

|    |   |                  |             |     |     |     |                       |                   |
|----|---|------------------|-------------|-----|-----|-----|-----------------------|-------------------|
| 14 | Frame work for spam detection in online public media  | Umesh M          | NCAIT 2018  | Yes |     |     | 7th & 8th May, 2018   | JSSATE, Bengaluru |
| 15 | Traffic and energy saving encrypted search in mobile cloud  | Rekha B          | NCCC-2K18   | Yes |     |     | 14th May, 2018        | BTLIT, Bengaluru  |
| 16 | Twitter Trendz  | Manu M           | NCMTCS-2018 | Yes |     |     | 18th & 19th May, 2018 | MCE, Hassan       |
| 17 | Stress level assessment of an individual using neural networks based on tweets  | Yamuna U         | NCAIT 2018  | Yes |     |     | 7th & 8th May, 2018   | JSSATE, Bengaluru |
| 18 | Cloud statistics probing techniques to ensure privacy and security  | Santhruth B C    | NCAIT 2018  | Yes |     |     | 7th & 8th May, 2018   | JSSATE, Bengaluru |
| 19 | IoT Machine Monitoring System   | Murali G         | NCAIT 2018  | Yes |     |     | 7th & 8th May, 2018   | JSSATE, Bengaluru |
| 20 | Enhanced data access control for securing outsourced data and repudiation using web-based multi-authority cloud storage systems | Nithin K P       | NCAIT 2018  | Yes |     |     | 7th & 8th May, 2018   | JSSATE, Bengaluru |
| 21 | MotorCycle Helmet and Triple Riding Detection : Image Processing  | Poornima M       | IJIRCCCE    |     | Yes |     | Apr-18                |                   |
| 22 | Diseases Forecast by machine learning over big data from medicinal care communities   | Shilpa K R       | NCAIT 2018  | Yes |     |     | 7th & 8th May, 2018   | JSSATE, Bengaluru |
| 23 | Email Spam Detection using logistic regression and decision tree  | Uday Shankar S V | NCCC-2K18   | Yes |     |     | 14th May, 2018        | BTLIT, Bengaluru  |
| 24 | IOT based smart agriculture   | Abhilash C N     | IJLTEMAS    |     |     | yes | May, 2018             |                   |
| 25 | Virtual Real estate agent using Machine Learning  | Sridevi G.M      | IJLTEMAS    |     |     | yes | May, 2018             |                   |
| 26 | Novel Approach for Efficient Processing of Skyline queries using Map Reduce   | Rajesh L         | NCCC-2K18   | Yes |     |     | 14th May, 2018        | BTLIT, Bengaluru  |
| 27 | Product categorization using machine learning algorithm   | Manjula G        | NCCC-2K18   | Yes |     |     | 14th May, 2018        | BTLIT, Bengaluru  |
| 28 | Revocation of data in cloud using Access scheme   | Dr. Mohan H.S    | NCCC-2K18   | Yes |     |     | 14th May, 2018        | BTLIT, Bengaluru  |
| 29 | Bit coin value prediction using deep learning   | Manu M           | NCMTCS-2018 | Yes |     |     | 18th & 19th May, 2018 | MCE, Hassan       |
| 30 | Development of advanced automated home security system using geofencing and facial recognition                                  | Pavitra Bai .S   | NCAIT 2018  | Yes |     |     | 7th & 8th May, 2018   | JSSATE, Bengaluru |
| 31 | Detection and classification of abnormality in the retinal images   | Darshan K R      | IJIRCCCE    |     | Yes |     | Apr-18                |                   |
| 32 | Document Image Binarization and segmentation  | Vinod H C        | NCAIT 2018  | Yes |     |     | 7th & 8th May, 2018   | JSSATE, Bengaluru |
| 33 | A standard policy for rating prediction problem to surmount cold-start  | Ashwini K        | NCAIT 2018  | Yes |     |     | 7th & 8th May, 2018   | JSSATE, Bengaluru |

#### Editorial Board

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### Department of Information Science and Engineering



