

# JSSATE ANNUAL REPORT



**JSS MAHAVIDYAPEETHA**  
**JSS ACADEMY OF TECHNICAL EDUCATION**  
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## JSS ANNUAL REPORT August 2017-July 2018

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## **1. INAUGURATION OF FIRST YEAR BE PROGRAMME**

Orientation programme for 1st year students of academic year 2017-18 was held on 17/8/17. The objective of the programme was to familiarise the students and parents with the campus environments and to facilitate initial academic counsel.

The programme started with the invocation by Mrs. Renukamba. The dignitaries inaugurated the programme by lighting the lamp. Dr. D Mahesh Kumar, HOD, Electronics and instrumentation department delivered the welcome address. Dr. Mrityunjaya Latte, Principal presented brief introduction about JSSMVP and the college. He articulated the academic expectations from students and also the available resources.

Dr. Parameshwar Iyer, Principal Research Scientist, Management studies, IISc, Bengaluru, chief guest of the event shared his experience as student and also motivated students to graduate not to just get employed but to serve the society.

Mr. Ravi Angadi, Architect -Mobility and UTE Practice Mphasis Limited, emphasized the need of communication skills for getting placed in industry and also advised students on industry expectations.

Mr. Uwe Georg Fischer, Managing Director, Kern Liebers, India, motivated students to ignite the spark within themselves to showcase their strengths. He also highlighted the importance of ethics in all spheres of life.

Dr. C. Ranganathaiah, Director (A&A), JSSMVP, Mysuru, delivered the presidential address in which he re-iterated the commitment of JSSMVP towards imparting quality education. He also highlighted the need for innovation and research.

Vote of thanks was proposed by Dr. Prabhudev Jagadeesh, Dean-Student Welfare.

Around 1000 students and parents attended the programme. After post lunch all the departments conducted detailed orientation to 1st year students.

## 2. NATIONAL SEMINAR ON “GREEN BUILDINGS AND SUSTAINABLE HABITATS”

A National Seminar on Green Buildings and Sustainable Habitats was held at JSSATE Bangalore on 14th October 2017. Participants attended this seminar were from various industries, faculty and students from various educational institutions. Total no. of participants who attended the seminar was over 100.

This National seminar was inaugurated at 10 am on 14-10-2017 by Er Puneet Kumar Vats, Additional Director General, CPWD Bangalore as Chief Guest and Sri H N Vijaya Raghav Reddy, the President Builders Association of India as Guest of Honor. The Inaugural program was also graced with the presence of Er. Ravishankar, Chairman KBC of Indian Concrete. There were four different Technical session where eminent speakers were invited for their talks and at the end of these technical sessions



**Inauguration** Er Puneet Kumar Vats, Additional Director General, CPWD Bangalore



From L to R Er Puneet Kumar Vats, ADG,CPWD Bangalore, Prof. Mrityunjaya V. Latte, Principal JSSATE, Dr. D.R. Swamy, Dean (research), Dr. Nagabhushana Prof & Head , Dept of Civil Engg and Dr. K. Kamal , Professor Dept of Civil Engg



From L to R Sri H N Vijaya Raghav Reddy, the President Builders Association of India. Dr. M.V. Latte Principal JSSATE, Bengaluru



Eminent speakers and Participants

### 3. IEEE STUDENT BRANCH INTER-COLLEGIATE TECHNICAL FEST CONFLUENCE-2018

IEEE JSSATE student branch was established in the year 2007. The Dept of E&CE organizes CONFLUENCE for every two years once. It is a IEEE Student Branch Inter-Collegiate Technical fest to carry out many technical and few non-technical events.

The inauguration was started at 9:30am on 9<sup>th</sup> April 2018 with an invocation song by the student Sahana and group. The welcome speech given by **Dr.ARAVIND H.S, Prof & HOD, JSSATE, Bengaluru**. He welcomed all the dignitaries, Professors, Deans, Section Heads, Staff, Faculty, participants, sponsors, and the organizing committee members present for the confluence. Later lighting the lamp by chief guest **Dr. Deepa Shenoy, Student Committee chair, IEEE Bengaluru section** and other dignitaries on the dias. The other dignitaries present during the inauguration were **Dr. K. Raghunath Guest of honor, RLC solutions Bengaluru. Dr. M.V Latte, Principal, JSSATEB, Dr.Aravind.H.S Prof & HOD EC Dept, and Dr. USHA S.M, Assoc. Prof, E&CE Dept.**

A total of 135 students participated in this inter-collegiate fest. About 34 students from other colleges RNSIT, Dr.AIT, ACS, APS, BMSCE, DBIT, KSSEM, RVCE, SJBIT, SVIT and 101 students from E&CE department are participated in various events. The program concluded on 10<sup>th</sup> April by 5 p.m.

