

|| Jai Sri Gurudev ||



ADICHUNCHANAGIRI UNIVERSITY
BGS INSTITUTE OF TECHNOLOGY

(Approved by AICTE, New Delhi; Affiliated to VTU, Belagavi &
Recognised by Govt. of Karnataka)

BG Nagara - 571448, Nagamangala Taluk, Mandya District, Karnataka (INDIA)
Tel: 08234-28841 - 419, Web : www.bgsit.ac.in



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING



Volume - 8 | Issue - 11

PRANATHI

Jul 2019 – Dec 2019



BLESSINGS....!

Once all the gods assembled to decide the most secured place to keep the "Atma-Gnana" so that human beings cannot access the same. In the assembly each individual god came out with his plan, so that human beings cannot steal the "Atma-Gnana". Some said let us keep it in the sky. But immediately it was rejected because they said the human beings are likely to invent machines like aero planes and satellites with which they will steal this from the sky. Some came out with the alternative and said "Let's keep it in the sea." Pat came the answer: "If men can steal it from the sky, will they not steal it from the sea?". The suggestion that it is better to keep it at the top of a mountain was rejected outright.

But the Supreme God had his plan very well cut out. If men are going to steal 'Atma-Gnana' if kept elsewhere why not keep it within them so that they will safeguard it since they are made its custodians. Then He kept it within the safe vault of everybody's heart. But the pity is that we are searching for Atma-Gnana though it is kept firmly within the hearts of everybody like the proverbial deer searching for 'Kasturi' thinking that the fragrant thing is not within itself but somewhere outside. It will search for the same everlastingly.

Likewise, the Supreme Lord sent us to this world instructing us to find out the most precious thing called "Atma-Gnana" within us. Not realizing this man goes to the mountains in search of God; he goes to the forest to renew his search and goes to temples for the same purpose. Not that God is not there in these places. Have not our elders assured us time and again God resides in the speck of dust and in the woods as well as blades of grass also. They have further said that there is no place on earth where there is no God. That is true. When God is everywhere, then is it not true that he is within each one of us? If yes, then why do we go to temples and why do we go to the Gurus. We go there in order to purify our inner mirror. Dust settles on this inner mirror quite quickly. The dust makes it impossible to have a clear vision. If we want to have a clear vision of ourselves we need to remove the dust of ignorance. The removal of ignorance ensures clear vision.

BGS INSTITUTE OF TECHNOLOGY

VISION

BGSIT is committed to the cause of creating tomorrow's engineers by providing quality education inculcating ethical values.



MISSION

- Imparting quality technical education by nurturing a conducive learning environment.
- Offering professional training to meet industry requirements.
- Providing education with a moral - cultural base and spiritual touch.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VISION

To produce engineers by possessing good technical knowledge and ethics through quality education and research.



MISSION

M1: Achieve excellence by providing good infrastructure and competent faculty.

M2: Strengthening the technical, soft skills, leadership qualities and ethical values to meet the industry requirements.

M3: Facilitate experimental learning through research projects.

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

PEO 1: Graduates will be pursuing successful career and higher education.

PEO 2: Graduates will be able to apply the knowledge of programming skills to solve the real-world problems.

PEO 3: Graduates will display professional ethics to work in a team and lead the team by effectively communicating the ideas.

PEO 4: Graduates will practice lifelong learning.

PROGRAM SPECIFIC OUTCOMES (PSOs)

PSO 1: Ability to apply Mathematical Methodologies, Management Principles and Ethics, Electronics and Embedded Systems and Programming Technologies to solve real time problems.

PSO 2: Ability to apply software design and development practices to develop software in emerging areas such as Internet of Things, Data Management, Social Networking and Security, Cloud and High-Performance Computing.

Chair Person

Dr. B.K. Narendra
Principal

Editor

Mrs. Shashikala S V
Professor

Chief Editors

Dr. B K Raghavendra, Professor & Head
Dr. Ravi Kumar G K, Professor & Head (R&D)

Faculty Coordinators

Mrs. Niveditha N M, Assistant Professor
Mr. Siddhartha B S, Assistant Professor

Student Coordinators:

Nivedha P S, 8th CSE | **Ankitha M**, 8th ISE

INAUGURATION OF BOT LAB

Inauguration of BOT LAB and Centre of Excellence (Robotic Process Automation) in association with Automation Anywhere on 21st June 2019.



INAUGURATION OF ACU-KSCST IP CELL

Inauguration of ACU-KSCST IP Cell on 21st June 2019. Delegates present were Mr.Hemanth Kumar & Mr.Vivek Anand Sagar, IPR Consultants and IP Attorney, Patent Information Centre, IISc, Bangalore.



