SAPTHAGIRI COLLEGE OF ENGINEERING

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

CSE MAGAZINE

SEPTEMBER 2019

Volume:2

MISSION

To implement path breaking student centric education methods. To augment talent, nurture teamwork to transform to develop individual as responsible citizen. To educate the students and faculties about entrepreneurship to meet vibrant requirements of the society. Strengthen Industry-Institute Interaction for knowledge sharing.

VISION

To be a best institution imparting quality engineering education to deal with community needs through learning and performance.

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 gives me immense pleasure to note that, SCE has been publishing bi-annual newsletter and I am sure, this will provide an opportunity for the faculty and students to share their knowledge and beacon the information about various issues and activities that are being taking place in the department. I look forward for more activities and achievements for the department to march towards excellence in the future. I would like to thank all teaching, supporting staff and our beloved students for their active participation in publishing this magazine. My special compliments and congratulation to the editorial team of the department for their consistent effort in publishing this newsletter.

DR. M H ANNAIAH, VICE-PRINCIPAL

I am very happy and delighted to know that our college is bringing out the college newsletter. SCE is one of the leading premier engineering colleges in the country offering quality technical education to students thereby enabling them to become globally acceptable engineers in their domains. The newsletter provides a platform for both faculty and students to showcase their achievements and hidden talents. I congratulate our beloved principal and members of editorial board for bringing out this excellent and informative newsletter on time.

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 veryproud to express that our department is coming out with a new venture that is a newsletter to share various events and thoughts happened.

Microsoft Certification Training

Training on "Microsoft Certification" by Mr. Sumit Sharma working as Technical lead at ATS solutions. The training is provided for 4th and 6th semester students of CSE and ISE on 29-01-2019 & 01/02/2019, totally 56 students were participated. The speaker provided information on CPMA - Cross Platform Mobile application development based on HTML, CSS and Java Script. Hands-on session of using Node.js for developing the Android application and the session was interactive.

TCS ION Internship

In partnership with TCS, Sapthagiri college of Engineering conducted internship for 8th semester students from 16th January to February 13th. In internship program they have worked on python programming with a titanic dataset and learnt some of the machine learning algorithms to solve the problems like linear regression, gradient descent, logistic regression and they are working on neural network projects.

Student Development Program on Object Oriented Concepts

Our Department has conducted Student Development Program on Object Oriented Concepts from 4th Feb 2019 – 8th Feb 2019 for 4th semester students.

BIG DATA ANALYTICS

We the Department of Computer Science and Engineering organized Three Days Hands-On Workshop on "Big Data Analytics" students got knowledge about Big Data Technology. Students gained the knowledge about Hands-On Part and also Workshop was conducted from 6th March 2019 to 8th March 2019 by EduNextgen – for all the 8th semester students took part.

Workshop on Tableau – Data Visualization Tool

Workshop was conducted from 20th March 2019 by Navigem – for all the 8th semester students on data visualization.Data visualization is the graphical representation of information and data. By using visual elements like charts, graphs, and maps, data visualization tools provide an accessible way to see and understand trends, outliers, and patterns in data.

Workshop Details

Workshop on "Patent Filing Procedure in India" conducted by Dr. Ramesh Shahabadkar, Head-CSE,Sapthagiri College of Engineering, Bengaluru on 13/06/2019.

Faculty Development Program on Machine Learning andTools

Faculty development program on "MACHINE LEARNING AND TOOLS" was conducted by department of Computer Science and Engineering on 30th & 31st January 2019. Resource Person for FDP Dr. Suguna, Professor Department of computer science and engineering at Veltech University, Chennai, Dr. Shyamala Devi, Professor Department of computer science and engineering at Veltech University, Chennaihaving having good knowledge in Machine Learning algorithms with image mining and hands on sessions were conducted on Machine Learning Programs in Python programming language. Convenor FDP is Prof. SuriyaPrakash.J Department of CSE, SCE.

FDPs attended by Faculty Members

1. Prof. Anuradha B and Prof. Nanda M B has attended 6 days faculty development program on "Big Data Analytics and IOT" at SJBIT Bangalore from 07/01/2019 to 12/01/2019.

2. Prof. Srikanth M S and Prof. Arun Kumar S has attended 5 days faculty development program on "Big Data Analytics" at NHCE Bangalore from 21/01/2019 to 25/01/2019.

3. Prof. Kavya N L, Prof. Abhishik K L and Prof. Shilpa M has attended 5 days faculty development program on "Devops" at MSRIT Bangalore from 21/01/2019 to 25/01/2019.

4. Prof. Kavitha G and Prof. Kavya N L has attended 1-day faculty development program on "A practical implementation of IOT using python and Raspberry Pi" at ISM Bangalore from 19/01/2019.

