| | Jai Sri Gurudev | |

Sri Adichunchanagiri Shikshana Trust (R.)

# B.G.S. INSTITUTE OF TECHNOLOGY

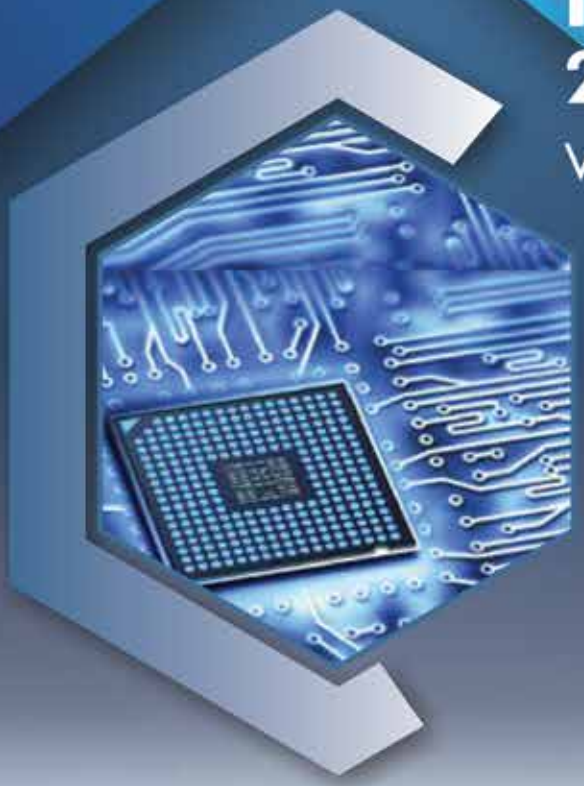
Department of
Electronics & Communication
Engineering

# SAMVAHANA

## News Letter

2021-2022

VOLUME 6 ISSUE 1



His Holiness Padmabhushana
**Sri Sri Sri Dr. Balagangadharanatha Mahaswamiji**

His Holiness
**Sri Sri Sri Dr. Nirmalanandanatha Mahaswamiji**
Present Pontiff
Sri Adichunchanagiri Mahasamsthana Math

## VISION

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

## MISSION

1. Imparting quality technical education by nurturing a conducive learning environment.

2. Offering professional training to meet industry requirements.

3. Providing education with a moral - cultural base and spiritual touch.

## Principal Message:

I am very happy to know that the Department of E&CE bringing magazine. Many events take place in an engineering college during the semester that goes unnoticed by those not directly involved. This magazine lets everyone in college know about the activities. This is an easy and accurate way of recording important events that have been conducted in college and this information can be used for the purpose of NAAC, NBA or other accreditation process. It is also a platform which helps at disseminating the information to all the Stakeholders i.e., Parents, students, Teachers, Industrialists & public at large. The placement activities have been the highlight of BGSIT, with over 50+ reputed companies from different fields of engineering & Management visiting the campus & as many as 356+ offers being received by our students.

Thanks & Best Wishes to the Editorial committee for having brought out this Departmental magazine out their Departmental magazine.

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## HOD'S Message

As head of the department, I would like to congratulate the coordinators for bringing this issue of the departmental magazine. The Electronics and Communications Engineering department strives for academic excellence through experienced and dedicated faculty.

In this context, the department magazine becomes a platform to create an atmosphere that promotes creativity and innovation in all the areas of electronic and communication engineering. Personally, I believe that this magazine is a platform for every member in the department both faculties and students in order to create, share, and use new knowledge. With this message I wish the coordinators all the best for their future projects. Let this be a platform to explore new trends and gain new ideas.

## DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

### VISION

To develop high quality engineers with technical knowledge, skills and ethics in the area of Electronics and Communication Engineering to meet industrial and societal needs.

### MISSION

1. To provide high quality technical education with up-to-date infrastructure and trained human resources to deliver the curriculum effectively in order to impart technical knowledge and skills.

2. To train the students with entrepreneurship qualities, multidisciplinary knowledge and latest skill sets as required for industry, competitive examinations, higher studies and research activities.

3. To mould the students into professionally-ethical and socially-responsible engineers of high character, team spirit and leadership qualities.

### Program Educational Objectives (PEO's)

After 3 to 5 years of graduation, the graduates of Electronics and Communication Engineering will –

1. Engage in industrial, teaching or any technical profession and pursue higher studies and research.
2. Apply the knowledge of Mathematics, Science as well as Electronics and Communication Engineering to solve social engineering problems.
3. Understand, Analyze, Design and Create novel products and solutions.
4. Display professional and leadership qualities, communication skills, team spirit, multidisciplinary traits and lifelong learning aptitude.

### Program Specific Outcomes (PSO's)

1. To apply the knowledge of Electronics and Communication Engineering as well as automation tools to create electronic circuits, systems and solutions.
2. To collaborate effectively with Electronics and Information Technology industries through internship, induction, technical seminar, technical project, research, product design and development, industrial visit, staff training in order to provide the actual industrial exposure to students and faculties.