Alumni Meet - 2019

Alumni Meet-BGSIT Punarsangama-2019 was held on 24th July 2019.



Alumni of CSE & ISE Department Invited Principal to Inaugurate Startup Named "Datablocks Solutions".



INDUCTION PROGRAM-2019

BGS Institute of Technology, BG Nagara, has Organized 'Induction Program' for 1st Year Students on 5th August 2019 at BGSIT Seminar Hall. Dr. T Mahadevaiah, Vice Principal & HoD of Civil Department, Mr. Amith from Zestech & HoD's were present.



BGSIT has organized 'Induction training Program' for 1st Year Engineering Students on 6th August 2019 at BGSIT Seminar Hall. Prof. M Krishnegowda, Prof & HoD, Dept of Kannada, St. Philomena College, Mysore and Sri Chethan Ram, Dean and Managing Trustee, Parivartana School, Mysuru were the resource persons.



Teachers Day - 5th September 2019



Ganesh Festival-2019



Industry Visit (Infosys) of Final year CSE & ISE - BE Students

The Students of 7th semester along with staff visited the Infosys Campus, Mysuru on 30.08.2019. Our Alumni students Miss. Radhika K R and Mr. Deepak B S working as Member Generic Track, ETA Infosys, Mysuru gave a presentation about the campus and also told how to prepare for campus drive. Around 100 students of CSE & ISE along with staff Prof. Shashikala S V, Mr. Prasanna kumar M J, Miss. Namitha A R and Mr. Sunil kumar B R visited the campus.



MAKERSPACE (Hackathon)

The Students of 7th semester along with staff visited the Infosys Campus, Mysuru on 30.08.2019. Our Alumni students Miss. Radhika K R and Mr. Deepak B S working as Member Generic Track, ETA Infosys, Mysuru gave a presentation about the campus and also told how to prepare for campus drive. Around 100 students of CSE & ISE along with staff Prof. Shashikala S V, Mr. Prasanna kumar M J, Miss. Namitha A R and Mr. Sunil kumar B R visited the campus.

Team Name: JARVIS	Team Name: INTELLIGENTPATAP
Team Mentor: Sunil Kumar B R Asst. Professor, Dept., of CSE,BGSIT	Team Mentor: Siddhartha B S Asst. Professor, Dept., of CSE, BGSIT
Team Members: Harsha Gowda S, Mahendra Kumar B M, Lakshmikanth Gowda M, Sanjana Gowda NC and Punith Gowda V	Team Members: Abhilash K Biradar, Archana S, Tejashree N H, Prajwal R and Priyanka C

The students along with the mentors participated in Markerspace (Hackathon)-coding event organized by Infosys Mysuru on 7th and 8th September 2019 and secured 8th place out of 30 teams



BLOCK CHAIN HACKATHON

Our CSE students have participated in the Blockchain Hackathon held on 20th and 21st Sept 2019 organized by the Junicubator, Jain University & IBM Nextgrids at Junicubator, Bengaluru.

Sl. No.	Team Name	Team Members			
1	Tech Tycoons	Akanksha. K.P	Anupama. A.M	Jeevan	Samarth.G. S
2	Innovators	Bhavani.N. D	Deekshitha.C	Bhavan.A. J	Suhaas.V
3	Jarvis	Maanya. K. V	Sanjana Gowda. N.C	Lakshmikanth Gowda .M	Harish Gowda
4	Beta	Abhshek Urs.C. J	Deepika. A. N	Ajay. S	Athfia Farheen. N
5	Maverick	Soumya Jakkula	Divya Khyani	Rohit Kumar Jha	



BGSIT team - Attended RPA Trainers Training at Automation Anywhere office

Cognitive RPA - The Future of Automation: NASSCOM report titled 'Cognitive RPA – The Future of Automation' highlights the state of Robotic Process Automation and how it would evolve with advancements in cognitive technologies. The report covers trends and drivers that are shaping-up RPA growth, and highlights use cases of RPA across various business functions and sectors. The training was attended by of Research Head Dr. G K Ravikumar.



National Level Coding Competition- CODE IGNITER-2019

4th National Level Coding Competition – CODE IGNITER-2019 was conducted at GSSS Institute of Engineering and Technology for Women in association with CSI Bangalore and Mysore Chapter. 3rd Semester CSE/ISE students Punith GowdaV, Nidhi Jaikumar, PriyankaV, Devanga Dharani have won 1st place in National Level Coding Competition.