The confluence was sponsored by **Café BOX, SCP Ready MIX, Endeavor careers, Bangalore and Shiva XEROX.**



Fig. 1: Dignitaries on the DAIZ on 9<sup>th</sup> April 2018.

(From left Dr. Arvind H.S, HOD E&CE Dept, Dr. M.V. Latte, Principal, Dr. Deepa Shenoy, student committee chair, IEEE, Bengaluru Section, Dr. K Raghunath, RLC solutions, Bengaluru. Dr. Usha



Fig. 2: Lighting the lamp by all the dignitaries of the Confluence'18.



Fig. 3: Presidential speech by Dr. M.V. Latte, principal, JSSATE, Bengaluru for Confluence'18.



Fig. 4: Gathering for Confluence'18.

## 4. FACULTY DEVELOPMENT PROGRAMMS

### A. EMBEDDED CONTROLLER LAB USING ARM CORTEX M3

In view of introduction of CBCS Scheme, all the UG programmes are revised and B.E (E & CE) Engineering programme is added with “Embedded Controller Lab” in 6th Semester for the academic year 2017-18. It is opined that additional knowledge is necessary for better delivery of the subject to students. Hence Faculty Development Programme is thought off and was arranged on 4th, 5th, and 6th January, 2018 by the Department of Electronics and Communication Engineering, JSSATE, Bengaluru in association with M/s Silicon Microsystems Bengaluru.

Fourty five participants have attended the programme. The participants (Faculty, PG students) were from various Institutions and organizations across Karnataka.

On 4th Jan-2018 the programme started with the Inaugural function. The invocation song divinely sung by Mrs. Megha C , Assistant Professor, Dept. of ECE. Dr. H S Aravind welcomed the delegates, Deans, Heads of the department, participants, faculty, and technical staff. He has mentioned about the significance of Embedded systems in everyday life and briefed about the schedule of the three days programme. Followed by this, the delegates inaugurated the function by lighting the lamp seeking the blessings of His Holiness Jagadguru Shri Shivarathri Deshikendra Mahaswamiji.

Chief Guest Mr. K Ravi, President, FKCCI, Bengaluru addressed the audience and appreciated the need of FDP to upgrade the knowledge for the current needs.



Inaugural function: From L to R: Dr. H S Aravind, HoD, Dept. of ECE, Mr. K Ravi, President, FKCCI, Bengaluru, Mr. M S Jaychandra Aradhya, CEO, Silicon Microsystems, Dr. M V Latte, Principal,





Inaugural function: Dr. H S Aravind, HoD, Dept. of ECE, Mr. K Ravi, President, FKCCI, Bengaluru, Dr. Mrityunjaya V Latte, Principal, JSSATE, Bengaluru, Mr. M S Jaychandra Aradhya, CEO, Silicon Microsystems.



Inaugural function attended : SIMS Personnel, HODs, Participants, and staff.

## **B. Simulation Modeling and Analysis of Manufacturing Systems**

The Department of Mechanical Engineering organized a one week Faculty Development Program on “Simulation Modeling and Analysis of Manufacturing Systems” from 08th to 12th January 2018 at JSSATE campus, Bengaluru in association with M/s. Commercial Consultancy Services (Indian Franchise of ‘Flexsim Software Products, Inc. USA), Chennai / Bengaluru. The purpose of conducting the FDP was to facilitate knowledge dissemination and learning for all categories of Management and Technology professionals, in the area of simulation modeling and analysis of manufacturing systems.

The FDP was inaugurated by Sri. Sadashiva Baligar – Vice President, Toyota Kirloskar Auto Parts Pvt. Ltd., Bengaluru. Dr. Sangappa S B., Executive Council Member of ISTE was the guests of honour. Dr. Mrityunjaya V. Latte - Principal, JSSATE, Bangalore, presided over the function. Dr. Anandkumar R Annigeri, HoD-ME, welcomed the guests.