## 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.

# TOPPERS of EVEN SEMESTER

## 2ND SEM TOPPERS

**BHOOMIKA K S**
USN:20ECE013
SGPA:9.8

**BINDU V R**
USN:20ECE014
SGPA:9.7

**HEMASHREE**
USN:20ECE038
SGPA:9.6

## 4th SEM TOPPERS

**GAGAN L D**
USN:19ECE032
SGPA:10

**JAYANTH M R**
USN:19ECE040
SGPA:10

**PREETHI L**
USN:19ECE080
SGPA:10

## 6TH SEM TOPPERS

**YASHWANTHGOWDA P**
USN:18ECE117
SGPA:9.20

**SHALINI R**
USN:18ECE050
SGPA:9.12

**SHWETHA A S**
USN:18ECE106
SGPA:9.00

## 8TH SEM TOPPERS

**SUMANTH N S**
USN:4BW17EC095
599 / 800

**ANKITHA ADI GOWDA**
USN:4BW17EC007
595 / 800

**BHAGYALAKSHMI H S R**
USN:4BW17EC014
592 / 800

## DEPARTMENT EVENTS
## Exhibition/ Industrial Visit to Electronica India-2021

The Department of ECE organized an industrial visit for one-day visit to Electronica India-2021at **BIEC, Bengaluru,** India. This visit was organized on 18th December 2021 for 3rd year ECE students. A total of 113 students visited the Centre.

The Department of ECE organized an industrial visit for one-day visit to Electronica India-2021at BIEC, Bengaluru, India. This visit was organized on 18th December 2021 for 3rd year ECEstudents.A total of 113 students visited the Centre.

We are gladly & thankful to Principal, Dr. B. K Narendra and Head of the Department Dr. M. B. Anandaraju. Faculty members thank Urmi Kothari of Messe Muenchen India for registration process to visit and sharing information about Electronica India-2021.

The One-day visit was organized with prior registration from Electronica India-2021. The sessions conducted were very educational and gave the students the exposure as to how the industry and the commercial sector and market works. The students were benefitedwiththenewtechnologiesby1000+Product on display, and Conference on various topics related to electronic

Manufacturing and bonding solutions industries. parallelly, IPCAExpo, LASER World of PHOTONICS INDIA, Mat Dispens, productronica India, Smart Cards Expo.

This educational trip was very informative and gave the students a feel of the exhibition on laser and electronic products. Faculty members coordinated the visit. The students enjoyed the visit to exhibition immensely.

The purpose of the Industrial Training is to provide exposure for the students on practical engineering fields. Through this exposure, students will have better understanding of engineering practice in general and sense of frequent and possible problems. This training is part of the learning process. To fulfill the academic requirement, our university is trying to bridge the gap between classroom teaching and industry requirement. It was real helpful for students to get corporate exposure and professional experience in both manufacturing and service sector of core industry.

So, the exposure that uplifts the knowledge and experience of a student needs to be properly documented in the form of a report. Through this report, the experience gain can be delivered to their peers. A properly prepared report can facilitate the presentation of the practical experience in an orderly, precise and interesting manner.

## Visit to Vishwa shanthi ashrama:

On 18th December 2021 Department had organized a visit to Vishwa Shanthi Ashrama at Arshinakunte, Nelamangala for 5th Semester students.

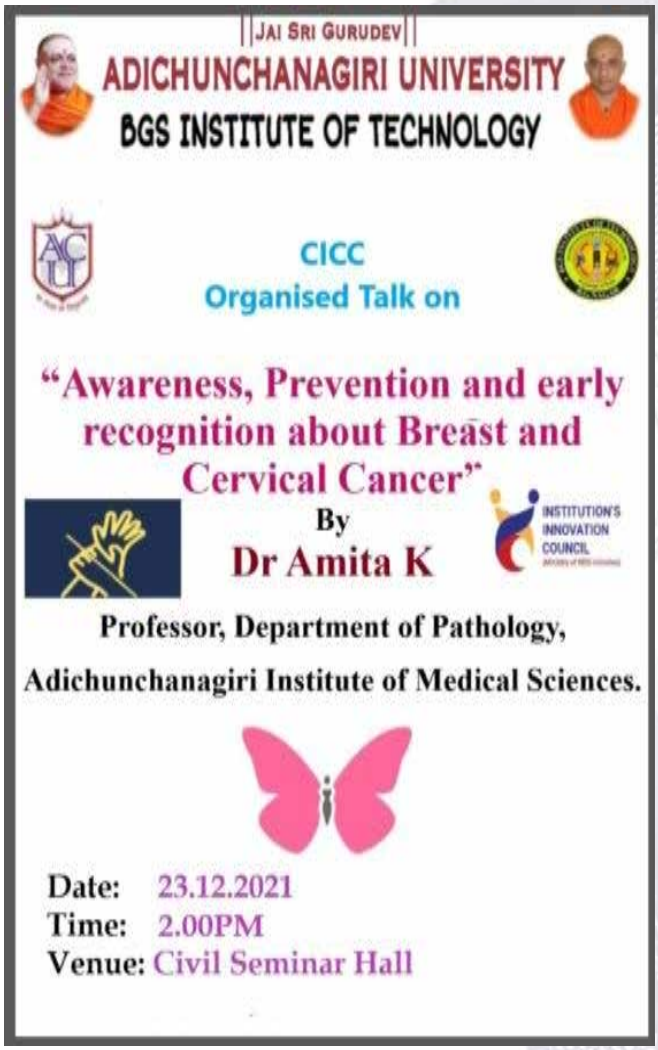
Students of ECE 5th semester visited the Vishwa Shanti Ashram in Arasinakunte village on Bangalore–Tumkur highway established in the year 1982 to promote international peace and understanding. The Vishwa Shanthi Ashram is spread over 15 acres of land andhouses some beautifully designed temples. Students who visited ashram got a spiritual knowledge; especially learnt about the Mahabharatha where Lord Shri Krishna took his supreme form as Vishwaroopa to guide Arjuna in the battle and the same is written as “Bhagavadgita” where lord himself has explained the purpose of human life. Student learnt about Saptharishi’s (seven sages) – that they represent seven stars representing seven rishis, namely “Vashistha”, “Marichi”, “Pulastya”, “Pulaha”, “Atri”, “Angiras” and “Kratu”. They also learnt about life savior rivers of India namely – Ganga, Yamuna, Brahmaputra, Narmada, Kaveri, Godavari, Krishna.

