



|| Jai Sri Gurudev ||  
Sri Adichunchanagiri Shikshana Trust®

# SJB Institute of Technology

A Constituent Institution of BGS & SJBIT Group of Institution & Hospitals)  
No. 67, BGS Health & Education City, Dr. Vishnuvardhan Road, Kengeri, Bengaluru - 560 060

Approved by AICTE - New Delhi.  
Affiliated to Visvesvaraya Technological University, Belagavi,  
2(f) and 12(B) recognized by UGC, New Delhi.  
Accredited by NAAC, Accredited by NBA. Certified by ISO 9001-2015



## Department of Information Science & Engineering

July 2021-22

ISSUE-11

### Editorial Board

Chief patron : His holiness Sri Sri Sri Dr. Nirmalanandanatha Maha Swamiji  
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## DEPARTMENT NEWSLETTER - SPOORTHI



### About SJBIT

Sri Adichunchanagiri Shikshana Trust® was established in 1974, with the blessings of His divine soul Jagadguru Padmabhushana Sri Sri Sri Dr. Balagangadharanatha Maha Swamiji. Importance has been given to impart three components of education - Intellectual, Spiritual and Physical needs of the students. With the Vision, the Trust has started over 500 educational units across the country benefiting more than one lakh students every year. Presently, the Trust is being administered by the Chairman, Chief Pontiff, His Holiness Jagadguru Sri Sri Sri Dr. Nirmalanandanatha Maha Swamiji, beneath the Trust & BGS group of Institutions; established many institutions right from Nursery, High school, Pre-University College, Pharmacy, Ayurvedic, Management, Architecture, Engineering, Medical etc. Revered Sri Sri Dr. Prakashnath Swamiji is the Managing Director, BGS group of Institutions and is diligently associating with Sri Adichunchanagiri Shikshana Trust®. SJB Institute of Technology is one amongst these institutions started during the year 2001. SJBIT is committed to personal, social and intellectual growth emphasizing a comprehensive educational programme leading to high academic standards. Spreading across sprawling 50 acres of land; SJBIT is located amidst natural serene atmosphere, 14km from Bengaluru city near Kengeri. It is affiliated to Visvesvaraya Technological University, Belagavi, Approved by AICTE, New Delhi, Accredited with 'A' grade by NAAC and Accredited by NBA for all the 6 Undergraduate courses. The institution provides technical education fostering today's students to become tomorrow's engineers and entrepreneurs.

SJBIT offers 6 Under Graduate Programmes, 10 Post Graduate Programmes and 7 departments have been recognized as Research centers.

The Institution is headed by Dynamic and Energetic Leader, our Principal Dr. Ajai Chandran.C. K, SJBIT. His support, guidance and motivation are the key factors in inspiring the young minds and staff of the institution.



Dr. Ajai Chandran C.K  
Principal, SJBIT

### Institution Vision

To become a recognized technical education center with a global perspective.

### Institution Mission

To provide learning opportunities that fosters student's 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



### Dr. Mohan H.S, Prof., & Head

There are totally 27 Faculties in our Department, 20 Asst. Prof., 5 Assoc. Prof, 2 Professor and 10 Technical staffs, entire department headed by Dr. Mohan H.S. The department has well-equipped laboratories with 200 systems and internet connections to benefit our students.

### Unique Features

- Proctor System
- Smart class Rooms
- Special course and certification
- Digital course content.
- Mini projects for the 5th and 6th Semester students are taken up every year on regular basis for all the students with cent percent participation.
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- Internship for 8th Semester students are taken up every year , students carry out their project in the companies tied up with the department
- 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 Engineering with an intake of 18.

As of now, the department has produced about 800+ graduates and about 50+ post graduates. The department is proud to say that eight UG students and one PG student have secured ranks at the state level University. The department has conducted 9 national conferences and about 12 faculty development programs for the benefit of teaching fraternity in and around Bengaluru. The department is a recognized research center under VTU (2010) where in about 90% of faculty members are working for their Ph.D.

