



||Jai Sri Gurudev ||

BGSKH Education Trust (R.) – A unit of Sri Adichunchanagiri Shikshana Trust (R.)

**BGS College of Engineering and Technology
(BGSCET)**

STUDENT INDUCTION PROGRAMME

PHASE-II REPORT

2023

About BGSCET



BGS College of Engineering and Technology (BGSCET), a new Engineering College with 5 market-demanding / employable / emerging (CS, IS, AI&ML, AI&DS, Design) UG courses in Engineering and Technology, established by BGSKH Education Trust(R.), A unit of Sri Adichunchanagiri Shikshana Trust(SAST) under the ambit of Sri Adichunchanagiri Mahasamsthana Math, a well-known philanthropic organization in Karnataka at CA Site no. 6 & 7, 3rd Main, Pipeline Road, 2nd Phase, 2nd Stage, Mahalakshmiipuram, West of Chord Road, Bengaluru -560 086, Karnataka, a prime location having potential aspiring candidates from surrounding areas with good connectivity. The institute has a clear vision and objective, in the quest for being an outstanding centre for learning and development of human resource, which is conducive to the fast changing national and international situations adhering to consistent policy of recruiting highly qualified teachers.SAST was established in the year 1974 with the blessings of his holiness *Bhairavaikya Paramapoojya Jagadguru Padmabhushan Sri Sri Sri Dr. Balagangadharanatha Maha Swamiji*. The Trust was started with a sole purpose of promoting education, research and service to humanity at large, having laudable motive of providing Primary and Higher Education to the rural mass to uplift the social, cultural, ethical and moral standards of the people inculcating in them the human values and spirituality.

About Director



BGSCET is the brainchild of his holiness Jagadguru Sri Sri Sri Dr. Nirmalanandanatha Maha Swamiji, President, Sri Adichunchanagiri Shikshana Trust and is driven by passionate Global Leaders, Industry & Academia Experts and Renowned Administrators. The institute has a quest for being an outstanding centre for learning and development of human resource, conducive to the fast changing national and international situations adhering to consistent policy of recruiting highly qualified teachers. BGSCET aims to impart quality technical education, undertake research and extension activities with emphasis on application and innovation that cater to the emerging societal needs through all-round development of students of all sections enabling them to be globally competitive and socially responsible citizens with core values. BGSCET with its functional infrastructure, state-of-the-art laboratories, affiliations and recognitions, networked partner industries and aspiring academically sound students, is keen to realize the vision of the Institute. It is the aspirations of faculty and management to nurture and boast of many innovators and entrepreneurs, besides producing quality engineers and technocrats for the society.

About Principal



The College is committed to impart a quality academic excellence and overall personal growth of the students. The purpose of education is to teach our students to think and develop a capacity to reason out facts and this is achieved by providing them excellent academic environment, state of-the-art infrastructure, state-of-the-art laboratories and dedicated and highly qualified faculty members with decades of teaching and industrial experience. BGSCET is challenging and yet exhilarating place to learn. We endeavour to equip our students with both Hands on technical and management skills, so that they may contribute to the industry being excellent professionals. I am proud of the exceptional body of teaching staff, engaging the students in a wide range of exciting learning opportunities. I would warmly welcome you to come and visit the college, to experience all that in BGSCET. Let us together tab the depths of the ocean and explore the universe through the Wings of Knowledge and Power of Innovation.

“We cannot always build the future for our youth, but we can build our youth for the future”. Remember “The reward of every good action will be good only”.

VISION

Creating Competent IT Professionals With Core Values For The Real World

MISSION

Providing Students with a Sound Knowledge in IT Fundamentals

Exposing Students to Emerging Frontiers in various domains of IT enabling Continuous Learning.

Promoting Excellence in Teaching, Training, Research and Consultancy.

Developing Entrepreneurial acumen to venture into Innovative areas of IT

Imparting value based Professional Education with a sense of Social Responsibility.

GOAL

To commit & strive continuously to impart Quality Education in Engineering and Technology by achieving Excellence in Teaching, Training & Research to serve Industry and Society.

Focus is to create Entrepreneurs and Technocrats

BGSCET aims to impart quality technical education, undertake research and extension activities with emphasis on application and innovation that cater to the emerging societal needs through all-round development of students of all sections enabling them to be globally competitive and socially responsible citizens with core values. The objectives of BGSCET are to provide:

1. Quality Education and Empower Students to excel in their career.
2. Modern infrastructure for holistic development of the students.
3. Good laboratories and library.
4. Placement cell to train, assist and assure jobs.
5. Counselling to benefit, co-ordinate and bring harmony on the campus

2.0 About the Induction Program

Education plays a vital role in a Country's progress. The conventional pattern of attending the classes passively and focusing on just good grades in the examinations is treated as an obsolete exercise in today's world. It is said that all human beings are endowed with unique talents and traits. The role of a teacher is to facilitate students to achieve their goals by nurturing the talents and traits hidden in them. It is believed that the inherent talent and core competency should come together to make education meaningful, holistic, productive and fulfilling. The aim of an engineering college is not just to make competent engineers, in addition to it to groom knowledgeable knowledgeable and well cultured cultured men and women, fit to radiate the fragrance of their learning among people of our Country. In this direction , Induction program is an effort for integrating new student into the Institution by giving him basic information he needs for settling down quickly and work for his academic success by adjusting his interests with those of the Institution. In this regard as per the guidelines of Visvesvaraya Technological University and AICTE, the first phase of mandatory 10 days Induction Program was conducted for second semester students of the Academic year 2023. The details of the activities conducted and out comes of the Induction program is presented in this report.