Lighting the Lamp by Sri. Sadashiva Baligar, Sri. Sangappa S B and other Delegates



Dignitaries on the dais



Address by Sri. Sadashiva Baligar



Participants and Resource Persons

## 5. SYMPOSIUM AND CONFERENCE

### **International Conference on “Cognitive Computing and Information Processing”**

Third International Conference on “Cognitive Computing and Information Processing (CCIP 2017) is inaugurated on 15th Dec. 2017 at JSS Academy of Technical Education [JSSATE] Bengaluru.

Around 200 faculty members and research scholars are part of this two days' conference. Cognitive computing is definitely a big step and has set a benchmark for computing.

The Conference provide a wonderful platform for researchers to enrich their knowledge base and explore the innovations in Cognitive Computing and Information Processing. It aims at bringing faculty, researchers, graduate students, practitioners from industry to report and review the current progress in the field of cognitive computing and information processing.

Research papers were received from India, Australia, Greece, USA and Singapore. Upholding the quality requirements, around 33% of the received papers were selected for presentation by the expert committee after thorough review process. All the presented papers will be published by the prestigious Communications in Computer and Information Science (CCIS), Springer.



Inaugural program: cognitive computing and Information processing CCIP-2017

Dr. Mrityunjaya V Latte, Principal, JSSTAE, Bengaluru, Dr. C. Ranganathaiah, Director ( A & A), JSSMVP, Mysuru, Dr. Prabhudev Jagadeesh, Dr. K. Dinesh, Co- Founder, Infosys Ltd., Dr. Michael Carl, Director, CRITT, Copenhagen Business School, Denmark, , Dr. T. N Nagabhushan, Principal, SJCE, Mysuru,. & Dr. Chayadevi M L



Dr. Mrityunjaya V Latte, Principal, JSSTAE, Bengaluru, Dr. C. Ranganathaiah, Director ( A & A), JSSMVP, Mysuru, Dr. K. Dinesh, Co- Founder, Infosys Ltd., Dr. Michael Carl, Director, CRITT, Copenhagen Business School, Denmark, , Dr. T. N Nagabhushan, Principal, SJCE, Mysuru,. Dr. Prabhudev Jagadeesh & Dr. Chayadevi M L, General Chair – CCIP- 2017

The programme started with invocation by Ms. Yamini. Prof. Mrityunjaya V Latte, Principal, JSSTAE, Bengaluru gave the welcome speech and briefed about the theme & importance of the cognitive computing and Information processing. Dr. K Dinesh Inaugurated the Conference by lighting the lamp. Dr. Prabhudev Jagadeesh gave an insight and brief history about cognitive computing and Information processing. Book of Abstracts CCIP-2017 was released by Dr. K. Dinesh

Dr. K. Dinesh, delivered Inaugural address and spoke on nurturing useless knowledge by streaming it into useful knowledge for the society. He mentioned about the centuries old early inventions. He also stated that, India is in the same situation as USA, 300 years back in terms of research. He stressed upon the necessity of encouragement and motivation required by the universities for research. He quoted “Curiosity and knowledge raises many questions” with 5 friends of life such as why, where, when, what and how.

Dr. Michael Carl spoke about Natural language Processing and Machine Translation in brief. He mentioned about his relationship with India from 2005 with respect to research and development in Natural Language Processing. He spoke about how advanced computational tools such as machine translation can fruitfully complement and support human translation activity.

Dr. T. N Nagabhushana, shared ideas on Cognitive computing which comprises of Artificial intelligence, Neural Networks and Human brain interactions. He briefed about Deep Learning architecture and the need of High Performance Computing Systems for developing brain like mechanism using cognitive techniques.

Dr. C. Ranganathaiah addressed about series of CCIP conferences. He appreciated and motivated the faculty of JSSATE for their tireless and efficient work towards NBA and CCIP. He also motivated the research scholars to carry out the research in the new perspectives of computing era.

Vote of thanks were proposed by Dr. Chayadevi M L. HOD Dept of ISE

Master of ceremony was done by Dr. Malini M Patil. Associate Professor, Dept of ISE

## 6. DEPARTMENTS PROGRAMMES AND COLLEGE FEST

### a. Techno-Cultural Fest-ANANTHAM-18

The Department of Electronics & Instrumentation Engineering, JSSATE, Bengaluru had organized a two days' Techno-cultural Fest **ANANTHAM-18**, on 7<sup>th</sup> and 8<sup>th</sup> of March, 2018. This fest is held every year in the Department. This fest was organized in association with Indian Society for Technical Education. The objective of this fest was to bring students of various streams from different institutions to interact and share their innovative ideas, knowledge and technical skills.