## ITS SMART IDEATHON NATIONAL LEVEL IDEA PITCH FEST 2021

Students of 5th Semester BE (ECE) participated in **"Smart Ideathon National Level Idea Pitch Fest 2021"** a flagship event presented by IEEE – Information Theory Society Bangalore Chapter at Maharaja Institute of Technology on 28th November 2021.

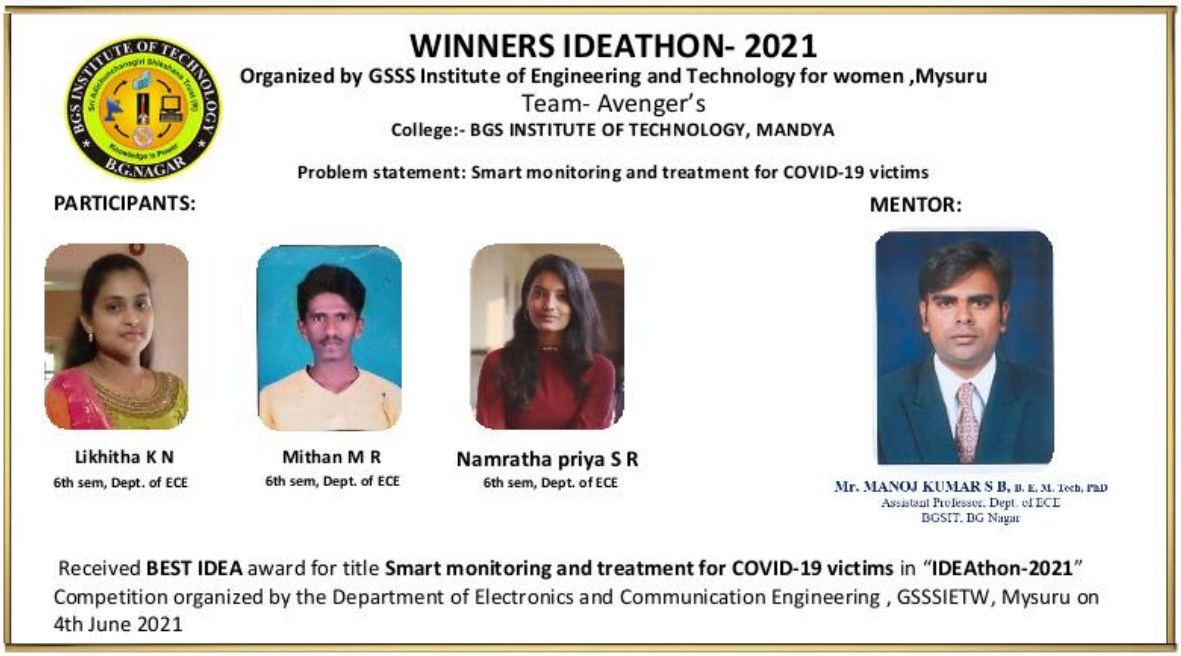
## A TALK ON "AWARENESS, PREVENTION AND EARLY RECOGNITION ABOUT BREAST AND CERVICAL CANCER"

**Dr. Amita K, Professor,** Department of Pathology, AIMS, B G Nagara – gave an awareness programme on "Breast and Cervical Cancer along with its early detection and prevention" on 23rdDecember 2021 at Civil Seminar Hall, BGSIT. All the women staffs & students witnessed the programme and Prof. Shashikala S V felicitated the Dr. Amita K during the valedictory.



## IDEATHON-2021

On 4th June 2021, 6th semester students team **"AVENGER'S"** comprising of – Mithan M R, Likhitha K N and Namratha Priya S R proposed the idea of "Smart monitoring and treatment for COVID-19 victims" at **"IDEATHON-2021"** organized by Department of Electronics and Communication Engineering, GSSS Institute of Engineering and Technology for Women, Mysuru. The team received **"BEST IDEA AWARD"** for their idea entitled "Smart monitoring and treatment for COVID-19 victims" at **"IDEATHON-2021"**.




## ETHNIC DAY CELEBRATION

On 23rd December2021, 7th Semester BE (ECE) Students and Staffs wore traditional attires and participated in "**SAMSKARAM–ENTHNIC DAY, 2021**".

## AATA-SPORTS DAY 2022

Our Students were winners in Kho-Kho and Runners in Kabaddi and Volley ball in the annual sports – AATA 2022, for the academic year 2021-22.

## TREASURE HUNT 2021

Students of 5th & 7th Semester BE (ECE) participated in **"TREASURE HUNT 2021"**An event organized by Mrs. Ramya K and Ms. Nischitha S, Assistant Professor, Department of Electronics and Communication Engineering, BGSIT on 19th November 2021.

## FOOD FESTIVAL 2021

On 17th November 2021, 5th& 7th Semester BE (ECE) Students participated in **"Paakashala –Food Festival, 2021"** which provides a common platform for students to interact and enjoy with their faculty members and by tasting wide varieties of Indo - Chinese cuisines. The Food Festival was celebrated in the Open Air Auditorium, Department of Mechanical Engineering, BGSIT, BG Nagara.

## FRESHER'S DAY 2021

Students of 5th Semester BE (ECE) organized **"FRESHER'S DAY - 2021"**for 3rd semester BE (ECE) students at Seminar Hall, Department of Electronics and Communication Engineering, BGSIT on 24th December 2021. The highlight of the event were cultural performances given by 5th semester students and games for the 3rd semester students were really exciting and finally dancing to the beat of music, which was later followed by having high tea.