### ➤ Department MOU's

Sl.No.	Company Name	Period	Validity	Coordinator
1.	M/s DHS Informatics Pvt. Ltd.	23/02/2021 to 23/02/2024	03 Years	Dr. Murali G
2.	M/s RECTOPAGE Software	27/02/2021 to 27/02/2024	03 Years	Dr. Rekha B Mrs Poornima M
3.	Tech Fortune Technologies	05/03/2021 to 05/03/2024	03 Years	Mr. Siddanna S R
4.	iKonect., division of LIVEWire	05/03/2021 to 05/03/2024	03 Years	Dr. Murali G
5.	JK Infotech., Bengaluru	01/07/2021 to 01/07/2024	03 Years	Dr. Mohan H S Mr. Santhrupth B C
6.	M/s iPEC Solutions Pvt.Ltd,	20/07/2021 to 20/07/2024	03 Years	Dr. Rekha B Mrs. Poornima M
7.	M/s. Programink Pvt.Ltd,	22/09/2021 to 21/09/2024	03 Years	Dr. Abhilash C N Mr. Chetan R
8.	TURIYA AVASTHA Pvt. Ltd.	27/09/2021 to 26/09/2023	02 Years	Rohini T V Ashwini K
9.	Aqmenz Automation Pvt Ltd.,	30/09/2021 to 30/09/2024	03 years	Dr Pavitra Bai S Ramya
10.	Grep & AWK Technologies LLP	07/10/2021 to 07/10/2024	03 Years	Mr. V Kiran Kumar Mr. Siddanna S R
11.	Introtallent Pvt. Ltd	25/10/2021 to 24/10/2023	02 Years	Mrs. Sridevi G M Mrs. Supriya B N
12.	Techcanopy Software Labs	17-12-2021 to 17-12-2024	03 Years	Mr.Ranjith J Mr. Chetan R Mr. Vishruth B G
13.	E-Prominent Consultant	06/01/2022 to 06/01/2025	03 Years	Mrs. Yamuna U Dr.Vinod H C Dr. Manu M N Mr. Santhrupth B C Mr. Jeevaraj R Mrs.Swathi B V

## ➤ Achievements



The HOD and the faculty members of ISE department congratulate **Sukrutha C Basappa** (1JB16IS105) for securing 4th Rank ( 8.98 CGPA) in the VTU during 2019-20 batch.



The HOD and the faculty members of ISE department congratulate **Akanksha** (1JB17IS006) for securing 2nd Rank ( 9.37CGPA) in the VTU during 2020-21 batch.

**Department feels proud to announce that three of our research scholars have completed their PhD during the academic year 2021-22.**



Department of ISE Congratulates **Mrs. Manjula G** on completing Ph.D. in Computer Science and Engineering from **VTU University** for the thesis entitled **“Design & Analysis of a Secure & High Capacity Image Steganography Technique Using Wavelets & Modified AES Algorithm”** under the guidance of Dr. Mohan H.S, Prof., & Head Dept. of ISE.



Department of ISE Congratulates **Mrs. Rohini T.V** on completing Ph.D. in Computer Science and Engineering from VTU University for the thesis entitled **“Optimal Data Placement for Heterogeneous Data Processing Environment”** under the guidance of **Dr. M V Ramakrishna, Ph.D from Univ. of Waterloo, Canada, Professor, Dept. of ISE, SJBIT.**



Department of ISE Congratulates **Mr. Naveen L** on completing Ph.D. in Computer Science and Engineering from **VTU University** for the thesis entitled **“A Novel Approach For Weather Prediction Using Neural Network”** under the guidance of Dr. Mohan H.S, Prof., & Head Dept of ISE.

## ➤ Staff Tour

Faculty members had been to Amegundi Resort as part of one day trip organized by staff club on 23-03-2022.



## ➤ Industrial Visits

Faculty members had been to Amegundi Resort as part of one day trip organized by staff club on 23-03-2022.



