICY" in 7th National Conference on Recent Advances in Technology and Engineering (Rate- 2018) organized by Dept.of CSE & Dept. of ISE, T. John Institute of Technology 17/5/2018.

32 Prof.Latha, Pratik kumar, Akshat Mehta and Mulayam Singh has published a paper titled "privacy Aware Authentication Scheme for Mobile Cloud Computing in an Efficient Manner", in IJISET volume 5 issue 6, June 2018.

33 Prof.J. Suriya Prakash published paper named "Suspicious Flow Detection and Traffic Classification in Network Environment" in TAGA, Vol-14,2018.

34 Prof.Shilpa m , Amith Kumara 1,Bharath S 2, Venkatesh B.C. L3, Gagan N.T4, has presented paper on "Real-time location classification with sentiment analysis based on worldwide tweets " in 7th National Conference On Recent Advances In Technology And Engineering (Rate- 2018) organised by Dept.of CSE & Dept. of ISE, T. John Institute of Technology 17/5/2018

35 Prof. Supreetha S, Priyanshu, NikhilSharan, Pranay Prakash, Jibin Thomas has published paper entitled "A survey on repairing the failed node in a distributed storage system" in 10th conference on Advances in Information Technology (NCAIT-2018) ,9th May 2018, By Dept of CS&E at SJB Institute of Technology

36   Gayathri Satish, SATYAM BHARTI, SHUBHAM SINGH, SOURAV KUMAR," A Framework to Detect SQL Injection by Intruders for SaaS Providers",10th National Conference On "Advances in Information Technology", Dept. Of ISE, SJBIT - 2018

Chief Editor:	Dr. Yogish H K
Sub Editor:	Mrs. Madhushree
Student Members:	Amit N Hebbi (3rd Sem) Chandan Patige (3rd Sem)