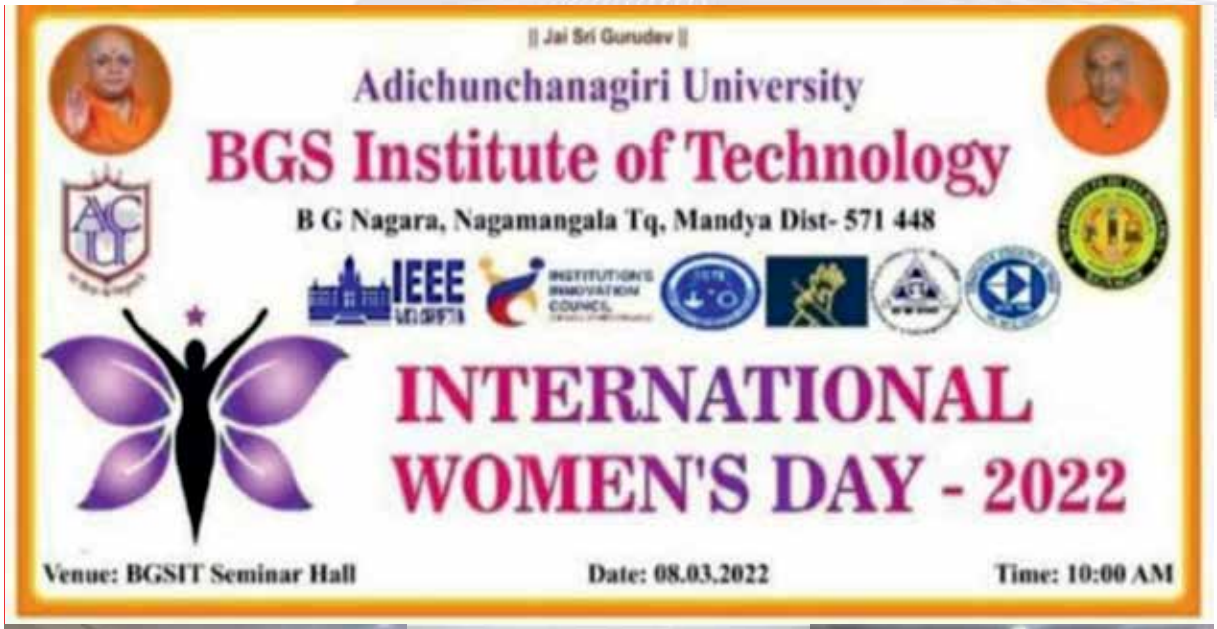
## QUIZ "CHALLENGE ON ELECTRONICS" - 2021

Students of 3rd & 5th Semester BE (ECE) participated in **"QUIZ –CHALLENGE ON ELECTRONICS - 2021",** an event organized by Innovation and Science Club, Department of Electronics and Communication Engineering, BGSIT on 12th November 2021. Nearly 20 teams of 3rd & 5th Semester BE (ECE) students participated in quiz competition.

Presence of Dr. M B Anandaraju, Dr. K N Muralidhara and other dignitaries glorified the event. The students of both 2nd and 3rd year of 48 teams participated as 100 members along student's coordinators of final year of ECE. The Technical Quiz consisted of 2 rounds and round-1 answers are evaluated by our teaching faculties and selected top-5 teams for round-2. Finally, in round-2 best-two teams got prize.

## INTERNATIONAL WOMENS DAY - 2022

On 08th March 2022, **"International Women's Day –2022"** organized at Seminar hall, BGS Institute of Technology which provided a common platform for students and women staffs to interact with women achievers from various fields of academia and industry. The women achievers are - Mrs. Vidushi K S Ambale Rajeshwari, Bharathanatyam Dancer, Mrs. Shankaramma, Folk Singer, Mrs. M. Mamatha, Head Mistress, Education Field, Dr. G. Vijayalakshmi, First women PhD holder from Tirupathi University, Mrs. Divya Balaji, Young Woman Entrepreneur, Mrs. Veena Basavaraju, CEO, Zestech Pvt. Ltd.



## INTERNATIONAL MOTHER's DAY – 2022

On 09th May 2022, **"International Mother's Day –2022"** organized at Seminar hall, BGS Institute of Technology which provided a common platform for students and staffs to participate and talk about mother and motherhood and various competition were also held on the theme "Mother" like Essay writing, Poetry, Sketching, Painting and Singing etc.,

# PUBLICATIONS

**||Jai Sri Gurudev||**

Adichuchanagiri University

BGS Institute of Technology

**Publication Consists ( Journal Publications,Articles,Book Chapters,National and International Conference Proceedings ) January 2020-till Date**

