||Jai Sri Gurudev||

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

BGS College of Engineering and Technology (BGSCET)

(Approved by AICTE, New Delhi and Affiliated to VTU, Belagavi)

Mahalakshmipuram, West of Chord Road, Bengaluru -560 086, Karnataka, India.

CONSOLIDATED REPORT

ON

First Phase

Student Induction Programme

FOR

FIRST YEAR STUDENTS @ BGSCET

2024-25

||Jai Sri Gurudev||
BGSKH Education Trust (R.) – A unit of Sri Adichunchanagiri Shikshana Trust(R.)
BGS College of Engineering and Technology (BGSCET)
(Approved by AICTE, New Delhi and Affiliated to VTU, Belagavi)
EST :2022
Adjacent to Mahalakshmi Metro Station, Mahalakshmipuram, West of Chord Road, Bengaluru -560 086. Karnataka

bgscet.ac.in

Phase-I: Student Induction Programme Schedule for First Year BE students 2024-25

Sl. No	Date	Activities		Online Talk: 6.00 pm to 7.00 pm
		09.00 am -12 Noon	2.00 pm- 5.00 pm	
1	09/09/24	Craft: Clay Modelling	Poster making	Introduction about SriMutt, BGS Group of Institutions, BGSCET. - **Dr. Ravikumar G K,** Principal, BGSCET.
2	10/09/24	Plantation	Helping Parents in cooking/ farming	Personality Development Programme - MBA Dept
3	11/09/24	Teaching of subject of your interest at Govt/ Private School nearby	IDEA Pitching Activities	Universal Human Values -Dr. Parvathi C Dept of CSE, BGSCET.
4	12/09/24	Health Care Awareness Programme	Awareness programme to promote State and Central Government Schemes	"Seniors - Fresher Connect: Sharing Experiences and Insights at BGSCET"
5	13/09/24	Swatch Bharath-Cleaningnearby place/ house/ temple/ school	Article writing: Role of Engineers in Society	Training/ Placements - Dr. Manjula G, HOD, Dept. of CSE, BGSCET.
6	17/09/24	Drawing/ Painting	Model making	Wellness Programme: Sailaja Urlam, Counselling Psychologist and Behavioral Therapist
7	18/09/24	Collage/ Cartooning	Rangoli	Importance of Quantum Mechanics for Engineers - Dr. Ambika A V, Dept. of Physics, BGSCET.
8	19/09/24	Photography Theme: Nature/Animals	Report on Historical placesnear to your native.	"Navigating your Engineering Journey: Essential Carrier Guidance for 1st year" – Dr. Suresh, AICTE Nominated as Margdharshak
9	20/09/24	Promoting any societal activities	Importance of Basic Science in Engineering by visiting any labs of your choice	Talk on Entrepreneurship by Sriharsha K, CEO, Theta Solutions Ltd, UK

Chief Coordinator

Principal
BGS College of Engineering & Technology
Mahalakshmipuram, Bengaluru - 560086

Activity Name: Welcome address by Principal

Resource Person: Dr. Ravikumar G K, Principal,

Designation: Principal, BGS College of Engineering & Technology

Date: 09/09/2024, **Venue:** BGSCET, **Time:** 6:00 PM to 7:00 PM

Objective:

The purpose of this session is to extend a warm welcome to the newly admitted students and provide them with insights into the legacy, vision, and values of the institution. It aims to introduce students to the spiritual and academic foundation of Sri Mutt, the BGS Group of Institutions, and the esteemed BGS College of Engineering and Technology (BGSCET).

Session Overview:

The session will commence with a Welcome Address by Dr. Ravikumar G K, Principal, BGSCET, who will greet the students and encourage them to embark on their academic journey with enthusiasm and commitment. He will emphasize the significance of discipline, ethics, and innovation in education, aligning with the institution's values.

Introduction to Sri Mutt:

Sri Adichunchanagiri Mutt, a renowned spiritual and educational center, has a history spanning over 1,500 years. It is a sacred institution dedicated to the propagation of Dharma, education, and social welfare. The Mutt has played a vital role in the spiritual and cultural upliftment of society under the guidance of its revered pontiffs. The institution has established numerous schools, colleges, and hospitals, ensuring that quality education and medical facilities are accessible to all.