3.0 Aims and Objectives of Induction Program

- To develop a sense of aesthetics and enhance creativity among students.
- To generate favorable attitudes towards peers, senior students, teaching and non teaching staff in the Institution.
- To inculcate inculcate value systems, systems, ethics and leadership leadership qualities qualities among students.
- To promote entrepreneurial thinking among students.
- To inculcate in students effective communication skills, team work

4.0 Resource Persons for the Induction Program

Sl No	Day & Date	Resource Person	Strength of the Program
1.	25-05-2023 Thursday	Session 1: 2-4pm Introduction to Cloud computing by Mr Krishna K -Microsoft Team	315
2.	27-05-2023 Saturday	Session 1: 9-10.30am Yoga Session by Suresh Aradya	315
3.	29-05-2023 Saturday	Session 1: 2-4pm Pre placement Talk by Mr Rajesh Kumar V S	315
4.	30-05-2023 Tuesday	Session 1: 2-4pm Creating Safe Space in your Campus-Durga Associates	315
5.	31-05-2023 Wednesday	Session 1: 2-4pm Career Options for Engineers-Dr Naveen Kumar-HOD MBA BGSCET	315
6.	1-06-2023 Thursday	Session 1: 12-1pm Infosys Spring Board-Mrs Pruthvi Session 2: 2-4pm Energy Conservation and Green Buildings for Sustainability-B.E.E-Dr Varaprasad J	315
7.	2-06-2023 Thursday	Session 1: 12-1pm Moral Values and Health- Dr Neeraja N Kumar Session 2: 2-4pm Application of Data Driven methods in Detection and Isolation of wear induced faults in Industrial Robots- Dr Sathish V	315

A Report on

“Introduction to Cloud Computing”

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BGSKH Education Trust @ -
A Unit of Sri Adichunchanagiri Shikshana Trust@

**BGS College of
Engineering & Technology (BGSCET)**
Mahalakshmpuram, Bengaluru - 560086
(Affiliated to VTU - Belagavi, Approved by AICTE - New Delhi)

**CORDIAL WELCOME TO 2nd SEM
B.E Students For
STUDENT INDUCTION PROGRAM
PHASE - II**

***Technical talk
on***
**Introduction to Cloud Computing:
Microsoft Azure,
Microsoft Dynamics and
Power Platform**

Krishna Kendre
Subject Matter Expert
MICROSOFT

VENUE: AUDITORIUM HALL, BGSCET CAMPUS
DATE : 25th May, Thursday 2023
TIME: 2:00 to 4:00 PM

Dr. RAVI KUMAR G K
PRINCIPAL, BGSCET

Dr. G.T.RAJU
DIRECTOR, BGSCET

By: Management, Principal, Hod's And Staff

DAY 1 : SESSION 1

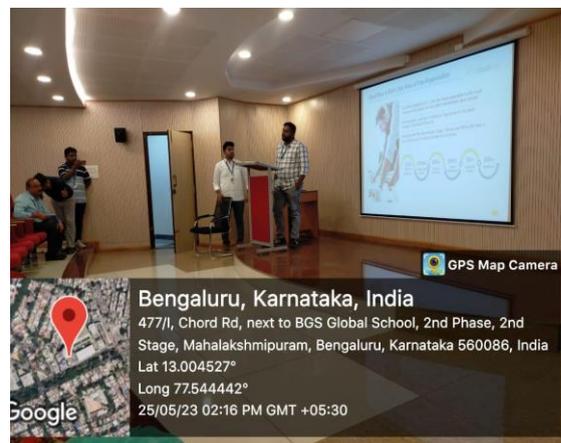
Session Name	Introduction to Cloud Computing
Resource Person	Krishna Kendre
Date	25.05.2023
Platform	Offline, Venue: BGSCET Auditorium

Trainer Name: Krishna Kendre

Designation- Subject Matter Expert

About the Resource Person:

Krishna Kendre is a Subject Matter Expert at CloudThat He is enthusiastic and holds passionate about exploring new technologies with a passion for training technology students & professionals. Krishna Holds a Master's degree in MBA Marketing, He has worked in the IoT industry for Sales & Project Management for 3 years as well as training. Trained over 100+ certified system integrators in IOT system installation & Projects. Delivered Training virtually as well as Classroom training to Professionals & student



DAY 2 : SESSION 1

A Report on “Yoga Session by Suresh Aradya”