The Inauguration was held at 9:00 AM on 7<sup>th</sup> March, 2018. The Chief Guest of the programme was Mr. S Shivakumar, IAS, Chief Vigilance Officer, BEL, Bengaluru.



(From L to R) Dr. M.V. Latte Principal. Dr. D. Mahesh Kumar, Asso. Professor & Head, Dept of E&IE and Mr. S Shivakumar, IAS, Chief Vigilance Officer, BEL, Bengaluru.



Participants & Students of E&IE dept



Mr. S Shivakumar, IAS, Chief Vigilance Officer, BEL, Bengaluru.



(From L to R) Dr. M.V. Latte Principal. Mr. S Shivakumar, IAS, Chief Vigilance Officer, BEL, Bengaluru and Dr. D. Mahesh Kumar, Asso. Professor & Head, Dept of E&IE

## **b. IGNITE-2K18 2018 held on 16 -17 April 2018**

IGNITE-2k18 was a 2- day Techno –Cultural fest conducted by Mechanical Engineering Dept. The objective of IGNITE-2k18 was to lay a platform to all students in exhibiting their talents in various fields.

The inauguration of this function held on 16<sup>th</sup> April 2018. The chief Guest of IGNITE-2k18 was Dr. C. Ranganathiah, Director (A&A), Technical Education Division, JSS Mahavidyapeetha. Dr. M.V. Latte, Principal, JSSATE, Bengaluru and Dr. AnandKumar R. Annigeri, Professor & Head, Dept of Mechanical Engg were present. On the occasion of IGNITE-2k18 TVS stunt show was organized.



Fig: 1. Dr. M.V. Latte, Principal, JSSATE Dr. C. Ranganathiah, Director (A&A), TED, JSSMVP and Dr. AnandKumar R. Annigeri, Professor & Head, Dept of Mech.Engg.



Fig: 2. Mechanical Engineering Faculties & Staff



Fig: 3 and 4. TVS Stunt show by experts



## c. VERVE-2018

### College Techno Cultural Fest VERVE-2018

College techno cultural Fest VERVE-18 was inaugurated by chief guests Prof. K. Siddappa, Former-Vice Chancellor, Bangalore University and Mr. Naganagouda S.J, Associate Vice President & Head of Human Resources, M/s Global Edge Software Ltd., Bengaluru, presided by Dr. Mrityunjaya V. Latte Principal, JSSATEB on 27<sup>th</sup> April 2018 at 9.30 PM at college premises. Prof. Jagdeesh Prabhu, Dean student welfare, welcomed the gathering, Dr. Malini Patil , Associate Professor, ISE Dept. read college report, Chief guest Prof. K. Siddappa and Mr. Naganagouda made presidential address, Ph.D scholars and Rank holders were felicitated by chief guests. Prof. M.V.latte, Principal address the gathering and, Dr.Mahesh B, HOD of chemistry presented vote of thanks. All the Deans, HOD's and section heads graced the occasion.

On 28<sup>th</sup> April 2018, events such as Beat Boxing, Solo/Duet Dance, Asus Gaming and live in concert by well known Bollywood singer Armaan Malik held. Large no of students and public witness the whole program.



VERVE-18 Inauguration function: from L to R : Prof. M.V. Latte, Principal, JSSATE, Chief guests Prof. K. Siddappa, Former-Vice Chancellor, Bangalore University and Mr. Naganagouda S.J, Associate Vice President & Head of Human Resources, M/s Global Edge Software Ltd., Bengaluru and Dr. D.R. Swamy, Professor & Dean (Research)



Fig: 2. Principal, Deans, All HODs section Heads with chief guests



Fig: 3. Ph.D award felicitation function: Prof. M.V. Latte, Principal, JSSATE, Dr. Jagadeesh Kattimani, Asst. professor, Dept of Civil Engg, Prof. K. Siddappa, Former-Vice Chancellor, Bangalore University and Mr. Naganagouda S.J, Associate Vice President & Head of Human Resources, M/s Global Edge Software Ltd., Bengaluru



Fig: 4. Staff and Students of JSSATE, Bengaluru

## 7. ACTIVITIES

### BLOOD DONATION CAMP 2K18-A DROP FOR YOU, AN OCEAN FOR THE NEEDY!

The NSS JSSATEB organized blood donation camp on 8th of March 2018 on the occasion of International Women's day. The event was perfectly organized. We had Kidwai memorial institute of oncology and Victoria hospital, to collect the blood that our fellow students and lecturers donated.