The present pontiff, **Jagadguru Sri Sri Sri Dr. Nirmalanandanatha Mahaswamiji**, continues the legacy of his predecessors with a focus on education, societal development, and spiritual enlightenment. Under his guidance, the Mutt has expanded its educational and healthcare initiatives, fostering intellectual growth and ethical leadership among students. His

Holiness emphasizes the importance of knowledge, discipline, and service, inspiring individuals to contribute positively to society.

Overview of BGS Group of Institutions:

The BGS Group of Institutions is a premier educational organization committed to excellence in various fields, including engineering, medical sciences, management, and research. Under the visionary leadership of **Paramapoojya Jagadguru Sri Sri Sri Dr. Balagangadharanatha Mahaswamiji**, the group has established numerous institutions that promote quality education and holistic development.

Introduction to BGSCET:

The BGS College of Engineering and Technology (BGSCET) is a reputed institution dedicated to fostering innovation, technical expertise, and research excellence. The college provides a dynamic learning environment with state-of-the-art infrastructure, experienced faculty, and industry-driven academic programs. Students are encouraged to engage in co-curricular and extracurricular activities to ensure their all-round development.

Conclusion:

This session will set the tone for the academic journey of the students, inspiring them to make the most of the opportunities provided by the institution. The Principal will conclude with words of motivation, urging students to strive for excellence, uphold ethical values, and contribute positively to society.

Activity Name: Personality Development Programme

Resource Person: Dr. Naveen Kumar G,

Designation: Director, BGS School of Management.

Date: 10/09/2024, **Venue:** BGSCET, **Time:** 6:00 PM to 7:00 PM

Objective:

The objective of this session was to help students understand the significance of personality development in their academic, personal, and professional lives. The programme aimed to equip students with essential soft skills, enhance their confidence, and instill leadership qualities. Through interactive discussions and activities, students were encouraged to recognize their strengths and areas for improvement, fostering overall self-improvement and career readiness.

Introduction:

The Student Induction Programme at [Institution Name] included a highly insightful session on Personality Development conducted by **Dr. Naveen Kumar G, Director, BGS School of Management**. The session aimed to help students develop essential soft skills, boost confidence, and understand the significance of a well-rounded personality in their academic and professional journeys.

Session Highlights:

Dr. Naveen Kumar G emphasized the importance of personality development in shaping successful individuals. He discussed key attributes such as communication skills, leadership qualities, time management, teamwork, emotional intelligence, and self-discipline. Through engaging discussions and real-life examples, he demonstrated how these qualities contribute to personal and professional growth.

The session included interactive activities, role-playing exercises, and self-assessment techniques that helped students identify their strengths and areas for improvement. Dr. Naveen Kumar also stressed the importance of a positive mindset, continuous learning, and adaptability in today's fast-changing world.

Impact on Students:

The session was well-received by students, who actively participated in discussions and exercises. Many students expressed that the programme provided valuable insights into enhancing their self-confidence, interpersonal skills, and career readiness. The engaging nature of the session kept the students motivated and inspired to work on their personal growth.

Conclusion:

The Personality Development Programme was a valuable addition to the Student Induction Programme, providing students with practical knowledge and motivation to develop their personal and professional skills. The institution expresses gratitude to Dr. Naveen Kumar G for his time and expertise in delivering such an enriching session. The event concluded with a vote of thanks, appreciating the efforts of all involved in making the program a success.

Activity Name: Universal Human Values

Resource Person: Dr. Parvathi C,

Designation: Head, Dept. of AI&DS

Date: 11/09/2024, **Venue:** BGSCET, **Time:** 6:00 PM to 7:00 PM

Introduction

The student induction program aimed to introduce incoming students to the significance of Universal Human Values and their application in both personal and professional life. The session was conducted by Dr. Parvathi C, the Head of the Department of AI & Data Science, at BGSCET on 11th September 2024. The session was scheduled from 6:00 PM to 7:00 PM and aimed at fostering ethical values, integrity, and social responsibility among the students.

Objectives of the Session

- To create awareness among students about the importance of Universal Human Values.
- To foster a culture of empathy, respect, and cooperation within the academic community.
- To provide insights into how human values contribute to personal development and professional growth.

Session Highlights

Introduction to Universal Human Values: **Dr. Parvathi** began the session by defining Universal Human Values as principles that are universally accepted across cultures and religions. These include values such as respect, integrity, empathy, and responsibility.

The Role of Human Values in Professional Life: The resource person emphasized how human values shape one's approach to professional ethics and decision-making. She highlighted real-life examples where integrity and empathy have played key roles in problem-solving and leadership.

