



||JAI SRI GURUDEV||  
Sri Adichunchanagiri Shikshana Trust ®

## SJB INSTITUTE OF TECHNOLOGY

(Affiliated to VTU, Approved by AICTE –New Delhi) and Accredited by NAAC with “A” Grade

No. 67, BGS Health & Education City, Dr. Vishnuvardhan Road, Kengeri, Bengaluru - 560 060

## Department of Computer Science & Engineering



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### SADHANA

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#### About SJBIT

SJB Institute of Technology (SJBIT) is situated in Silicon city Bengaluru, Karnataka state, India. It is affiliated to Visvesvaraya Technological University, Belagavi, approved by AICTE, New Delhi and Accredited by NAAC with “A” Grade. SJBIT is one among the BGS group of Institutions governed by Sri Adichunchanagiri Shikshana trust which was established in the year 1974, with the Blessings of His Divine Soul Jagadguru Padmabhushan Sri Sri Sri Dr. Balagangadharanatha Maha Swamiji with the vision to impart intellectual, spiritual, and physical needs of the students. Presently the trust is being administrated by Chief Pontiff, His Holiness Sri Sri Sri Dr. Nirmalanandanatha Maha Swamiji. SJBIT is committed to personal, social, and intellectual growth emphasizing a comprehensive educational programme leading to high academic standards with the leadership of Revered Sri Sri Dr. Prakashnath Swamiji, Managing Director, BGS Group of Institutions is diligently associating with Sri Adichunchanagiri Shikshana Trust. The Institution is headed by Dynamic and Energetic Leader, our Principal Dr. Puttaraju. His support, guidance and motivation are the key factors in inspiring the young minds and staff of the institution.



#### Institution Vision

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



#### About The Department

Computer Science and Engineering department has established in the institution during the year 2001. Being one of the core departments it is headed by **Dr. Krishna A N**. The department has recognized as a “Research Center” by VTU. The department has strengthened with qualified Doctorates, Professors, Associate Professors, Assistant Professors and Technical Staff and committed to continuously improve the quality of education by enhancing the knowledge of student and staff members. The department is equipped with state of the art laboratories having the latest configurations, software tools and department library and it presents an unique opportunity to study exciting fields under the guidance of quality teachers. The department has grabbed 6 gold medals and 21 ranks till date.



**Dr. Krishna A N**  
Professor & Head Dept. of CSE

#### Department Vision

To become a Centre of excellence producing “Creators of Innovative Technology” who can contribute positively to the ever changing industrial demands and societal needs.

#### Department Mission

- ▶ To encourage participation of faculty and students in research activities for enhancing their subject knowledge and acquire information regarding current trends
- ▶ To provide **exposure** to students on latest tools and technologies in area of Computer Science and Engineering.
- ▶ **Preparation** of our graduates for leadership in profession and in higher education by providing excellent teaching learning environment enabling them to serve the society.



## Department Highlights

- ▶ The department has 180 in-takes, considering all the technical quality and facilities provided by the management.
- ▶ The department is strengthened with 34 faculties out of which 6 are doctorates and 18 are pursuing PhD and 12 are Supporting Staff.
- ▶ The department is Coordinating IEEE Student Chapter.

## Achievements of Faculty

**Dr. Bindiya M K**, Associate Professor, awarded with the Ph.D degree in the month January 2020 for the work titled “A Novel Approach for personalized Big Data Security system using soft computing methods” under the guidance of Dr. Ravi Kumar G.K, Director &Head R& D, BGSIT in VTU.



## Department Activity

### Workshop

Dept.of CSE has organized Three days workshop on “Microcontroller & Embedded Systems” from 20th to 22nd January 2020.The speakers for the seminar were Mr. Vishwanath Thammanna Managing Director, V V Technologies, Bengaluru and Mr. Arun Kumar S, Division Manager, V V Technologies, Bengaluru.



- Department has organized inter-college Smart India Hackathon (SIH) 2020 on 24th January 2020.The theme of the hackathon was kept open to encourage projects and ideas of all domains.

## Invited Talks

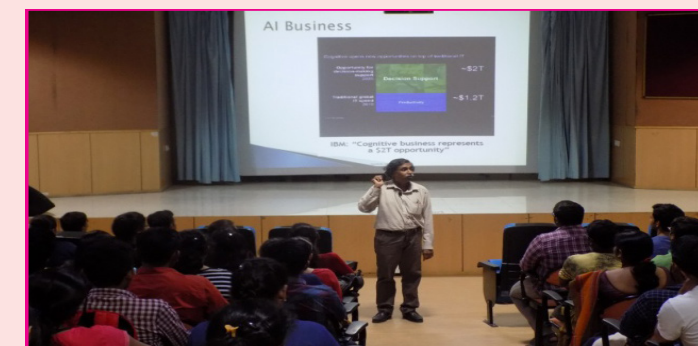
- ▶ Department has organized a Guest Lecturer on “Life Skills” for 6th semester students on 15/02/2020. The speaker for the seminar was Mr. Shashank R, Associate Application Development Engineer from Unisys, Bengaluru.