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CORDIAL WELCOME TO 2nd SEM
B.E Students For
**STUDENT INDUCTION PROGRAM
PHASE - II
YOGA SESSION
by
Suresh Aradhya**

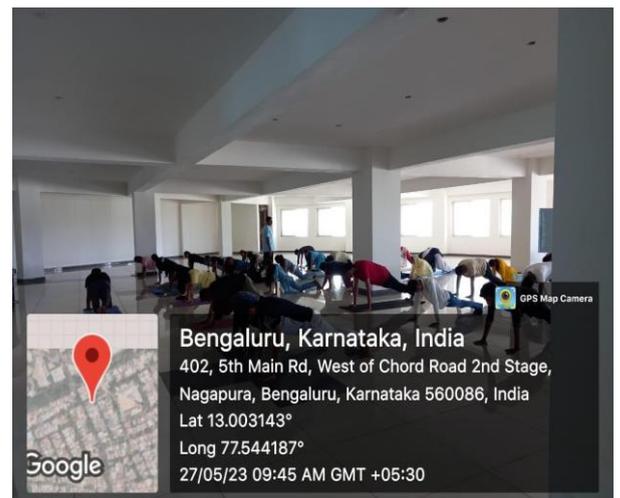
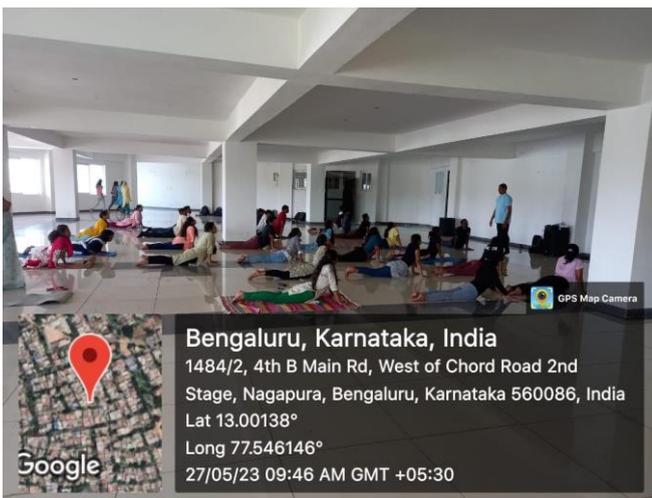
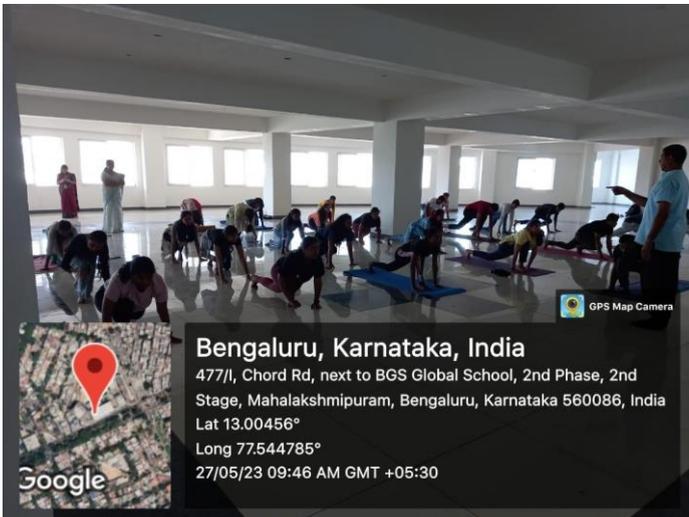


VENUE: Gallery Classroom, 2nd floor
DATE : 27th May, Saturday 2023
TIME: 9:00 to 10:30 AM

Dr. RAVI KUMAR G K
PRINCIPAL, BGSCET

Dr. G.T.RAJU
DIRECTOR, BGSCET

By: Management, Principal, HoD's and Staff



Session Name	Yoga Session
Resource Person	Suresh Aradya
Date	27.05.2023
Platform	Offline, Venue: BGSCET Gallery

IMPORTANCE OF YOGA

Yoga improves strength, balance and flexibility. Slow movements and deep breathing increase blood flow and warm up muscles, while holding a pose can build strength. Balance on one foot, while holding the other foot to your calf or above the knee (but never on the knee) at a right angle.

Over the last few decades, there has been an upsurge in the prevalence of yoga. Medical professionals and celebrities are also adopting and recommending the regular practice of yoga due its various benefits. While some regard yoga as simply one more prevailing fashion and associate it with the new age mysticism, others vouch for how astonishing this form of exercise feels. What they don't understand is that what they see as simply just another form of exercise will profit them in ways they never envisioned.

Before we get into the benefits of Yoga, it is essential to understand what exactly Yoga really is. Yoga is not a religion, it's a way of living that aims towards a healthy mind in a healthy body. Man is a physical, mental and spiritual being; Yoga helps in developing the balance between all the three as stated in Ayurveda in India. Other forms of exercise, like aerobics, only assure physical wellbeing. These exercises have very little to do with the improvement of spiritual or astral body.