Interactive Discussion: The session encouraged students to reflect on their personal values and how these can align with their professional aspirations. Dr. Parvathi facilitated an open discussion where students shared their thoughts on maintaining ethical standards in challenging situations.

Value-Based Leadership: Dr. Parvathi focused on the concept of value-based leadership and how leaders can inspire and guide others by adhering to ethical principles. She also discussed the importance of creating a supportive and inclusive environment in academic and professional settings.

Conclusion

The session concluded with **Dr. Parvathi** urging students to integrate Universal Human Values into their daily lives and future careers. The interaction helped students recognize the significance of these values in building a responsible and ethical society.

Feedback

The students actively participated in the session, asking insightful questions and sharing personal experiences. Overall, the induction activity was well-received, and students expressed their appreciation for learning about the importance of human values in shaping their futures.

Activity Name: Training/ Placements

Resource Person: Dr. Manjula G,

Designation: Head, Dept. of Computer Science & Engineering

Date: 13/09/2024, **Venue:** BGSCET, **Time:** 6:00 PM to 7:00 PM

Introduction

The session on *Training and Placements* was organized as part of the student induction program to help incoming students understand the placement process and the importance of skill development for securing job opportunities. The session was conducted by **Dr. Manjula G**, Head, Department of Computer Science & Engineering, at BGSCET on 13th September 2024. It was held from 6:00 PM to 7:00 PM, with the aim of guiding students on how to prepare for and excel in the competitive job market.

Objectives of the Session

- To familiarize students with the training and placement procedures at BGSCET.
- To highlight the significance of skill development and personality enhancement for successful placements.
- To provide students with strategies for preparing for interviews and recruitment processes.

Session Highlights

- **Introduction to Training and Placements:** Dr. Manjula began by introducing the placement process at BGSCET and explained how the training sessions are designed to bridge the gap between academic knowledge and industry requirements.
- **Skill Development and Career Planning:** Dr. Manjula emphasized the need for continuous learning and skill enhancement. She discussed various training programs offered by the institution that focus on technical, soft, and life skills, including coding workshops, communication workshops, and industry interactions.
- **Interview Preparation Tips:** The resource person provided valuable insights into preparing for campus recruitment interviews. She covered aspects such as resume

building, personal grooming, and common interview questions. **Dr. Manjula** also stressed the importance of practicing aptitude and technical rounds to improve chances of success.

- **Industry Collaboration:** The session highlighted BGSCET's strong ties with industry leaders and how these collaborations open doors for students to participate in internships, workshops, and guest lectures by professionals from top companies.
- **Placement Success Stories: Dr. Manjula** shared success stories of students who secured placements in reputed companies, motivating the new batch to aim high and take full advantage of the resources provided by the institution.

Conclusion

The session concluded with **Dr. Manjula G** encouraging students to take their career development seriously and to actively participate in all training and placement activities. She assured the students that BGSCET would support them throughout the process, from skill development to placement.

Feedback

Students expressed their gratitude for the session and showed keen interest in the upcoming training programs. The information shared by **Dr. Manjula G** was well-received, and many students requested additional resources for interview preparation.

Activity Name: Wellness Programme

Resource Person: Sailaja Urlam,

Designation: Counseling Psychologist & Behavioral Therapist

Date: 17/09/2024, **Venue:** BGSCET, **Time:** 6:00 PM to 7:00 PM

Introduction

The *Wellness Programme* was conducted as part of the student induction series to help new students understand the importance of mental health and well-being during their academic journey. The session was led by Sailaja Urlam, a Counseling Psychologist and Behavioral Therapist, on 17th September 2024, from 6:00 PM to 7:00 PM at BGSCET. The aim of the session was to provide students with tools to manage stress, build emotional resilience, and maintain a healthy work-life balance.

Objectives of the Session

- To raise awareness about the importance of mental and emotional well-being.
- To provide students with practical techniques for managing stress, anxiety, and other mental health challenges.
- To promote a supportive environment where students feel empowered to seek help when needed.