GRADUATION DAY-2019

Graduation Day for 2019 batch students was held on 11.10.2019. His Holiness Jagadguru Sri Sri Sri Dr. Nirmalanandanatha Mahaswamiji, Pontiff, Sri Adichunchanagiri Mahasamstana Math gave benediction to the graduates. Sri Rathan Rao Pathur, Chief Technology Officer, Tayana Software Pvt. Ltd., Bengaluru delivered the graduation day speech. Sri D Devaraj Trustee, Sri Adichunchanagiri Shikshana Trust, Dr. S Chandrashekara Shetty, Vice Chancellor, Adichunchanagiri University(ACU), BG Nagara, Prof K Byrappa, Pro Vice Chancellor, ACU, Dr. Subbaraya C K, Registrar, ACU, Dr. B K Narendra, Principal, BGSIT, Mr. Umesh, Finance officer, ACU, constituent college Principals, HODs, faculties, Students and Parents attended the program.



Workshop on Fundamental Programming on "Artificial Intelligence"

Department of CSE & ISE Conducting 5 days workshop on "Fundamental Programming on Artificial Intelligence" in Association with Computer Society of India and Clear Basics at BGSIT on 8th November 2019. Resource person was Mr. Ashwath Purushotham, Senior Engineer, JC Penney, Bengaluru. The workshop includes hands-on session to the students on AI. Faculties, 3rd and 4th Year Computer Science and Information Science Engineering students were present.



Technical Talk on "Recent Trends in Computer Networking"

Department of CSE and ISE organized Technical Talk on "Recent Trends in Computer Networking" at BGS Computer Science seminar hall on 12th November 2019. Resource person was Prof Dr.Yuvaraj BN, Professor, Dept of CSE, NIE, Mysore. He gave several ideas to the students about the recent trends in CN. Faculties and students from Computer Science and Information Science Engineering were present.



Technical Talk on "Recent Trends in WSN & Smart Network"

Department of Computer Science Engineering Conducted Technical Talk on "Recent Trends in WSN & Smart Network" at BGS seminar hall on 13th November 2019. Resource person was Dr. Shiva Murthy G, Associate Professor, Dept of MCA/CSE, VTU Center for PG Students, Bengaluru. He explained new trends in wireless network & Smart networks. Faculty and students from CSE and ISE were present.



Ph.D VIVA VOCE

- Mrs. Bindiya M.K, Research Scholar bearing the USN 4BW14PEM02 has completed her defence on 23.11.2019. The Research topic was "A Novel Approach for Personalize Big Data Security System using Soft Computing Methods" under the guidance of Dr. G K Ravikumar.
- Mrs. Pavithra Bai, Research Scholar bearing the USN 4BW14PEM03 has completed her defence on 25.11.2019. The Research topic was, "Optimization of Frequent Item Set Mining for Big Data Streams on Retail Domain" under the guidance of Dr. G K Ravikumar.



PUBLICATIONS BY FACULTY

No	Name of the Author (s)	Title of the Article	Journal	Publishing Month / Year	Category (National / International)
1	Dr. Ravikumar G K	Fraud detection using Support vector machine	IJMTE Journal	Mar 2019	International
2	Siddartha B K Dr. Ravikumar G K	A Novel Data Masking Techniques To Secure Healthcare Data	International Journal For Technological Research In Engineering	May 2019	International
3	Dr. Ravikumar G K Manu Y M	Cyber bullying Detection Primarily based on Semantic-Greater Marginalized De-noising Automobile-Encoder	International Journal of Research In Electronics And Computer Engineering (IJRECE),	July 2019	International
4	Dr. Ravikumar G K	Energy efficient clustering method for wireless sensor network	Indonesian Journal of Electrical Engineering and Computer Science	May 2019	International
5	Dr. Ravikumar G K	Secure And Efficient Cluster Based Routing Model For Wireless Sensor Network	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	Sep 2019	International
6	Dr. Ravikumar G K KShashikala SV	Design and development of efficient Multipath TCP for data center in Public Cloud	IJRTE	Nov 2019	International
7	Siddartha B K Dr. Ravikumar G K	An efficient data masking for securing medical data using DNA encoding and chaotic system	International Journal of Electrical and Computer Engineering (IJECE)	Dec 2019	International
8	Dr. B K Raghavendra	Big Data Performance Evaluation of Map-Reduce Pig and Hive	International Journal of Engineering and Advanced Technology (IJEAT),	Aug 2019	International
9	Manjunath H R	A novel approach for disease prediction over big data from health communities using machine learning	IJER	2019	International
10	Manjunath H R	Face recognition based attendance monitoring using Haar-cascade classifier	IJER	2019	International
11	Swetha K R Tanuja	Practical Online Helpdesk for the Facilities in the Campus	International Journal for Innovative Research in Science & Technology	Dec 2019	International
12	Prasanna Kumar M J	Fuzzy Logic Support for Traffic Control System	IJMR	April 2019	International

