



||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

December 2020

SADHANA

Issue 13

### 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. Ajai Chandran.C. K, SJBIT. 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.

#### ■ Institution Mission

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





### ■ 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 37 faculties out of which 7 are doctorates and 15 are pursuing PhD and 13 are Supporting Staff.
- ♦ The department is Coordinating IEEE Student Chapter.

### ■ Achievements of Faculty

Dr. Ajay B N, Associate Professor, he has 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. Naveena C, Professor, Dept. of CSE, SJBIT in VTU.



### ■ Department Activity

#### Workshop

Dept.of CSE has organized Four days workshop on “Database Management Systems on Linux platform” from 12th to 15th Sept 2020 for Non-Teaching staff. The speakers for the seminar were Dr. Srikantaiah K C, Dr. Bindiya M K, Mrs. Prakruthi M K, Mrs. Manjula H S Dept. of CSE,SJBIT.

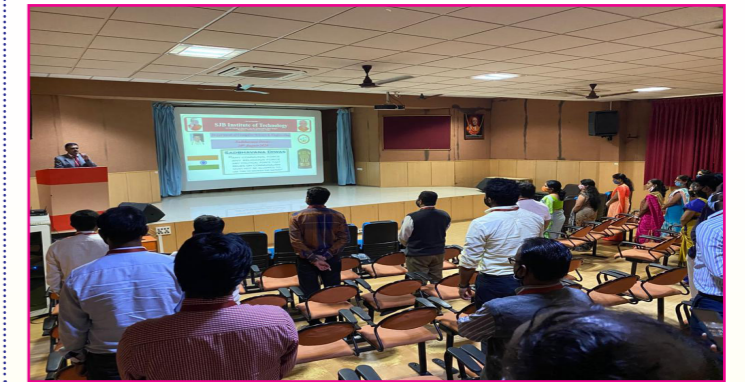
Dept.of CSE has organized Three days workshop on “Data Science and Cyber Security(Online)” from 28th to 31st August 2020.The speakers for the seminar were Mr. Ramesh Karpuram, Senior Data Scientist , EMC, Bengaluru, Mr. Mannju Sagar and Mr. JanilMalhara, Pre sales, EON Reality, Mr. Gowtham B C, Computer vision and ML engineer, Livello Technologies Düsseldorf, Germany, Mr. Pradeep singh, IT manager, Softaxa solutions, Dr. Mustafa Basthikodi, Professor

and Director, Plagzero R & D Solution, Mangalore., Mr. Sumit Ranjan, Data Scientist, VM ware , Bengaluru.

### ■ Sadbhavna Diwas (Harmony Day).



Dept.of CSE Celebrated Sadbhavna Diwas with great enthusiasm in the memory of our late Prime Minister, Rajiv Gandhi on 20/08/2020.



### ■ Webinars

Department has conducted online webinars on various current trend topics for all students. Below is the list of webinar conducted online.

Sl. No	Resource Person	Topic	Date
1.	Mr. Praveen Kumar Henur, Software Lead, Utopus Insights India Pvt. Ltd	Industrial process of software testing and framework	30/05/2020
2.	Rajinishree, Assistant Professor, Jain University	Python Hands on	03/06/2020
3.	Mr.Krishna Mohan Keelara Mari Swamy, Software Developer Senior Manager, Oracle Pvt. Ltd, Bengaluru	Machine Learning	06/06/2020
4.	Ms. Pooja V N, Master of Engineering in Biug Data and Data Analytics, Manipal University	Tableau- Data Visualization tool	10/06/2020
5.	Mr. Hemanth Kumar Data Science Consultant Rubixe Technologies Pvt,Ltd, Bengaluru.	Data Science	07/08/2020
6.	Prof. Nataraj H Dept. of Collegiate Education Govt. of Karnataka	Hacking Technique in 2020	24/07/2020

### ■ 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 for all semester students by our alumni.

■ List of webinar conducted online

Sl. No	Resource Person	Topic	Date
1	Mr. Shashank R, Associate Application Development Engineer Unisys, Bengaluru	Letting go	08/06/2020
2	Vidya Srinivas, App Developer and Music Teacher, Infrasonic, Bengaluru	Music Therapy in everyday life	19/06/2020
3	Mrs. Roopashree K. S. Asst. Professor, SJBIT Trained Classical Dancer Mr. Yathish Kumar Alumni of SJBIT Trained Western Dancer	Let's Take a Dance Break !	29/07/2020 04 PM
4	Mr. Manohar (2010-14 Batch) Senior software Engineer Grab, Singapore.	Exploring Startups - in the Year 2020	21/07/2020
5	Mr. Chhitij Saraswat Data Scientist Winkl, Bengaluru. Mr. Prajwal Shenoy Software Engineer MindTree Ltd, Bengaluru	Placement Preparation: Your Career Path Begins Here	04/07/2020- 05/7/2020
6	Mr. Sanket Sahu Chief Executive Officer (CEO) & Co-Founder, GeekyAnts Pvt Ltd. Mr. Atul Ranjan Chief Technical Officer (CTO) & Co-Founder, GeekyAnts Pvt Ltd. Mr. Digvijay Wanchoo Asst. Marketing Communication Manager, GeekyAnts Pvt Ltd.	Tips to Crack Interviews as a Fresher	43990