Yoga is not just about bending or twisting the body and holding the breath. It is a technique to bring you into a state where you see and experience reality simply the way it is. If you enable your energies to become exuberant and ecstatic, your sensory body expands. This enables you to experience the whole universe as a part of yourself, making everything one, this is the union that yoga .

A Report on

“Pre placement Talk by Mr Rajesh Kumar V S”



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**CORDIAL WELCOME TO 2nd SEM
B.E Students For
STUDENT INDUCTION PROGRAM
PHASE - II
Pre-Placement talk
on
India Growth trajectory
and Opportunity for
Computer Science Graduates**



MR. RAJESH KUMAR V S
iBridge360 and
Edutech company

VENUE: AUDITORIUM HALL, BGSCET CAMPUS
DATE : 29th May, Monday 2023
TIME: 2:00 to 4:00 PM

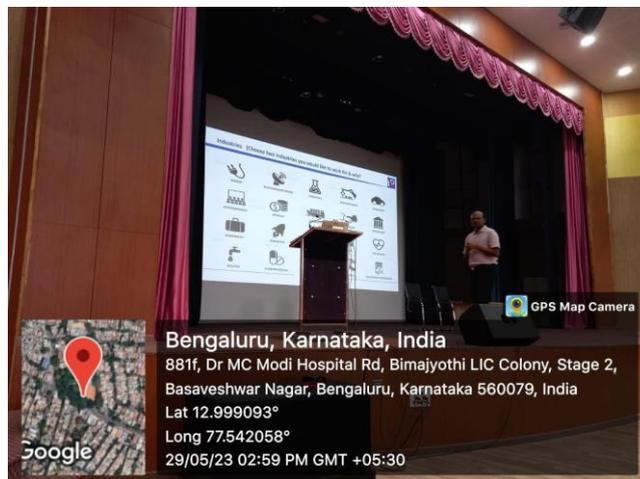
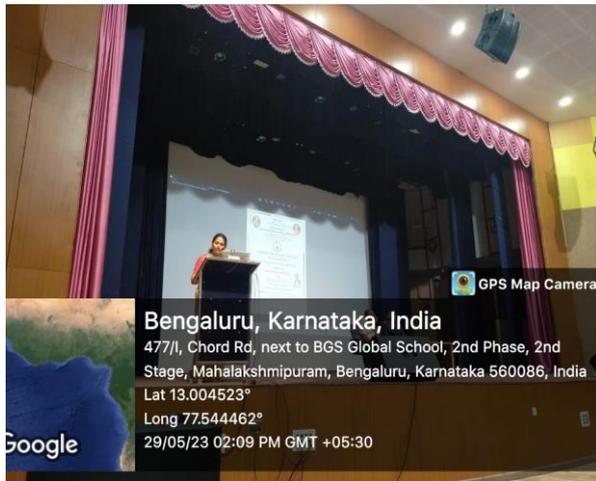
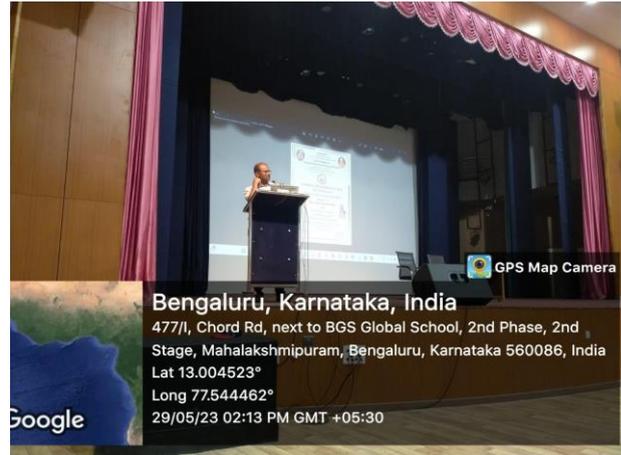
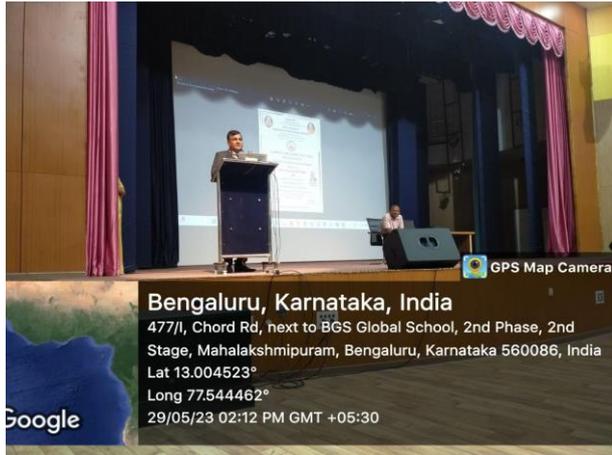
Dr. RAVI KUMAR G K
PRINCIPAL, BGSCET

Dr. G.T.RAJU
DIRECTOR, BGSCET

By: Management, Principal, Hod's And Staff

DAY 3:Session 1

Session Name	Pre-placement Talk
Resource Person	Mr Rajesh Kumar
Date	29.05.2023
Platform	Offline, Venue: BGSCET Auditorium



The training and placement cell is a necessary aspect for a student while getting enrolled in any college. From the student perspective, high-quality placements can offer a range of benefits, positive impacts, and lots of opportunities. Nowadays, Start-ups and organizations want to hire students with highly spontaneous skills during the recruitment process. It ensures that professionals they have are highly qualified with the unconventional approach to critical problem-solving. In such a situation, the placement cell identifies these skills by interacting with a human resource manager of a specific industry and prepares every student to make them industry-ready.