## ➤ Guest Lectures

<i>Sl. No.</i>	<i>TOPIC</i>	<i>SPEAKERS</i>	<i>Audience/ semester</i>	<i>DATE</i>
<b>1</b>	Cloud Technologies And Job Opportunities in IT sector	Tokala Durga Rao Senior Technical Manager Oracle India	8th sem	29-02-2020
<b>2</b>	Job Search for switch in India	Namarta Birlurkar Softwar Developer, Twitter	5th Sem A & B	23-11-2020
<b>3</b>	Buliding Network Sevirces for public Cloud	Prasad K Senior software Engineer, IBM	3rd A & B C	12-09-2020
<b>4</b>	Final year Project Domain	Rajan G Managing Director DHS Informatics Pvt. Ltd.	6th A B	24-07-2021
<b>5</b>	“Webinar on Internship opportunities”	Fathima Afroz CEO and founder iPEC Solutions Pvt. Ltd	6th semester Students	29-07-2021
<b>6</b>	Awareness and importance of AICTE Activity points	Harsha S,Secretary, LGS Trust	7th semester A and B section	11-12-2021
<b>7</b>	Career Opportunities	Sowmya Prabha ,Carreer Expert and Learning Architect	5th semester A and B section	17-12-2021
<b>8</b>	Map Reduce, Hive and Pig	Surendra H,Technical Manager for Data science, Pegasus Knowledge solutions India Private Limited	7th Semester A and B section	18-12-2021
<b>9</b>	Current Trends in Industry 4.0 and job skills for Tomorrow	Mohan Shamanna, Chief mentor and Mohammed Azhar Hussain, CTO, Indoskill	3rd Semester A and B section	05-02-2022



## ➤ Faculty Development Programme & Workshop

Department of ISE had organized five days Online Faculty Development Program on “NoSQL Database from 28-03-2022 to 01-04-2022. All the sessions were informative and interactive.

Department of ISE had organized three day workshop for technical staff on Hands on Linux server installation and windows configuration from 22-03-2021 to 24-03-2021.



## ➤ Staff Paper Presentation

Sl. No.	PAPER TITLE	STAFF NAME	Journal/Conference Link	DATE
1	Enhanced Lane Detection using Open Source Computer Vision	Dr. Mohan H S	<a href="http://www.ijserd.com/articles/IJSRDV9I60090.pdf">http://www.ijserd.com/articles/IJSRDV9I60090.pdf</a>	2020-21
2	An Multilevel efficient energy clustering protocol with secure routing (MEECSR) in WSNs	Dr. Mohan H S	<a href="https://gigvvy.com/journals/ijase/articles/ijase-202106-18-2-008">https://gigvvy.com/journals/ijase/articles/ijase-202106-18-2-008</a>	2020-21
3	De-duplication Of Images Within The Document	Dr. Rekha B	<a href="https://ijaecs.iraq.in/paper_detail.php?paper_id=17412">https://ijaecs.iraq.in/paper_detail.php?paper_id=17412</a>	2020-21
4	Shortest path discovery for Area coverage using Prediction based clustering in WSN	Dr. Abhilash C N	<a href="https://doi.org/10.1007/978-981-15-3514-7_101">https://doi.org/10.1007/978-981-15-3514-7_101</a>	2020-21