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| 43 | Dr Manojkumar S B<br>BGS Institute of Technology,<br>BG Nagar,<br>E-mail:manojkumarsb@bgsit.ac.in | Real Time Blood Oxygen Saturation Analytics for Pandemic | International Research Journal of Engineering and Technology , Volume 8, issue 5 | 2021 |
| 44 | Mr. K Prabhavathi<br>BGS Institute of Technology,<br>BG Nagar,<br>E-mail:prabhavathik@bgsit.ac.in | Detection of Arrhythmia using ECG<br>and Machine learning | Design Engineering | 2021 |
| 45 | Mrs. Kavitha B C<br>BGS Institute of Technology,<br>BG Nagar,<br>E-Mail: kavithabc@bgsit.ac.in | Investigation on Image Processing Techniques for Lung Cancer Detection | Design Engineering | 2021 |
| 46 | Mr. Shalini K J BGS Institute of Technology, BG Nagar, E-mail:shainikhj@gmail.com | Detection of Arrhythmia using ECG<br>and Machine learning | Scopus | 2021 |
| 47 | Mr. Balaji B S<br>BGS Institute of Technology,<br>BG Nagar,<br>E-mail:balajibs@bgsit.ac.in | Detection of Arrhythmia using ECG<br>and Machine learning | Design Engineering<br>Issue: 5 \| Pages: 2616- 2625 | 2021 |
| 48 | Mr. Sandeep S V<br>BGS Institute of Technology,<br>BG Nagar,<br>E-mail:sandeepsv@bgsit.ac.in | Computerized or Automated object recognition and analysis of pattern matching in runways using surface track data | Journal of University of Shanghai for Science and Technology (JUSST) Volume 23 Issue 11 | 2021 |
| 49 | Mrs Kokila K S BGS Institute of Technology B G Nagara E-mail:kskokilagowda@gmail.com | Quik Witted Device for Detecting Variations in the heart rate using Besselworth Filter | Design Engineering | 2021 |
| 50 | Mrs Anusha M N BGS Institute of Technology B G Nagara E-mail:anumanu23@gmail.com | Quik Witted Device for Detecting Variations in the heart rate using Besselworth Filter | Design Engineering | 2021 |
| 51 | Mrs. Anusha M N BGS Institute of Technology B G Nagara E-mail:anushamn23@gmail.com | Non-Invasive Wearable Glucose Level Monitoring Phenomena During Covid-19 Pandemic | Journal of Emerging Technologies and Innovative Research(JETIR) Volume 8 | July 2021 |
| 52 | Mrs Prafulla P S BGS Institute of Technology B G Nagara E-mail:prafullaps23@gmail.com | Quik Witted Device for Detecting Variations in the heart rate using Besselworth Filter | Design Engineering | 2021 |
| 53 | Mrs Prafulla P S BGS Institute of Technology B G Nagara E-mail:prafullaps23@gmail.com | Mango leaf deficiency detection using Difital image processing and machine learning | Journal of Emerging Technologies and Innovative Research(JETIR) Volume 8 | July 2021 |
| 54 | Mrs. Nischitha S<br>Assistant Professor<br>Dept of Electronics and Communication Engg, BGSIT BG Nagara<br>Email: nischithas@bgsit.ac.in | Detection of Arrhythmia using ECG | Design Engineering | 2021 |
| 55 | Mrs.Nischitha S<br>Assistant Professor<br>Dept of Electronics and Communication Engg, BGSIT BG Nagara<br>Email: nischithas@bgsit.ac.in | Search Algorithm for Kannada Handwritten Characters | International Journal of Advanced Research in Computer and Communication Engineering | 2021 |
| 56 | Mr. Goutham V<br>BGS Institute of Technology<br>B G Nagara<br>gouthamv@bgsit.ac.in | Simplified Agrirobot For Modern Agricultural<br>Techniques Using Iot | International Conference on Mobile Networks and Wireless Communications ICMNWC - 2021, | 2021 |
| 57 | Mr. Goutham V<br>BGS Institute of Technology<br>B G Nagara<br>gouthamv@bgsit.ac.in | SelGOR in Wireless Sensor Networks for IoT against Daniel of Service | International Research Journal of Engineering and Technology (IRJET),<br>Volume: 08 Issue: 03 \| Mar 2021 | 2021 |
| 58 | Mr. Goutham V<br>BGS Institute of Technology<br>B G Nagara<br>gouthamv@bgsit.ac.in | Development of unmanned autonomous robotic sailing boat | UGC-CARE Group-2, GIS SCIENCE JOURNAL | 2022 |