About the Resource Person

Rajesh – Founder/Mentor

iBridge360 and Edutech company

Rajesh is a software engineer with 25 years of experience in application development in both operational and data analysis. He has mentored more than 1000 people in the last 15 years in database, data warehousing and analytics related technologies. Passionate about transforming job seekers into empowered professionals, Rajesh has transformed his experience into a system for remote learning which is the iBridge360 Learning Platform!

A Report on

“Creating Safe Space in your Campus-Durga Associates”



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CORDIAL WELCOME TO 2nd SEM B.E Students For STUDENT INDUCTION PROGRAM

PHASE - II

SESSION

on

Voice - Creating Safe Space in your Campus



Ms. Tansy
DURGA ASSOCIATES



Ms. Ravitha
DURGA ASSOCIATES

VENUE 1: BGSCET AUDITORIUM (CSD, AI & DS & ISE)

VENUE 2: SEMINAR HALL (AI & ML, CSE)

DATE : 30th May, Tuesday 2023

TIME: 2:00 to 4:00 PM

Dr. RAVI KUMAR G K
PRINCIPAL, BGSCET

Dr. G.T.RAJU
DIRECTOR, BGSCET

By: Management, Principal, Hod's And Staff

DAY 4: Session 1:

Session Name	Creating Safe Space in your Campus-Durga Associates
Resource Person	Ms Ravitha
Date	30.05.2023
Platform	Offline, Venue: BGSCET Auditorium



A Report on

“Career Options for Engineers”



ज्ञानं ह्यनं तुल्यमखिलेभ्यः

BGSKH Education Trust

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BGS College of Engineering & Technology (BGSCET)

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**CORDIAL WELCOME TO 2nd SEM
B.E Students For**

STUDENT INDUCTION PROGRAM

PHASE - II

TALK

on

Career options for Engineers



MR. NAVEEN KUMAR
Director MBA, BGSCET

VENUE : AUDITORIUM HALL, BGSCET CAMPUS

DATE : 31st May, Wednesday 2023

TIME: 2:00 to 4:00 PM

Dr. RAVI KUMAR G K
PRINCIPAL, BGSCET

Dr. G.T.RAJU
DIRECTOR, BGSCET

By: Management, Principal, Hod's And Staff

DAY 5:Session 1

Session Name	“Career Options for Engineers”
Resource Person	Dr Naveen Kumar HOD MBA ,BGSCET
Date	31.05.2023
Platform	Offline, Venue: BGSCET Auditorium



It is a dream for most Science stream school students to become an engineer. Most students get into engineering without knowing what they like or what they want to do after B.Tech, which is why India has a huge number of B.Tech graduates.

A Report on

“Infosys Spring Board”-Ms Pruthvi



जिज्ञासां तु यथायतेषु

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**CORDIAL WELCOME TO 2nd SEM
B.E Students For
STUDENT INDUCTION PROGRAM**

PHASE - II

TALK

on

Overview of Infosys Springboard.