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#### About the Institution



SJB Institute of Technology was established in the year 2001 with the blessings of his divine soul, Jagadguru Padmabhushana Sri Sri Sri Dr. Balagangadharanatha Maha Swamiji, His Holiness Sri Sri Sri Dr. Nirmalanandanatha Maha Swamiji and Revered Sri Sri Dr. Prakashanatha Swamiji. The Institution is headed by dynamic and energetic leader, Dr. Puttaraju. SJBIT has been honoured as "Excellent Training and Placement Institute in Karnataka" by VTU, AICTE, CMAI, AIU, GOVT OF INDIA MNRE/MSME, NELIT, DEITY, NIXI, AIMS EI AT VTU Auditorium, VTU regional office, Bengaluru on 8th August 2014. SJBIT is ranked no 1 in Karnataka, ranked no 8 in South India and ranked no 30 in India based on all India "Data Quest-Cyber Media Research Survey" April 2014.

We are proud to announce that SJBIT has been accredited on 30-10-2017 by NAAC-New Delhi with "A" Grade (CGPA of 3.22)

**Institution Vision :** To become a recognized technical education center with a global perspective

**Institution Mission :** To provide learning opportunities that fosters students ethical values, intelligent and development in science and technology and social responsibility so that they become sensible and contributing members of the society.

#### About the Department



There are totally 29 Faculties in our Department, 22 Asst. Prof, 5 Assoc. Prof, 2 Professors & 10 non-technical staffs, entire department headed by Dr. Mohan H.S. The dept has equipped laboratories with 230 systems and internet connections to benefit our students.



#### Unique Features

- A MOU signed on August 1st 2017 between "Ethnotech Academic Solutions" and Dept. of Information Science and Engineering. This MOU is made for imparting training courses offered by Ethnotech to the candidates of Information Science Department.
- A MOU signed on 25th May-31st July 2016 between "Viswajyothi Technologies Private Limited" and Dept. of Information Science and Engineering. The Scope of MOU is to set up a centre of excellence in Research Assistance, Seminars and Training at SJBIT'S with department of ISE Bangalore campus.
- Mini projects for the 5th Semester ISE are taken up every year on regular basis for all the students with cent percent participation.
- Faculty Development Programs organized every semester for continuous improvement of staff.
- Equipped Department Library with more than 1500 books / learning materials on the basis of unlimited access to all the students and staff.

#### Department Vision:

"We envision our department as a catalyst for developing educated, engaged and employable individuals whose collective energy will be the driving force for prosperity and the quality of life in our diverse world".

#### Department Mission:

"Our mission is to provide quality technical education in the field of information technology and to strive for excellence in the education by developing and sharpening the intellectual and human potential for good industry and community".

#### Department Strength

The department of Information Science and Engineering has been established in 2001 with an intake of 60 which later enhanced to 120 in 2007. In 2009, a post-graduation programme has been launched in Computer Network Engg with an intake of 18. As of now, the department has produced about



700+ graduates and about 50+ post graduates. The department is proud to say that four UG students and one PG student have secured ranks at the state level University. The department has conducted 8 national conferences and about 10 faculty development programs for the benefit of teaching fraternity in and around Bangalore. The department is a recognized research center under VTU(2010) where in about 10 faculty members are working for their PhD.

### Workshop

Two days workshop on Web TECHNOLOGIES was organized for TECHNICAL STAFF students on 29-01-18 to 31-01-18



### ELYSIA

Dept had organized technical fest ELYSIA on 21st march 2018. participants from various colleges made the event a grand success



### Sparsha [Community Service]

This year as a part of community service from department of ISE under "SPARSHA" staff visited Sudhama Old Age home on 15th June 2018 and donated clothes, books and groceries.



### STAFF TOUR

Staff trip was arranged on 8th and 9th June 2018 to Kodagu district in Karnataka. In Kodagu we visited places Kushalnagar, Madikeri, Nisargadhama, Harangi Dam and nearby places.



### INDUSTRIAL TOUR

Industrial visit was planned for students of 6th semester on 11-4-18 to CSIR-Institute of Oceanography, Goa.