5	Prediction of Cataract and Diabetic Retinopathy using Deep Neural Network	<b>Dr.Pavithra Bai S</b>	<a href="https://saejournal.com/wp-content/uploads/2021/07/Prediction-of-Cataract-and-Diabetic-Retinopathy-using-Deep-Neural-Network.pdf">https://saejournal.com/wp-content/uploads/2021/07/Prediction-of-Cataract-and-Diabetic-Retinopathy-using-Deep-Neural-Network.pdf</a>	2021-22
6	“Medchain: Securing Electronic Medical Records with a Peer to Peer Networks and Distributed File System	<b>Dr.Manu M N</b>	<a href="https://link.springer.com/chapter/10.1007%2F978-981-16-1480-4_1">https://link.springer.com/chapter/10.1007%2F978-981-16-1480-4_1</a>	2021-22
7	PHISHING DETECTION USING CONVOLUTION NEURAL NETWORK	<b>Dr.Manu M N</b>	<a href="https://drive.google.com/file/d/1HbqXx7mjaoaVaAXGcHMH95jIVqfXUs9V/view">https://drive.google.com/file/d/1HbqXx7mjaoaVaAXGcHMH95jIVqfXUs9V/view</a>	2021-22
8	A Comparative Study Of Bengaluru House Price Prediction Using Machine Learning Models	<b>Prof. Chetan R</b>	<a href="https://drive.google.com/file/d/1EziHE6uPcDUAGNYVuwk0FrI3Jsfgo7Kv/view">https://drive.google.com/file/d/1EziHE6uPcDUAGNYVuwk0FrI3Jsfgo7Kv/view</a>	2021-22
9	A Diagnostic Approach For Avoidance Of Multi-pirated Nodes In Wireless Sensor Network	<b>Prof. Chetan R</b>	<a href="https://drive.google.com/file/d/1noNxm2GHPVp_qK_AptNZxEt_5angLOQ9/view">https://drive.google.com/file/d/1noNxm2GHPVp_qK_AptNZxEt_5angLOQ9/view</a>	2021-22
10	Blockchain based Knapsack system for Security and Privacy Preserving to Medical data	<b>Prof. Ranjith J</b>	<a href="https://www.semanticscholar.org/paper/Blockchain-based-Knapsack-System-for-Security-and-Ranjith-Mahantesh/46a86486dbcd70bddbda07e4dd04a334de162b69">https://www.semanticscholar.org/paper/Blockchain-based-Knapsack-System-for-Security-and-Ranjith-Mahantesh/46a86486dbcd70bddbda07e4dd04a334de162b69</a>	2021-22
11	An Multilevel efficient energy clustering protocol with secure routing (MEECSR) in WSNs	<b>Prof. Rajesh L</b>	<a href="https://gigvvy.com/journals/ijase/articles/ijase-202106-18-2-008">https://gigvvy.com/journals/ijase/articles/ijase-202106-18-2-008</a>	2021-22
12	Adaptive Group Teaching Based Clustering and Data Aggregation with Routing in Wireless Sensor Network.		<a href="https://link.springer.com/article/10.1007%2Fs11277-021-08971-6">https://link.springer.com/article/10.1007%2Fs11277-021-08971-6</a>	2021-22
13	Design of AUSHADHI –a Medical Chatbot	<b>Prof. Rajesh L</b>	<a href="https://www.ijres.org/papers/Volume-9/Issue-7/Series-10/J09076872.pdf">https://www.ijres.org/papers/Volume-9/Issue-7/Series-10/J09076872.pdf</a>	2021-22
14	Adaptive dynamic data replication in distributed systems Chip, Circuitry , Current, Coding, Combustion-2019	<b>Prof. Rohini T V</b>	<a href="https://www.jardcs.org/abstract.php?id=3552">https://www.jardcs.org/abstract.php?id=3552</a>	2021-22
15	Sentiment Prediction using Enhanced XGBoost and Tailored Random Forest	<b>Prof. Supriya B N</b>	<a href="http://dx.doi.org/10.12785/ijcds/100119">http://dx.doi.org/10.12785/ijcds/100119</a>	
16	Transfer learning for prediction of sentiment in hotel reviews		<a href="https://turcomat.org/index.php/turkbilmat/article/view/9139">https://turcomat.org/index.php/turkbilmat/article/view/9139</a>	2021-22

## ➤ Placement

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

<b><i>COMPANY NAME</i></b>	<b><i>NO. OF STUDENTS PLACED</i></b>
SASKEN	05
IG Infotech	04
DXC Technology	20
Hexaware	05
Zensar	04
Accenture	27
L&T Infotech	10
TCS	13
Betsol	03
Wipro	19
Atos	09
Thought Clan	02
Atos	09
Tech Mahindra	06
IG Infotech	02
V2Solutions	04