■ Placement Columnns

Human Recourse Development is the Framework for helping students to develop their personnel and organizational skills, knowledge and abilities so as to enhance their personality as well as help them get placed in an organization which as global presence. With the curriculum, SJB Institute of technology is providing Vacation training for final year students and for lower semester students. We have regular HRD training during the semester for better outcome. Company specific training is been given for students few days before the company visiting the campus. As

per the company requirements placement cell has modified and refined the training activates and is achieving quality. Dept. of CSE has bagged over 126 offer letters 2019-20 batch. With the coordination and cooperation of our department with the placements cell and support from our principal and management department of computer science and engineering has got almost all its students placed. There were more than 45 MNC visited our campus. Many have more than one offer. We look forward for another good season of placements coming year.

■ List of companies visited

Sl.No	Company Name	No. of students Recruited	Sl.No	Company Name	No. of students Recruited
1.	6D Technology	1	2.	Morgan Stanley	4
3.	Accenture	156	4.	Mu Sigma	1
5.	Accenture - ICI Role	16	6.	NTT Data	24
7.	Betsol	5	8.	Nuchange Informatics	6
9.	BYJUS	1	10.	Pinclick	7
11.	CGI	5	12.	Pluto7	6
13.	CSG International	1	14.	Prodapt	2
15.	CTS	17	16.	QUESSCORP	9
17.	Deltax	2	18.	SMARTBRAINS	6
19.	First American	6	20.	Sonata Software	2
21.	Global Edge	2	22.	Square Yard	16
23.	HCL Technologies	1	24.	TCS	71
25.	HiveMinds	2	26.	TECH Mahindra	1
27.	HUDL INDIA PVT	16	28.	Topper Technology	2
29.	IBM	2	30.	TRUFEDU	3
31.	IG Group	1	32.	Value Labs	3
33.	India Mart	2	34.	VMWARE	3
35.	Infosys	54	36.	WileyNXT	2
37.	Infrd	8	38.	Wipro	14
39.	JUSPAY	1	40.	Wissen Infotech	5
41.	L&T Infotech	30	42.	Zensar	12
43.	LIDO	1	44.	Zycus Infotech	1
45.	Mindtree	12			