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|---|---|---|---|---|
| 59 | Mr. Goutham V<br>BGS Institute of Technology<br>B G Nagara<br>gouthamv@bgsit.ac.in | A review on detection of vein pattern in human body for the medical applications | Springer Lecture Notes on Network and Systems | 2022 |
| 60 | Mr. Goutham V<br>BGS Institute of Technology<br>B G Nagara<br>gouthamv@bgsit.ac.in | Nursery Monitoring System using IoT | International Journal of Scientific Research in Science Engineering and Technology | 2022 |
| 61 | Ms. Lakshmi D L<br>BGS Institute of Technology<br>lakshmidl@bgsit.ac.in | Live Lecture Capture Solution – Advanced Teaching And Learning Technique | International Research Journal of Engineering and Technology (IRJET)<br>Volume: 07 Issue: 09 \| Sep 2020 | 2020 |
| 62 | Ms. Lakshmi D L<br>BGS Institute of Technology<br>BG Nagara<br>Email: lakshmidl@bgsit.ac.in | Learning Management System (LMS):<br>A Digital Platform for E-Learning | International Journal of Innovative Research in Computer and Communication Engineering, Volume 8, Issue 11, November 2020 | 2020 |
| 63 | Ms. Lakshmi D L<br>BGS Institute of Technology<br>BG Nagara<br>Email: lakshmidl@bgsit.ac.in | Pressure Sensor Based on Two-Dimensional Photonic-Crystal<br>Ring Resonator | Springer Lecture Notes in Electrical Engineering | 2021 |
| 64 | Ms. Lakshmi D L<br>BGS Institute of Technology<br>BG Nagara<br>Email: lakshmidl@bgsit.ac.in | SelGOR in Wireless Sensor Networks for IoT against Daniel of Service | International Research Journal of Engineering and Technology (IRJET),<br>Volume: 08 Issue: 03 \| Mar 2021 | 2021 |
| 65 | Ms. Lakshmi D L<br>BGS Institute of Technology<br>BG Nagara<br>Email: lakshmidl@bgsit.ac.in | Embedded Based Heart Rate Measuring<br>Device Using Fingertip | International Journal for Research in Applied Science & Engineering Technology (IJRASET) | 2021 |
| 66 | Ms. Lakshmi D L<br>BGS Institute of Technology<br>BG Nagara<br>Email: lakshmidl@bgsit.ac.in | A review on detection of vein pattern in human body for the medical applications | Springer Lecture Notes on Network and Systems | 2022 |
| 67 | Ms. Lakshmi D L<br>BGS Institute of Technology<br>BG Nagara<br>Email: lakshmidl@bgsit.ac.in | Development of unmanned autonomous robotic sailing boat | UGC-CARE Group-2, GIS SCIENCE JOURNAL | 2022 |
| 68 | Ms. Lakshmi D L<br>BGS Institute of Technology<br>BG Nagara<br>Email: lakshmidl@bgsit.ac.in | Nursery Monitoring System using IoT | International Journal of Scientific Research in Science Engineering and Technology, Volume 9,Issue 9, January-February-2022. | 2022 |
| 69 | Ms. Lakshmi D L<br>BGS Institute of Technology<br>BG Nagara<br>Email: lakshmidl@bgsit.ac.in | IOT Based Industrial Pollution Monitoring and Controlling System | International Journal of Scientific Research inScience, Volume 9, Issue 9, January-February-2022 Engineering and Technology | 2022 |
| 70 | Mrs. Mouna K M<br>BGS Institute of Technology,<br>BG Nagar,<br>E-mail:mouna.ece2510@gmail.com | Password Authentication Provided by Three-Layer Security Using Machine Learning | International Advanced Research Journal in Science, Engineering and Technology | 2021 |
| 71 | Mrs. Mouna K M<br>BGS Institute of Technology,<br>BG Nagar,<br>E-mail:mouna.ece2510@gmail.com | Quik Witted Device for Detecting Variations in the heart rate using Besselworth Filter | Design Engineering | 2021 |
| 72 | Mr. JayanthDwijesh H P<br>BGS Institute of Technology,<br>BG Nagar,<br>E-mail:jayanthdwijeshhp@bgsit.ac.in | Computerized or Automated object recognition and analysis of pattern matching in runways using surface track data | Journal of University of Shanghai for Science and Technology (JUSST) Volume 23 Issue 11 | 2021 |
| 73 | Mrs. Rashmi S<br>BGS Institute of Technology,<br>BG Nagar,<br>E-mail:rashmis@bgsit.ac.in | Computerized or Automated object recognition and analysis of pattern matching in runways using surface track data | Journal of University of Shanghai for Science and Technology (JUSST) Volume 23 Issue 11 | 2021 |
| 74 | Mrs Nethravathi H M<br>BGS Institute of Technology,<br>BG Nagar,<br>E-mail: nethravathihm@bgsit.ac.in | "Optimal Resource Sharing amongst Device-to-Device Communication using Particle Swarm Algorithm" | | 2020 |

## PLACEMENT DETAILSOFACADEMICYEAR-2021-2022

| Sl No. | USN | Student Name | Branch | Name of the company |
|---|---|---|---|---|
| 1 | 18ECE121 | ABHILASHM L | ECE | Mphasis, Quest Global |
| 2 | 18ECE002 | AISHWARYA K S | ECE | ACCENTURE |
| 3 | 18ECE004 | AKASH H M | ECE | TCS |
| 4 | 18ECE008 | ANKITHA G R | ECE | Mphasis, WIPRO |
| 5 | 19ECE401 | ANUSHA N | ECE | Mphasis |
| 6 | 18ECE009 | ANUSHA U C | ECE | TCS |
| 7 | 18ECE011 | ARPITHAGOWDA S G | ECE | Mphasis, ATOS SYNTEL, HCL |
| 8 | 18ECE012 | ASHA H N | ECE | Mphasis |
| 9 | 18ECE014 | BHARATH D S | ECE | Mphasis, TCS, HCL |
| 10 | 18ECE015 | BHAVANI A U | ECE | ATOS SYNTEL, ACCOLITE, Tech Mahindra, NTT DATA |
| 11 | 18ECE016 | BINDU H T | ECE | Mphasis |
| 12 | 18ECE017 | CHAITHRA C K | ECE | TCS, NTT DATA |
| 13 | 18ECE018 | CHANDAN GOWDA A D | ECE | Mphasis |
| 14 | 18ECE020 | CHANDANA K N | ECE | TCS |
| 15 | 18ECE022 | CHARITH GOWDA Y C K | ECE | Mphasis |
| 16 | 18ECE024 | CHETHAN S | ECE | Mphasis, TCS, NTT DATA |
| 17 | 18ECE023 | CHETHAN N | ECE | NTTDATA |
| 18 | 18ECE025 | CHIRANJEEVI GOWDA | ECE | WIPRO, ATOS SYNTEL, TCS, HCL |
| 19 | 18ECE026 | DEEKSHITHA A R | ECE | Mphasis, NTT DATA |
| 20 | 18ECE028 | DEEPIKA M M | ECE | Mphasis |
| 21 | 18ECE029 | DEEPIKA V | ECE | TCS |
| 22 | 18ECE033 | GOWDA RUTHU SWAMY | ECE | Mphasis, ACCENTURE |
| 23 | 18ECE035 | HARISHA V R | ECE | ACCENTURE, TCS, Tech Mahindra |
| 24 | 18ECE036 | HEMANTH U | ECE | ACCENTURE, Tech Mahindra |
| 25 | 18ECE038 | JAYANTH KUMAR B V | ECE | Mphasis,ACCENTURE |
| 26 | 18ECE041 | KAVYASHREE N | ECE | Mphasis, HCL, TechMahindra, NTT DATA |
| 27 | 18ECE042 | KIRAN R | ECE | Mphasis, NTT DATA |
| 28 | 18ECE047 | LIKHITHA K N | ECE | TCS, Mphasis, ATOS SYNTEL, Tech Mahindra, NTT DATA, Infosys |
| 29 | 18ECE050 | MANASA B | ECE | ATOS SYNTEL, TCS, Mphasis |
| 30 | 18ECE051 | MEGHANA D | ECE | Mphasis |
| 31 | 18ECE052 | MITHAN M R | ECE | ATOS SYNTEL, Mphasis, Revature, HCL, Tech Mahindra |
| 32 | 18ECE053 | MOHAMMEDKHAWJA ROSHAN | ECE | Mphasis |
| 33 | 18ECE054 | MOHAN GOWDA H R | ECE | Mphasis |
| 34 | 18ECE055 | NAMRATHA PRIYA S R | ECE | ACCENTURE, WIPRO, TCS |
| 35 | 18ECE057 | NAVYA | ECE | Mphasis |