13	Prasanna Kumar M J	Providing Security to the MANET Using Routing Method "SUPERMAN"	IJRSET	Dec 2019	International
14	Manu Y M	A Data Mining Based Model for Identifying of Spurious Behaviour in water utilization	International Journal of Engineering Research & Technology (IJERT)	2019	International
15	Manu Y M	Approaches for Quality- Aware Video Content Analytics	International Journal for Technological Research in Engineering (IJTRE)	2019	International
16	Manu Y M	An Approach for Big Data Security Based on Hadoop Distributed File System	Elsevier Ssrn Digital Library	2019	International
17	Divya B M	Medicine data abstraction using image processing	ICRITCSA	2019	International
18	Divya B M	Problem of Human Sensibility in Medical Management	IJRASET	2019	International
19	Arpitha K Siddhartha B S Sunil Kumar B R Shwetha S N	Routing Protocol using Fuzzy Logic for Vehicular AdHoc Networks	International Journal of Recent Technology and Engineering (IJRTE)	July 2019	International
20	Nethravathi H M	A Study of an Efficient Hybrid Image compression Algorithm Using DWT	International Journal of Engineering Research & Technology (IJERT)	2019	International
21	Nethravathi H M	Blockchain Technology and its Applications:A review	International Journal of Engineering Research & Technology (IJERT)	2019	International
22	Sahana D Gowda Niveditha N M Amulya M P Namitha A R	Machine Learning for Agri-Business using GIS	IJRTE	July 2019	International
23	Namitha A R	Application-aware big data deduplication in cloud environment	IJTRE	May 2019	International
24	Namitha A R	Point of interest recommendation for location based social networks	IJTRE	May 2019	International
25	Siddhartha B S, Divakar M N	Routing Protocol using Fuzzy Logic for Vehicular Ad-Hoc Networks	International Journal of Recent Technology and Engineering (IJRTE) – Elsevier Scopus	July 2019	International

EVENTS PARTICIPATED BY STUDENTS

NAME	USN	DATE	TYPE OF THE EVENT	NAME OF THE EVENT	PLACE
CHAITHRA R	4BW17CS017	9/8/2019	Workshop	One day workshop on DBMS	Techfortune technology (Banglore)
CHAITHRA R	4BW17CS017	9/8/2019	Workshop	Workshop on DBMS	Tech fortune technologies (Banglore)
DIVYA KHYANI	4BW17CS022	9/28/2019	Online Certification Course	Nptel -IIT Kharagpur	Online
DIVYA KHYANI	4BW17CS022	8/3/2019	Online Certification Course	Java Tutorial-Solo Learn	Online
DIVYA KHYANI	4BW17CS022	8/2/2019	Online Certification Course	Css Course -Solo Learn	Online
DIVYA KHYANI	4BW17CS022	7/26/2019	Online Certification Course	Html Course -Solo Learn	Online
DIVYA KHYANI	4BW17CS022	7/22/2019	Online Certification Course	Python 3 Tutorial-Solo Learn	Online
CHAITHRA R	4BW17CS017	10/4/2019	Hackathon	Hackintosh-evo(food technology web development)	Rajive institute of technology
RAKSHITHA N	4BW17CS053	10/4/2019	Hackathon	Hackintosh-Evo, workshop on DBMS, online quizzes	Hassan, Banglore
DIVYA KHYANI	4BW17CS022	9/20/2019	Hackathon	National Level Blockchain Hackathon	Jain university, JP Nagar, Bangalore
CHAITHRA R	4BW17CS017	4/30/2019	Hackathon	12 Hour Colligate Coding Compy	BGS institute of technology
DIVYA KHYANI	4BW17CS022	4/30/2019	Hackathon	Hackinit 2019	BGSIT
CHAITHRA R	4BW17CS017	4/30/2019	Hackathon	Hackinit 2019	BGSIT

TOPPERS OF 2019-20 ODD SEMESTER

3rd Semester CSE Toppers



SINCHANA T.S.
[18CSE078]



NISARGA C.E.
[18CSE050]

3rd Semester ISE Toppers



VANDANA
[18ISE044]



ZEENATH
[18ISE049]

5th Semester CSE Toppers



SANJANA GOWDA N.C.
[4BW17CS059]



DEEPIKA A N
[4BW17CS021]

5th Semester ISE Toppers



RESHMA M.S.
[4BW17IS028]



SOWMYA N
[4BW17IS036]

7th Semester CSE Toppers



PRATHIBHA B K
[4BW16CS051]



INCHARA K S
[4BW16CS029]

7th Semester ISE Toppers



YASHASWINI S.N.
[4BW16IS053]



ANKITHA M
[4BW16IS003]



BEST TEACHER-2019

DEPARTMENT OF CSE & ISE



DIVYA B M



NETHRAVATHI H M



NAMITHA A R



NIVEDITHA N M



MANU Y M