MS. PRUTHVI

VENUE : AUDITORIUM HALL, BGSCET CAMPUS

DATE : 1st June, Thursday 2023

TIME: 12:00 to 1:00 PM

Dr. RAVI KUMAR G K

PRINCIPAL, BGSCET

Dr. G.T.RAJU

DIRECTOR, BGSCET

By: Management, Principal, Hod's And Staff

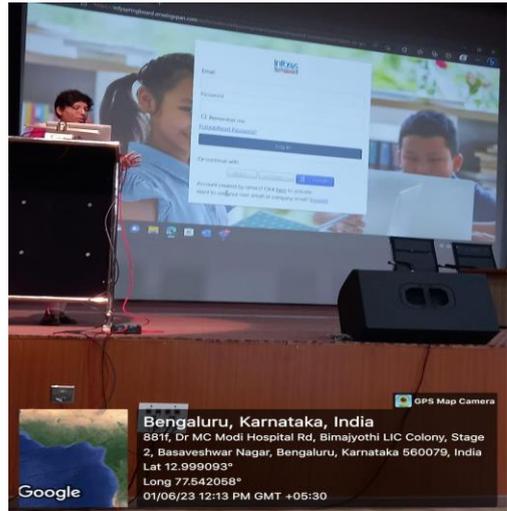
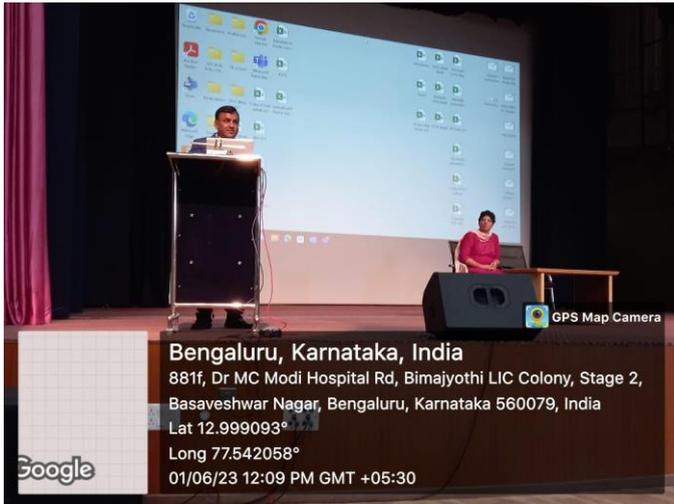
DAY 6: Session 1

Session Name	Infosys Springboard Registration
Resource Person	Ms. Pruthvi, Infosys, Bengaluru
Date	01.06.2023
Platform	Offline, Venue: BGSCET Auditorium

About the session

The session focused on making students aware of the different programs in the Infosys Springboard across various platforms to help students understand the benefits of certification courses on cutting edge technologies in industry.

1. Infosys Springboard is part of the CSR activity of Infosys
2. Infosys Springboard aims to enable students and associated communities from early education to employment by enabling them on digital and supporting life skills.
3. Benefits of courses for learners were explained to students. These include:
 - Content is aligned with New Education Policy 2020.
 - It provides collaborative platform, engagement tools, access to telemetry and video proctored assessment platform.
4. Registration procedure to access the courses in the platform were explained
5. The students were also briefed about various courses, benefits, duration and assessment procedure for the certification of the same.



DAY 6: Session 2

A Report on

“Energy Conservation and Green Buildings for Sustainability-B.E.E”



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**CORDIAL WELCOME TO 2nd SEM
B.E Students For
STUDENT INDUCTION PROGRAM
PHASE - II
TALK
on
Energy Conservation and
Green Buildings for Sustainability**



DR. VARAPRASAD JANAMALA
Asst. Professor, Dept. of EEE
Faculty of Engineering,
Chitvi University Bengaluru.

VENUE : AUDITORIUM HALL, BGSCET CAMPUS
DATE : 1st June, Thursday 2023
TIME: 2:00 to 4:00 PM

Dr. RAVI KUMAR G K
PRINCIPAL, BGSCET

Dr. G.T.RAJU
DIRECTOR, BGSCET

By: Management, Principal, Hod's And Staff

DAY 6: Session 2

Session Name	Energy Conservation and Green Buildings for Sustainability-B.E.E
Resource Person	Dr Varaprasad J,Christ University
Date	01.06.2023
Platform	Offline, Venue: BGSCET Auditorium



Karnataka Renewable Energy Development Limited

Government of Karnataka

Energy has been universally recognised as one of the most important input for any economic growth and human development. Considering universal energy access and energy security as one of the fundamental development goals for the country, the Govt. of India has undertaken a multi prolonged approach to cater the rising energy demand ensuring minimum growth in carbon emission. Energy Efficiency plays a significant role in meeting the rising energy demand in a sustainable manner.

The Energy Conservation Act (EC Act), 2001 was enacted on 1st October 2001(effect on 1st March 2002) with the overall objective to provide necessary legal framework for promoting efficient use energy and its conservation Bureau of Energy Efficiency (BEE) was setup by the Govt. of India with mandate to develop and implement energy efficiency schemes and programs under the provisions of Energy Conservation Act, 2001.

Bureau of Energy Efficiency (BEE) has initiated a numbers of programs such as Energy Conservation Building Code (ECBC), Perform, Achieve & Trade Scheme (PAT), Demand Side Management (DSM), Standards & Labeling (S&L), E- Mobility, Certification of Energy Managers & Auditors etc.

|| JAI SRI GURUDEV ||

BGS College of Engineering and Technology (BGSCET)
Mahalakshmpuram, Bengaluru - 560 086.

In Association with
Bureau of Energy Efficiency (B.E.E)
and
Karnataka Renewable Energy Development Limited (K.R.E.D.L)

Organize Workshop on
Energy Conservation and Green Buildings for Sustainability

Date: 01/06/2023 **Venue: BGSCET AUDITORIUM**

BGSKH Education Trust (B.) - A unit of Sri Adichunchanagiri Shikshana Trust (R.)
BGS College of Engineering and Technology (BGSCET)
(Approved by AICTE, New Delhi and Affiliated to VTU, Davangere)
Adjacent to Mahalakshmi Metro Station, Mahalakshmpuram, West of Chord Road, Bengaluru-560086, Karnataka
In Association with the Bureau of Energy Efficiency (B.E.E.)
and
Karnataka Renewable Energy Development Limited (K.R.E.D.L.)
Workshop on
"Energy Conservation Awareness Program"
01 June 2023