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|---|---|---|---|---|
| 36 | 18ECE059 | NIMITHA R GOWDA | ECE | Mphasis / NTT DATA |
| 37 | 18ECE060 | NISCHITHA A | ECE | TECH MAHINDRA |
| 38 | 18ECE061 | NISHANTH R | ECE | TCS / TECH MAHINDRA |
| 39 | 18ECE062 | NISHCHITHA P | ECE | Mphasis |
| 40 | 19ECE402 | NISCHITHA L R | ECE | Mphasis |
| 41 | 18ECE063 | NITHIN S | ECE | REVATURE |
| 42 | 18ECE123 | NIVEDITHAC K | ECE | Mphasis |
| 43 | 18ECE065 | PAVAN L | ECE | Mphasis |
| 44 | 18ECE066 | PAVANA R | ECE | WIPRO, NTT DATA |
| 45 | 18ECE067 | PAVANA V S | ECE | NTT DATA |
| 46 | 18ECE068 | POOJA D P | ECE | NTT DATA |
| 47 | 18ECE069 | POOJASHREE K | ECE | Mphasis |
| 48 | 18ECE070 | POORNIMA B N | ECE | Mphasis, ATOS, SYNTEL, Revature |
| 49 | 18ECE071 | PRAKRUTHI K | ECE | REVATURE, IBM |
| 50 | 18ECE072 | PRAVEEN PUNKI | ECE | REVATURE |
| 51 | 18ECE076 | PUNITH J B | ECE | JK TECH |
| 52 | 18ECE078 | RACHANA C B | ECE | Mphasis |
| 53 | 18ECE080 | RANI K P | ECE | Mphasis, NTT DATA |
| 54 | 19ECE403 | RUCHITHAV R | ECE | Mphasis |
| 55 | 19ECE404 | SAHANA S M | ECE | Mphasis, Mindtree, NTT DATA |
| 56 | 18ECE086 | SAHANA M S | ECE | Mphasis |
| 57 | 18ECE087 | SAHANA R | ECE | ATOS SYNTEL, Mphasis, JK TECH |
| 58 | 18ECE088 | SAHANA S P | ECE | ATOS SYNTEL, Mphasis, IBM, HCL |
| 59 | 18ECE089 | SANJAY H S | ECE | Mphasis |
| 60 | 18ECE090 | SANTHOSH K | ECE | Mphasis |
| 61 | 18ECE091 | SANTOSH D | ECE | NTTDATA |
| 62 | 18ECE094 | SHALINI R | ECE | TECHMAHINDRA, NTT DATA, HEXAWARE |
| 63 | 18ECE124 | SHARANYA JAIN B N | ECE | SYSCON |
| 64 | 18ECE097 | SHASHANK C L | ECE | TCS, TECHMAHINDRA |
| 65 | 18ECE098 | SHASHANK H S | ECE | Mphasis, Revature |
| 66 | 18ECE099 | SHIFA MASROOR | ECE | ATOS, SYNTEL |
| 67 | 18ECE101 | SHREYA P GOWDA | ECE | REVATURE, NTTDATA |
| 68 | 18ECE102 | SHRIKANTH M S | ECE | Mphasis |
| 69 | 18ECE103 | SHWETHA A S | ECE | NTTDATA, SYSCON |
| 70 | 18ECE105 | SUDEEP K S | ECE | TCS |
| 71 | 18ECE106 | TANYEEM ATHAR | ECE | TCS |
| 72 | 18ECE108 | VAIDESH B | ECE | TCS |
| 73 | 18ECE109 | VARSHITHA D C | ECE | Mphasis |
| 74 | 18ECE110 | VARUN KUMAR B N | ECE | REVATURE |
| 75 | 18ECE113 | VIKAS G N | ECE | JKTECH |
| 76 | 18ECE114 | VINAY C R | ECE | TCS |
| 77 | 18ECE117 | YASHWANTH GOWDA P | ECE | WIPRO, ATOS SYNTEL, Mphasis, TCS, HCL |
| 78 | 18ECE118 | YASHWANTH KUMAR S | ECE | Mphasis |
| 79 | 18ECE119 | YOGESH C | ECE | Mphasis, Revature, JK Tech |

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BG Nagara-571448

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**LIKITHA K N**

Electronics and Communication Engineering Branch, BGSIT.

**Package: 9.50 LPA**

*Best Wishes from Management, Principal and Staffs*

## Project Exhibition:

On 23rd July, 2021 Friday, Department of Electronics and Communication Engineering, BGS Institute of Technology, BG Nagara affiliated to Adichunchanagiri University organized **"Project Exhibition-2021"** in association with Innovative and Science Club, Dept. of ECE,BGSIT,IEEE,IETE, ISTE and Institution's Innovation Council.