- ▶ Our college Entrepreneurship Development Cell (EDC) organized Entrepreneurship Awareness Camp for our department students. Entrepreneurship Development Cell aims to promote the entrepreneurship culture in and around the campus by providing multiple platforms to budding entrepreneurs where they can improve upon their business models, get mentorship by successful entrepreneurs, interact with investors and groom their entrepreneurship skills.



- ▶ Our Department IEEE student chapter has organized IEEE Awareness Seminar for students on 07/03/2020.



- ▶ Department has organized a Guest Lecturer on “Artificial Intelligence and its applications in Industry” for 6th semester students on 11/03/2020. The speaker for the seminar was Dr. Manjunath Iyer and Mr.B N Chandrashekar, from Wipro Technologies, Bengaluru.



## List of webinar conducted online

Sl. No	Resource Person	Topic	Date & Time
1.	Mr. Deepak Rao Staff Software Engineer, Extreme Networks, Bengaluru.	gRPC Framework, gNMI and its applications in IT	18/05/2020
2.	Dr. Prakash G L Assistant Professor - Selection Grade UPES University, Dehradun	AWS cloud tools	21/05/2020
3.	Mr. Vishwas H S Physical Design Engineer, Altran Technologies	Chip Design: An Overview of Physical Design Activities for Advanced Terchnology Nodes	22/05/2020
4.	Mr. Srinivasa Rangan Gorur, MTS-1, Paypal Company, Bengaluru	Insights of reactJS	23/05/2020
5.	Mr. Kiran Kumar S, SAP BW Achitect, Tieto evry corporation	SAP ERP and reporting tools	26/05/2020
6.	By Mr. Chandrashekar B N, Principal Consultant, Wipro Technologies	Demystifying CNN	29/5/2020



### Alumni Interactions

Department allows regular alumni interactions with current students to encourage them in career guidance like higher studies and other. Online interactions were conducted on “OOPS in PHP” on 22/05/2020 for all semester students by our alumni Mr. Ravi Ranjan, CO-Founder, AZSM Enterprises, J. P Nagar, Bengaluru

Alumni online interactions were conducted on “Cyber Security” on 27/05/2020 for all semester students by our alumni Mr. Santosh, Manager, PwC India, Bengaluru. And Online interactions were conducted on “Human pose estimation” on 29/05/2020 for all semester students by our alumni Mr. Gowtham, Master’s in applied research (CS), Hochschule HOF, Germany

### Placement Columns

When it comes to placements SJBIT stands high, like ever before even this season we found students performing well at the placements activity. Dept. of CSE has bagged over 126 offer letters. With the coordination and cooperation of HRD and support from our principal and management, Department of Computer Science and Engineering has got almost all its students placed. There were more than 37 MNC visited our campus. Many of them have more than one offer. We look forward for another good season of placements coming year.

### Staff Publications

1. Srikantaiah K C, Chandrashekar D K “Big Data Analytics for Deriving Business Intelligence Rules” International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-1, PP. 1629-1637, November 2019. (Scopus Indexed)
2. Srikantaiah K. C, Chandrashekar D. K “MRCS: Map Reduce based Algorithm for Identifying Important Features from Big Data using Chi-

Square Test”, International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-2S, December 2019

3. Srikantaiah, K. C, Dhanalakshmi, B. K “MOP: Predicting Multiple Output in Multi-Sharing System”, International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-8 Issue-3, Page No- 4129- 4137 September 2019
4. K. C. Srikataiah, Dhanalakshmi, B. K. “Carry forward and access control for unused resources in multi sharing system of hybrid cloud.” Elsevier Future Generation Computer Systems (2020).
5. Naveena C “Fruit Disease Classification based on Texture Features”, International Journal of Computer Applications (0975 – 8887) Volume 178 – No. 49, Page No - 11 – 15, September 2019.
6. Naveena C, Ajay B N “A Symbolic Representation and Classification of Fruits”, International Journal of Computing and Digital Systems ISSN (2210-142X) Int. J. Com. Dig. Sys. 8, No.6 Page No - 565 – 575, Nov-2019.
7. Umashankar M L, Dr. Anitha T.N “A Hybrid Predictive Reconfigurable Multi-Path Routing Algorithm to Enhance the Network Robustness and Lifetime Optimization in Wireless Sensor Networks” International Journal of Grid and Distributed Computing, ISSN: 2005-4262 IJGDC Vol. 13, No. 1, (2020), pp. 1397 – 1425, May 2020.
8. Shubha T V “Stock Market Prediction using Machine Learning and Natural Language Processing”, International Research Journal of Engineering and Technology (IRJET) Volume: 07 Issue: 05 | May 2020

### Editorial Board

Chief Patron: His Holiness Jagadguru Sri Sri Sri Dr. Nirmalanandanatha Maha Swamiji

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Editors: Dr. Srikantaiah K C, Mrs. Prakruthi M K and Staff, Dept. of CSE