Energy Conservation and Green Buildings for Sustainability
Dr Varaprasad Janamala
Associate Professor
Electrical and Electronics Engineering, School of
CHRIST (Deemed to be University), Bengaluru
GPS Map Camera

Bengaluru, Karnataka, India
330, 15th Cross Rd, 2nd Phase, 2nd Stage, Nagapura, Bengaluru,
Karnataka 560086, India
Lat 13.00758°
Long 77.543005°
01/06/23 02:18 PM GMT +05:30



Sustainable Development Goals (SDGs)

The Sustainable Development Goals (SDGs) also known as the Global Goals, were adopted by the United Nations in 2015 as a universal call for action to end poverty, protect the planet, and ensure that by 2030 all people enjoy peace and prosperity.

1. No Poverty	2. Zero Hunger	3. Good Health and Well-being	4. Quality Education	5. Gender Equality	6. Clean Water and Sanitation
7. Affordable and Clean Energy	8. Decent Work and Economic Growth	9. Industry, Innovation and Infrastructure	10. Reduced Inequalities	11. Sustainable Cities and Communities	12. Responsible Consumption and Production
13. Climate Action	14. Life Below Water	15. Life on Land	16. Peace, Justice and Strong Institutions	17. Partnerships for Sustainable Development	

SUSTAINABLE GOALS

A Report on
“Moral Values and Health”



जिज्ञासां तु गुरुभिरुच्यते

BGSKH Education Trust

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**CORDIAL WELCOME TO 2nd SEM
B.E Students For
STUDENT INDUCTION PROGRAM**

PHASE - II

TALK

on

Moral values and Health



DR. NEERAJA N KUMAR

VENUE : AUDITORIUM HALL, BGSCET CAMPUS

DATE : 2nd June, Friday 2023

TIME: 12:00 to 1:15 PM

Dr. RAVI KUMAR G K
PRINCIPAL, BGSCET

Dr. G.T.RAJU
DIRECTOR, BGSCET

By: Management, Principal, Hod's And Staff

*ಇವರ ಹಲ ವರು ಟ್ವಿಡ್,ಫೇಯ 20&ಕಿಗಳ ಂಷಣ ಆದಂಶ ಂಕಿ ಪಂಗಳm&9ಂದ 9ತ ರನ್ಂಂ8 ಿಷಂದ ದೂರದಶನ ಂ&9ಯ8 ಇವರ ಉಪನೂ,ಸಗಳ್ ಪ, ವರನ್ಂಂ8 ಿ.92ಂನವರದ ಭ. ಮ ಂ9ೇರ 9ನಮಂ8ರದ8 ಮ ಂ9ೇರ ಸಂಘದ ಡೂಲೆ &9ರಗಳನು ನ ಿ ದೂಲಿ, ಂ ಿ. ದಶಲ ಣ ಪವx ಮತು ಪಂಚಕೇಂ,ಣಗಳ8 ಇವರು ಂಜ,ದ 99ಧ ಕ ಿಮತು ಟ್ವಿ ಂಡ್,ಫೇಯ8 ಉಪ ಂ,ಸೇ8 ಂ ಿ.

*ಎರಡು ಪೂ& ಕ ನಾಟಕ ಟ್ವಿನ್ ಅ ಂೂ ರೇಷು ದಿಯxದೂ& ಸ&an' ನ ಿದ ಜು ಂವ ರಿಯ8 ಮ&ಂ ಪ&98ರೂA ಜು ಂತೆತ ಂA ಂ ಿ.

* ಂ.9ೇರ ಂ ಅವರು ತಮೇ ಪ& ಅವ ಂೂಡ ಸ ಅ ಸಕ ಉ9ತ ಟ್ವಿಡ್,ಫೇಯ ಮತು ದಂತ ಟ್ವಿಡ್,ಫೇಯ &9ರಗಳನು ಏಪx8 ಂ ಿ. ಪ&ಯ , ಡೇಂ,ಹ8ಂದೇ& 9ನ ಟ್ವಿ ಿಮತು ಂ2ಂ9ಕ ಟ್ವಿ ರಿಯನು ಸ8 ಸಲು ಂಧ, ಂ&ತು ಂದು ಅವರನು ತುಂಬು ಹ್ಯದಯ8ಂದ ಿ ರಿಯನು ಿ.

*ಇವರು ಂ8ನೂ,ಮ ಟ್ವಿನ್ &ತ, ಮಂಡ ಯ ಅಧ, ಂA, ಸು2ೇರು ಟ್ವಿನ್ ಂಂ ಟ್ವಿನ್ ಅದರ ಪೂವx ಉ ಂಧ, ಂA, ಟ್ವಿನ್ &ಲುಂ ಈಸ ಪೂವx ಅಧ, ಂA ತಮೇ ಟ್ವಿ ರಿಯನು ಸ8 2ಂದ& ವ,& ರೂA ಂ ಿ.ಭೂ 2ಂತು ಂಬ ಅ ಟ್ವಿನ್ ಪ&ೇಯ8 ಇವರ ಂಟುನಗಳ್ ಪಕಟಿ ಂಗುಂ ಿ. ,&ಂಂ 9,ಫ ಟ್ವಿನ್ ಬlogs ಬ ರಿಯುಂ ಂ ಿ.