5. Prof. Supritha S and Prof. Sneha G has attended 3 days faculty development program on "Data Science Analytics" at SJBIT Bangalore from 23/01/2019 to 25/01/2019.

6. Prof. Madhushree and Prof. Latha A has attended 5 days faculty development program on "Machine Learning for IOT Applications" at BMSIT Bangalore from 28/01/2019 to 01/02/2019.

7. Prof. Kavitha and Prof. Veena K R has attended 5 days faculty development program on "Block Chain Application Development was using Hyperledger" at MSRIT Bangalore from 28/01/2019 to 02/02/2019.

8. Prof. Veena K R and Prof. Chaitra has attended 3 days National Research Workshop at SJBIT Bangalore from 07/01/2019 to 12/01/2019.

PAPER PUBLICATIONS

INTERNATIONAL JOURNAL	
SI.NO	**AUTHORS, "TITLE", JOURNAL, VOLUME, ISSUES, YEAR (SCOPUS or UGC or SCI indexed and Best paper Award)**
1	Hemanth Kumar M, Latha A, Depression Detection with Sentiment Analysis of Tweets International Research Journal of Engineering and Technology (IRJET) Volume 6, Issue 5, May 2019 S.NO:239
2	Dr. Yogish HK, Arun Kumar S, Shwetha S, Rachel Britto, Deepak N," Survey on Intelligent Answering System using Similarity Model based Learning", International Journal for Research in Applied Science & Engineering Technology (IJRASET), Volume 7 Issue V, May 2019. (UGC)
3	Prof.Arun Kumar S, Renu R, Rashika R, Ramya R," HoneyPass: A Shoulder Surfing Resistant Graphical Authentication System using Honeypot", International Journal for Research in Applied Science & Engineering Technology (IJRASET), Volume 7, Issue V, May 2019. (UGC)
4	Prof.Arun Kumar S, Swetha S, Jayashree C Y, Thriveni L, Bhuvanashree V, "A Survey on Analyzing Weather Change on Pollution in Urban Regions", International Journal of Research and Analytical Reviews (IJRAR), Volume 6, Issue 2, May 2019. (UGC)
5	Prof.Arun Kumar S, Swetha S, Jayashree C Y, Thriveni L, Bhuvanashree V," Detecting and Analysing Urban Regions with High Impact of Weather Changes on Pollution", International Journal for Research in Applied Science & Engineering Technology (IJRASET), Volume 7, Issue V, May 2019. (UGC)
6	Kathyayani Laxman Nayak, A. Latha, Majid Eqbal Akhtar, A Survey on Data Driven Intelligent Public Transportation using LoRa, Volume-2, Issue-5, May-2019
7	Prof. Kavya N L, Abhijeeth V Madalgi, Bhyravi S, Hemanthkumar M, Jagadish D N, "EMOTION RECOGNITION FROM VOICE", International Research Journal of Engineering and Technology (IRJET), Volume: 06 Issue: 05, May 2019
8	Prof. Kavya N L, Ganesh Bhat, Aman Mathur, Karthik, Akash P H, "Survey of Supervised Learning Techniques on Stock Trend Prediction", International Research Journal of Engineering and Technology (IRJET), Volume: 06 Issue: 04, Apr 2019
9	Prof.Chaithra, Madhukesh D, Nitesh Jaiswal, Manish Kumar Giri, published paper in International Journal for Scientific Research & Development with the paper titled "Effective Heart Disease Prediction using Machine Learning" published in E journal volume 7, issue 3, in May 2019
10	Prof. Sneha G, Hashitha Y, Kusumalatha K, Nehalakshmi P A, "A Survey on Detection of Diabetic Retinopathy", International Journal for Research Trends and Innovation (IJRTI), Volume 4, Issue 5, May-2019, e-ISSN:2456-3315.
11	Prof. Sneha G, Harshitha Y, Kusumalatha K, Nehalakshmi P A, "Detection of Diabetic Retinopathy in Earlier Stages", International Journal of Science and Engineering Development Research (IJSDR), Volume 4, Issue 5, May-2019, e-ISSN: 2455-2631.