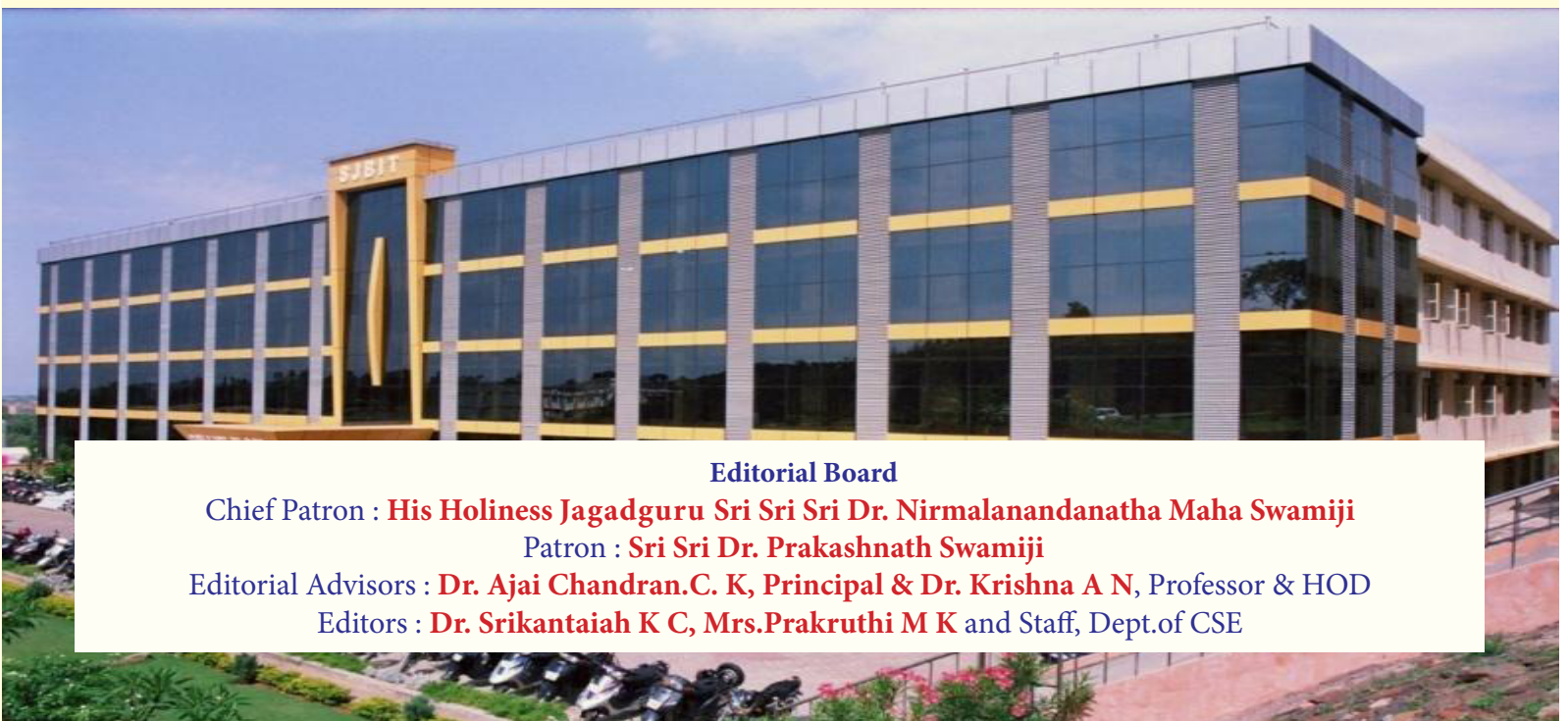
■ Staff Publications

- Naveena C "SUPER RESOLUTION:A SIMPLIFIED APPROACH USING GANs"International Journal of Innovative Science and Research Technology(IJISRT)Volume 5, Issue 7, July – 2020, ISSN No:-2456-2165, Page No - 188-191, July 2020.
- Bindiya M K "Eye Blink to Voice Communication" International Journal of Scientific Research in Engineering and Management (IJSREM), Volume: 04 Issue: 09, ISSN: 2582-3930, Page No - 1 – 6 Sep 2020.

- Nirmala H "MUSIC CATEGORIZATION BASED ON FACIAL FEATURE EXTRACTION USING MACHINE LEARNING" International Research Journal of Engineering and Technology (IRJET), Volume: 07 Issue: 09, e-ISSN: 2395-0056,p-ISSN: 2395-0072, Page No - 35 – 41, Sep 2020
- Pavithra G S "Energy Efficient Hierarchical Clustering using HACOPSO in Wireless Sensor Networks", International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-8 Issue-12, Page No – 5219 – 5225, October, 2019.



5. Shanthakumar H C “A Research Paper on Self Driving Autonomous Car” International Journal of Engineering Applied Sciences and Technology, Vol. 5, Issue 3, ISSN No. 2455-2143, Page No - 170 – 173, July 2020.
6. Shanthakumar H C “GREEN THE MAP: AN EFFICIENT WASTE MANAGEMENT SYSTEM” International Journal of Scientific Research in Engineering and Management (IJSREM), Volume: 04, Issue: 06, ISSN: 2582-3930, Page No - 1-5, July 2020.
7. Umashankar M L “Automated Facial Recognition Attendance System Leveraging IOT Camera” International Research Journal of Engineering and technology, Volume: 07 Issue: 07 e-ISSN: 2395-0056, Page No - 5490 – 5492, July 2020.
8. Umashankar M L “Embedded Motorcyclist Safety Ensurance System” International Research Journal of Engineering and technology, Volume 7 Issue 7, e-issn :2395-0056, p-issn:2395-0072, Page No - 833 – 836, July 2020.
9. Chaitra H K “Flood monitoring and detection system using Iot and identification of victim using image processing” International Research Journal of Engineering and Technology, Volume:07 Issue:08 e-ISSN:2395-0056 p-ISSN: 2395-0072 Page No - 2991 – 2996, Aug 2020.
10. Chaitra HK, Dr. Suneetha K.R “Data Pre-Processing on Web Server Access Logs of University for User Interaction Patterns” International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878, Volume-9 Issue-2, pp213-220, July 2020.
11. Chandan K N “Smart Shopping Trolley Using Raspberry pi” International Research Journal of Advanced Engineering and Science” Volume 5, Issue 3, ISSN: 2455-9024, Page No - 120 – 123, July 2020.
12. Lochan Gowda M “Multi grid phase field skin tumor segmentation using 3D ultrasound images” International Journal of Scientific Research & Engineering Trends, Volume 6, Issue 4, July-Aug-2020, ISSN (Online): 2395-566X, Page No - 2410 – 2415, Aug 2020.
13. Arun Kumar D R “A Deep Learning Approach for Real-Time Garbage’s Detection and Cleanliness Assessment” International Research Journal of Engineering and technology, Volume: 07 Issue: 08 e-ISSN: 2395-0056 p-ISSN: 2395-0072 Page No - 1410 – 1416, July 2020.



#### Editorial Board

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