ಪ,ಶ ಗಳ್: ಉದೇನೂ,ಖ ಕ9&, ಪ,ಶ , ನೂಲ ಿ ಂಕೇ9, ಇಂಟಿ ಂ,ಷನೇ ಪ,ಶ , ಕನಡ ಂತೆ ಪ&ಷಂ ನ ದ& ಪ,ಶ , ಶ್ವತಸ ಂಧ ದೂವ, ಗಣ ಮತು 9ನನೂನ ಸು ಂ ಗಣಗಳ್ ಸದ ಮx ಂತೆ ಪ,ಶ , ಂ&ತ, ಂ ಿ ಪ,ಶ , ಟ್ವಿನ್ 2ಂಧ,ಮ ಪ,ಶ (ದುಟು), ಧಮx ಪ,ಂವನ ಪ,ಶ ಗಳ್ ಸಂ8 ಿ.ಹಲ ಂರು ಸಂಘ ಸಂ ಿ ಗಳ್ ಇವರನು ಸ ಂ9 ಿ.ಇಂ ಡೇನ್ ಸು2ೇರು ಟ್ವಿನ್ ಂಂ ಟ್ವಿನ್ ಂ.9ೇರ ಂ ಅವ&ನಿ *9 ಟ್ವಿನ್ ಧಮx ಪ,ಂವನ ಂ ಪ,ಶ 9ೇ8 ನ ಂಂರ9 ಿ.

*ದೂ ಂೂ ಂ ಂೂಂ&ನ ಬನ್ ಂಗ್ಯ& ಂಗೂ ರ ಿ ಕ&ತು ಅ&ವ ಮೂ8ಸುಂ ಏi, e ,2021ರ8 ಕ ಂಟಕ ಟ್ವಿನ್ ಅ ಂೂ ರೇಷು ವ&ಂಂದ ನ ಿದ ಲ ದೂ ಉತವದ8 ಸ&,ಯ ಂA ಟ್ವಿ ಸ8 ಟ್ವಿನ್ 9 ದೂಂ8 ಂ ಿ.

* ಂ 9ೇರಜ ಅವರು ಇನಷು ಸ2ಂಜದ ಟ್ವಿ ರಿಯ8 ಂೂಡಗ8 ಅವರ ಂಲಕರೇ&ಂ&ವಂತ ಂA ಪ&ಗಳ8



A Report on

“Application of Data Driven methods in Detection and Isolation of wear induced faults in Industrial Robots”



ॐ नमो भगवते वासुदेवाय
BGSKH Education Trust
A Unit of Sri Adichunchanagiri Shikshana Trust



**BGS College of
Engineering & Technology (BGSCET)**

Adj Mahalakshmi Metro Station, West of
Chord Road, Mahalakshmiipuram, Bengaluru - 560086
(Affiliated to VTU - Belagavi, Approved by AICTE - New Delhi)



**CORDIAL WELCOME TO
2nd SEM B.E Students
for
STUDENT INDUCTION PROGRAM
PHASE - II
TALK
on
Application of data-driven
methods in detection
and isolation of
wear induced faults
in Industrial robots.**



DR. SATHISH V
Principal Engineer of
Data Analytics,
Field Operations,
Service Robotics,
ABB

VENUE : AUDITORIUM HALL, BGSCET CAMPUS
DATE : 2nd June, Friday 2023
TIME: 2:00 to 4:00 PM

Dr. RAVI KUMAR G K
PRINCIPAL, BGSCET

Dr. G.T.RAJU
DIRECTOR, BGSCET

By: Management, Principal, Hod's And Staff

DAY 7: Session 2

Session Name	Application of Data Driven methods in Detection and Isolation of wear induced faults in Industrial Robots
Resource Person	Dr Sathish V
Date	02.06.2023
Platform	Offline, Venue: BGSCET Auditorium

Title: Application of data-driven methods in detection and isolation of wear induced faults in Industrial robots

Abstract: Industrial robots are complex systems that require technical expertise for condition monitoring and diagnostics. In small and medium scale industries, adequate skilled resources may not be available to monitor the robots consistently. In such cases, domain experts can provide maintenance advisory based on data collected through remote monitoring. The objective of this talk is to share my work on application of data-driven approaches to detect and identify the source of mechanical degradation in industrial robots using data typically collected through remote monitoring.

Brief Biodata: Dr. Sathish V is working as Principal Engineer of Data analytics, Robotics Field Operations and Services, ABB. Since 2006, Dr. Sathish has been associated with ABB and has overall work experience of 23 years. His field of interest is in application of data-driven methods for robotics field service. He received his PhD in computer science and engineering from IIIT, Delhi.





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