12	Supreetha S, Suraj S Panchakshari, Sanjay U K, Rohit N K, Sharath B S, ―"Data Leakage Detection using Semantic Analysis", International Journal for Scientific Research and Development (IJSRD), volume 7, Issue 3, May 2019, ISSN:23210613.
13	Supreetha S, Pooja H.R, Roshan s olaty, Bhumika B.R, ―"A Workflow Management System for Scalable Data Mining on Clouds", International Research Journal of Engineering and Technology (IRJET), Volume 6, Issue 5, May 2019, e-ISSN: 2395-0056.
14	"NANDA M B, Anusha Kamath", Paper Publication in International Journal IRJET (APRIL-2019), Title – "Survey on Home Automation System using Brain Computer Interface Paradigm based on Auditory Selection Attention.".
15	"NANDA M B, Veena M,Uzma Tahaseen, Varshitha R, Thejashree M", "Paper Publication in International Journal IJESC (APRIL-2019), Title – "Survey on Fog-Based Crime-Assistance in Smart IoT Transportation System".
16	"NANDA M B, Somyadeep Ghosh, Rithik V Gopal", "Paper Publication in International Journal IJESC (APRIL-2019), Title – "Emotion Based Music System".
17	"NANDA M B, G.N.Sneha" ,"Paper Publication in International Journal IJRESM (MAY-2019), Title – "A survey on detection of phishing attacks".
18	"NANDA M B, Sourabh Jha", "Paper Publication in International Journal IRJET (APRIL-2019), Title – "The Essence of the Surgical Navigation System using Artificial Intelligence and Augmented Reality".
19	"NANDA M B, Parinitha B S", "Paper Publication in International Journal IRJET (APRIL-2019), Title – "Machine Learning and Deep Learning Methods for Cyber security".
20	"NANDA M B, Kathyayani Laxman Nayak", "Paper Publication in International Journal IJRESM (MAY-2019), Title – "A survey on iBaby: A low cost BLE Pseudolite based Indoor Baby Care System".
21	"NANDA M B, Ramya R" ,"Paper Publication in International Journal IJRD (MAY-2019), Title – "Survey on Security Issues in Cloud Computing".

INTERNATIONAL CONFERENCE	
SI.NO	AUTHORS, "TITLE", JOURNAL, VOLUME, ISSUES, YEAR
1.	Prof. Latha, Chandana, Madhuri Uma, Smriti Gupta, Komal Kumari, Tracking the users behaviour in structured E-commerce website, International Journal for Science & Technology, Volume 5, Issue 8, Feb 2019
2.	Nishant Yadav, Latha, Kruthika Holla, Increasing the efficiency of Public Transportation System using Data Analytics, IJESR/ICETEISM-2019/Special Issue/ Article No-52/242-245, ISSN 2277-2685

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If you are going to achieve excellence in big things, you develop the habit in little matters. Excellence is not an exception, it is a prevailing attitude.

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NATIONAL CONFERENCE	
SL.NO	AUTHORS, "TITLE", JOURNAL, VOLUME, ISSUES, YEAR
1.	Madhushree, Prajwal.G. Reddy, Rhea Sanjan B. R, Sharon Phylis.L, Varsha.N. Urs published paper with title "Indian Sign Language character recognition" in 11th national conference on "Advances in Information Technology" held on 4th may 2019
2.	Prof.Chaithra, Madhukesh D, Nitesh Jaiswal, Manish Kumar Giri published paper with title "Survey on Effective Heart Disease Prediction using Machine Learning" in National Level Technical Symposium organized by the Department of ISE on 26-04-2019
3.	Prof. Nanda M B, Veena M, Varshitha R, Uzma, Thejashree "Fog-Based Crime-Assistance in Smart IoT Transportation System". 3-Days National Conference on Electronics & Communication Engineering (NCEC-19), Dayananda Sagar College of Engineering, Bangalore (9-11 May2019).

PLACEMENT REPORT
LIST OF COMPANIES (18-19) WHERE
OUR STUDENTS ARE PLACED

SL.NO	COMPANY NAME	NO OF STUDENTS PLACED
1.	BYJU'S (THINK AND LEARN PVT. LTD)	5
2.	QSPIDERS	3
3.	INCADEA	1
4.	MECHLIN	1
5.	ALKHOLOCKS	5
6.	CHAI POINT	1
7.	PRAGATI SOFTECH	1
8.	SLK SOFTWARE PVT. LTD	4
9.	CONSLEAGUE CONSULTING PVT. LTD	2
10.	HEXAWARE TECHNOLOGIES	1
11.	L&T INFOTECH	17
12.	CAPGEMINI	1
13.	DXC.TECHNOLOGY	2
14.	MINDTREE	1
15.	ADOBE	1
16.	MPHASIS	15
17.	NTT DATA	10
18.	FAME TECHNOLOGIES	2
19.	VEDANTU INNOVATIONS PVT. LTD	2
20.	PIN CLICK	1
21.	ABC TECHNOLOGIES	3
22.	VEE TECHNOLOGIES	5
23.	SONATA SOFTWARE	3
24.	UNISYS	3
25.	GLOBAL EDGE	3
26.	INFOSYS	3
27.	ARTECH	3
28.	COLORS	4
29.	ULTS	5
30.	NOKIA	2

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Optimism is the faith that leads to achievement. Nothing can be done without hope and confidence.

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Editorial Team

Chief Editor: Dr Ramesh Shahabadkar

Sub Editor   :   Mrs. Madhushree

Mr. Srikantha Gowda R

Student Members: Amit N Hebbi (5th Sem)

Chandan Patige (5th Sem)