The perseverance the doctors and the nurses displayed was remarkable. Our target was 250 pints of blood. We are so proud that we exceeded it by collecting 350 pints. Hence, saving that many lives. Not only the students, but the lecturers also showed ample amount of kindness by donating.

Every donor was taken care of by providing refreshments and a resting place after donating. The happy hours turned out to be the best hours of the day with melodious music and the sweetest chocolates.

All the enthusiastic volunteers also donated their blood even after working the whole day and once again proved everyone that they really are the warriors.

Every women donor got a smiley badge as respect to the womanhood and made their day special. The smiles of the donors were worth a watch. The look of them doing their deed for the society was fleckless. Every donor left with a smile of satisfaction and the feeling of being a SUPERHERO.

We are thankful to principal and management for providing all facilities to conduct blood donation camp.



Blood collection from donors



NSS Officer with volunteers



Principal, NSS Officer with NSS volunteers

## 8. ALUMNI MEET

The Alumni Meet of Information Science & Engineering Department for the year 2018 was organized at college campus on May 19, 2018. Around 20 students attended the meeting and shared their views and experiences on this occasion. The interaction with the alumni was held in MB 223. Head of the Department Dr. Chayadevi M L welcomed the alumni. Mrs Nagamani Purohit coordinated the event. All faculties interacted with the alumni for their support to improve the teaching learning process. The alumni extended their support in terms of providing internships, conducting workshops and student development programmes. We would like to thank the JSS Mahavidyapeetha, Management, The principal, The HOD, all the teaching and non teaching staff who has helped directly or indirectly for the alumni meet.

### Details of events/workshops/seminars/talks by Alumni

- Civil Engineering department organized an invited talk by Alumni, Er. Varun.G.R, MS-Student (Construction Management), Department of Civil Engineering, Arizona state university, Arizona, United States of America on the topic of “Career Opportunities For Civil Engineering Students on 30/08/2018.
  
- Civil Engineering department organized an invited talk by Ms Swathi Shantharaju, Former Project Officer, Building Technology and Construction Management Division, Department of Civil Engineering, Indian Institute of Technology Madras, Chennai, on the topic of “A bird’s-eye view of advances in Civil Engineering and opportunities beyond the syllabus” on 30/08/2018.
  
- ISE department has organized a Technical talk on “Cloud 101 and Java” presented by Varun Founder Zysk Technologies, Bangalore on 25/9/2018.
  
- ISE department has organized a Lecture Series 1 on “Chatbot @ISE: An application of Artificial Intelligence” presented by Sai Madhuri on Sai Madhuri on 9/8/2018.
  
- ISE department has organized a Technical Talk on “Importance of Data Structures and its Applications” presented by Maithri B, M/s Maersk Line India Pvt. Ltd. Bangalore on 6/10/18

## 9. AWARDS

### PH.D. AWARDS



Dr. Veeramma Yathnalli, Associate Professor, Dept of Electronics & Communication Engg has been awarded Ph.D degree in January 2018 from VTU, Belagavi for her thesis entitled “**Image Compression and Restoration using Inpainting algorithms for Wireless Communication Application**”



Dr. Usha S M, Associate Professor, Dept of Electronics & Communication Engg has been awarded Ph.D degree in November 2017 from VTU, Belagavi for her thesis entitled “**Optimization and performance Analysis of Digital Modulators for Wireless Communication**”

## 10. RANKS

JSS ATE, Bengaluru has won 6 VTU ranks in the 2017-18 academic year. The details are as follows:

### Rank holders 2017



**Mr. KISHORE  
KRISHNAN  
[1JS15MEM01]  
I Rank [GOLD MEDAL]  
M.Tech MEM**



**Ms. RANJITHA. K  
[1JS15MEM02]  
II Rank  
M.Tech MEM**



**Mr. BASAVARAJ. B M  
[1JSMPD03]  
II Rank  
M.Tech [PDM]**



**Mr. ABHISHEK.N  
[1JSMPD01]  
III Rank  
M.Tech [PDM]**



**Mr. NAVEEN KUMAR  
PATTAR  
(1JS15MTH02)  
2<sup>nd</sup> Rank  
M.Tech (Thermal Engg.)**



**Mr. KIRAN S  
1JS15MTH01  
3<sup>rd</sup> Rank  
M.Tech (Thermal Engg.)**