### Guest Lectures [2017-2018]

| Sl No | Date    | Speakers       | Topic  |
|-------|---------|----------------|--|
| 1     | 4-11-17 | B. A. Sanjeev  | Career guidance on abroad education              |
| 2     | 17-3-18 | Amit das gupta | Emerging study opportunities in Australia        |
| 3     | 19-4-18 | Prabhu         | Hundred shortcuts to crack quantitative aptitude |



### Workshop[2017-2018]

| SL NO | DATE            | SPEAKERS          | TOPIC  |
|-------|-----------------|-------------------|--|
| 1     | 4-5-18 – 5-5-18 | Sreenivasa shetty | Introduction to robotics using arduino microcontroller |
| 2     | 5-9-17 – 6-9-17 | Santosh           | Web Application Development                            |
| 3     | 1-8-17 – 3-8-17 | Umesh             | Network Simulator Ns2                                  |

### Placement[2017-2018]

ISE Students have shown their Excellency in their academics by getting placed in various MNC Companies.

| COMPANY NAME     | NO OF STUDENTS PLACED |
|------------------|-----------------------|
| WISSEN INFOTECH  | 7                     |
| TECH MAHINDRA    | 13                    |
| WIPRO            | 10                    |
| CAPEGEMINI       | 3                     |
| MINDTREE LIMITED | 19                    |
| FIRST AMERICAN   | 35                    |
| CGI              | 5                     |
| AMAZON           | 3                     |
| ERICSSON         | 4                     |

### Staff Paper Presentation

| SL NO | PAPER TITLE   | STAFF NAME       | CONFERENCE NAME | NATIONAL | INTER NATIONAL | JOURNAL | DATE                    | PLACE             |
|-------|---|------------------|-----------------|----------|----------------|---------|-------------------------|-------------------|
| 1     | High resolution weather prediction using modified neural network approach over the districts of Karnataka state | Dr. Mohan H.S    | ICCNCT          |          | Yes            |         | 26th & 27th April, 2018 | Coimbatore, India |
|       | Distortion based privacy preserved association rules mining without side effects using closed itemsets          |                  | IEMIS           |          | Yes            |         | 23rd to 25th Feb, 2018  | IEM Group, India  |
| 2     | A review on CIP for minimizing energy consumption & improve network life time                                   | Kiran Kumar .V   | RTEIT-2018      |          | Yes            |         | 18th & 19th May, 2018   | SVCE, Bengaluru   |
| 3     | Subset significance threshold: An effective variable for mining significant closed frequent itemset             | Pavitra Bai .S   | IEMIS           |          | Yes            |         | 23rd to 25th Feb, 2018  | IEM Group, India  |
| 4     | Psagent- A Machine learning approach to real estate   | Sridevi G.M      | IJLTEMAS        |          |                | Yes     | May, 2018               |                   |
| 5     | Automated Car with distance sensor using Raspberry Pi   | Pavitra Bai .S   | IJRCCCE         |          |                | Yes     | Apr-18                  |                   |
| 6     | IOT based air pollution control using metering  | Poomima M        | NCCC-2K18       | Yes      |                |         | 14th May, 2018          | BTLIT, Bengaluru  |
| 7     | Examination Management  | Chethan R        | NCAIT 2018      | Yes      |                |         | 7th & 8th May, 2018     | JSSATE, Bengaluru |
| 8     | Detection of fraudulet websites   | Murali G         | NCAIT 2018      | Yes      |                |         | 7th & 8th May, 2018     | JSSATE, Bengaluru |
| 9     | OTP Password for system disposable feature templates  | Abhilash C N     | NCCC-2K18       | Yes      |                |         | 14th May, 2018          | BTLIT, Bengaluru  |
| 10    | Robust sclera recognition system with novel hough transform technique   | Mangula G        | IJRCCCE         |          |                | Yes     | Apr-18                  |                   |
| 11    | Arduino GPS tracking system   | Ranjith J        | NCCC-2K18       | Yes      |                |         | 14th May, 2018          | BTLIT, Bengaluru  |
| 12    | Smart vertical Farm using IOT   | Ramya B K        | IJRCCCE         |          |                | Yes     | Apr-18                  |                   |
| 13    | Go-Nomad mobile application   | Uday Shankar S V | NCMTCS-2018     | Yes      |                |         | 18th & 19th May, 2018   | MCE, Hassan       |