The Project Exhibition was inaugurated by Dr. M B Anandaraju, Professor& HOD, and Dept. of ECE with the presence of Dr. Naveen KB, Associate Professor and Dept. of ECE and Project coordinator Mr. Manoj kumar S B, Assistant Professor, Dept. of ECE and all teaching and non-teaching staffs.

Both Final year and pre-final year students are participated in this event, 26 project batches were registered and exhibited their projects by enrolling in google form. 4 judges from various departments evaluated those projects and among these 4 best projects were awarded.

Dr. K N Muralidhara, Professor, Dept. of ECE, distributed prizes to the winners and e-certificates were issued to all participants.

## Workshop:

Mr. Praveen Muthigi, CEO of Riches Media Digital has a huge experience over 12 years in thefieldof Digital Marketing.

Department of Electronics and Communication Engineering organized a session on **"Entrepreneurship skill, Attitude and Behaviour Development"** in association with Entrepreneurship Development Cell - BGSIT, Institution's innovation council, IEEE Bangalore

and Mysore Subsection and IETE on 25.01.2022 -2.45PM. In this event more than 140 students and Staff members have participated.

The main motto of the session was to provide insights on Entrepreneurship activities like Attitude and Behavior Development and also to motivate students for further developments in future.

## Motivational Talk:

On20th January 2022, Department of Electronics and Communication Engineering, BGS Institute of Technology, B G Nagara affiliated to Adichunchanagiri University organized "My Story – Motivation Session by Successful Entrepreneur" by Mr. Nithin Prabhakar, founder of Mind Parkour, in association with Dept. of MBA, Entrepreneurship Development Institute of India (EDII), MoE's INNOVATION CELL and Institution's Innovation Council.

## Brief profile of PhD Awardee

**Research Scholar**

**Dr.Manojkumar S B**
Associate Professor Dept. of ECE, BGSIT,
Adichunchanagiri University
BG Nagara-571448

**Date of Registration for PhD**
**University/Branch**
**Date of Award of PhD degree**

**Title of the thesis**

**"Analysis of fundus images for early detection of Diabetic Retinopathy"**

**Guide**

**Dr. H S Sheshadri**
ProfessorDept. of ECE
PES College of Engineering
Mandya-571401

**04/06/2014**
**Mysore University/Electronics**
**06/09/2021**

Brief synopsis:

Diabetic retinopathy (DR) is a complication in the eye, that caused by damage to the blood vessel of the retina. If it is not diagnosed and treated in time, then it leads into vision impairment. Retinal fundus images are usually used to diagnose various types of eye diseases. Early detection and diagnosis of DR disease are essential to preserving the vision loss of the patients. In this research work plenty of samples are collected from the hospitals and some standard available datasets like STARE, DIARETDB, DIARETDB1, IDRiD, etc., are downloaded, used and analysed. The images collected from various sources are normally known to be as fundus image. These diabetes fundus images are extracted in order to diagnose diabetes retinopathy. The regular and abnormal images are well classified with the use of function parameters such as variance and standard deviation. The precise, sensitive and accurate criteria are employed and the seriousness of the disease is classified as early (mild and moderate) and severe. In the case of Diabetic Retinopathy, the retina is getting damaged by leaking fluids from blood vessels. Usually, Diabetic Retinopathy can be detected depending upon features like blood vessel areas, haemorrhages, microaneurysms, exudates and texture. In this work, we have discussed many algorithms like Morphological methods, LBP (Local Binary Pattern) for extraction of these features to detect stages of DR and also presented the different classifiers such as K-Means Cluster, Support Vector Machine (SVM), and Random Forest used for detecting DR.

# IEEE EVENTS

**Dr.Naveen B,** Associate professor Department Of ECE has Received "Best Branch counsellor Award BGSIT"IEEE Mysore Subsection

**Dr.Naveen K B,** Professor Department of ECE has Received "Best coordinator Award" in IEEE CAS Chapter Mysore Subsection.

**IEEE Mysore Subsection presented "Token of Appreciation" for Student Branch, Dept. ECE, BGSIT, BG Nagara.**

**IEEE Subsection presented "Certificate of Appreciation for active volunteering and active participation" to**
**Ms. BHAVANI A U,** Student, Dept. ECE, BGSIT, B G Nagara.

## Faculty Achievements

| Sl No | Name of the Faculty | MOOC Course | Topic | Course duration | Year | No. of Credits Recommended by NPTEL |
|---|---|---|---|---|---|---|
| 1 | Mrs. Shalini KJ | NPTEL | CMOS Digital VLSI design | 8 weeks | 2020-21 | 02 |
| 2 | Mrs Ramya K | NPTEL | Embedded System Design With ARM | 8 weeks | 2020-21 | 02 |
| 3 | Mr. Jayanth Dwijesh | Swayam-AICTE | NBA Accreditation and Teaching –Learning in Engineering (NATE) | 12 weeks | 2020-21 | 03 |
| 4 | Ms. Nischitha S | NPTEL | Embedded System Design With ARM | 8 weeks | 2020-21 | 02 |
| 5 | Mr. Balaji B S | NPTEL | INDUSTRY IoT 4.0 | 8 weeks | 2020-21 | 02 |
| 6 | Mr. Sandeep S V | NPTEL | INDUSTRY IoT 4.0 | 8 weeks | 2020-21 | 02 |

## Passed out Batch 2021

8th Semester 'A' Section

8th Semester'B'Section

## ADICHUNCHANAGIRI UNIVERSITY

**(Formerly BGSIT)**

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Bengaluru-Hassan National Highway (NH-75) Nagamangala Taluk,
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**CET Code : 142**