Session Highlights

- **Understanding Mental Health and Wellness:** Sailaja started by explaining the concept of mental wellness, distinguishing it from mental illness. She discussed the role of self-awareness and emotional intelligence in maintaining a balanced life.
- **Identifying Stress and Anxiety:** The resource person helped students identify common stressors they might face in an academic setting. She provided guidance on recognizing signs of anxiety and stress and understanding their effects on physical and mental health.
- **Techniques for Stress Management:** Sailaja introduced students to various techniques to manage stress effectively, including deep breathing exercises,

mindfulness practices, and time management skills. She encouraged students to adopt healthy coping mechanisms like journaling, exercise, and relaxation techniques.

- **Building Emotional Resilience:** The session also focused on building emotional resilience to handle setbacks and challenges. Sailaja shared strategies for cultivating a positive mindset, emotional regulation, and self-care practices that support long-term well-being.
- **Encouraging Help-Seeking Behavior:** Sailaja emphasized the importance of reaching out for support when feeling overwhelmed, whether through counseling services, peer support, or family. She provided information on how students could access counseling resources at BGSCET.

Conclusion

The session concluded with Sailaja encouraging students to prioritize their mental health and to use the wellness tools discussed during the session. She assured the students that mental well-being is just as important as academic success and that they should not hesitate to seek help whenever necessary.

Feedback

Students actively engaged in the session, asking thoughtful questions and participating in the wellness exercises. Many expressed appreciation for the practical advice and expressed interest in future wellness workshops. Several students also mentioned that the session helped them feel more confident about managing the challenges they may face during their academic journey.

Activity Name: Importance of Quantum Mechanics for Engineers

Resource Person: Dr. Ambika A V,

Designation: Head, Department of Physics

Date: 18/09/2024, **Venue:** BGSCET, **Time:** 6:00 PM to 7:00 PM

Introduction

The session on ***The Importance of Quantum Mechanics for Engineers*** was organized as part of the student induction program to introduce engineering students to the relevance of quantum mechanics in modern engineering. **Dr. Ambika A V**, Head of the Department of Physics at BGSCET, conducted the session on 18th September 2024 from 6:00 PM to 7:00 PM. The objective of the session was to help students understand how quantum mechanics plays a crucial role in the development of advanced technologies used in various engineering fields.

Objectives of the Session

- To explain the fundamental concepts of quantum mechanics.
- To highlight the significance of quantum mechanics in engineering applications.
- To inspire students to explore the intersection of physics and engineering in emerging technologies.

Session Highlights

- **Introduction to Quantum Mechanics: Dr. Ambika** began the session by introducing the basic principles of quantum mechanics, explaining concepts such as wave-particle duality, superposition, and quantum entanglement. She illustrated how these principles challenge classical physics and have led to breakthroughs in various fields.
- **Relevance of Quantum Mechanics for Engineers:** The resource person emphasized the importance of quantum mechanics in modern engineering. She discussed how quantum principles are applied in the design and development of cutting-edge technologies such as semiconductors, quantum computers, and nanoscale devices.

- **Technological Applications: Dr. Ambika** provided examples of how quantum mechanics is essential in various engineering applications, such as:
    - **Semiconductor Industry:** The working of transistors and integrated circuits relies on quantum principles.
    - **Quantum Computing:** The future of computing is moving towards quantum computing, which holds the potential to revolutionize industries like cryptography, data processing, and artificial intelligence.
    - **Nanotechnology:** Quantum mechanics is foundational in understanding the behavior of materials at the nanoscale, which is critical for the development of new materials and devices.
- **Emerging Technologies: Dr. Ambika** also touched on emerging fields like quantum communication and quantum sensors, which are expected to transform industries such as telecommunications, healthcare, and security.
- **Encouraging Interdisciplinary Learning: Dr. Ambika** encouraged students to appreciate the interdisciplinary nature of modern engineering, urging them to integrate their knowledge of physics with their engineering skills to innovate and solve complex problems.

Conclusion

The session concluded with **Dr. Ambika** emphasizing that understanding the principles of quantum mechanics is no longer an optional skill for engineers, but a necessity in the rapidly evolving technological landscape. She encouraged students to explore quantum mechanics further and to consider its applications in their future careers as engineers.

Feedback

The students showed great interest in the session, particularly in how quantum mechanics applies to current and future engineering challenges. Many students asked questions about quantum computing and nanotechnology, and some expressed an interest in pursuing research in these fields. Overall, the session was well-received, and students appreciated the connection between physics and engineering.

Activity Name: Navigating your Engineering Journey: Essential Guidance for 1st Year

Resource Person: Dr. Suresh,

Designation: AICTE, NOMINATED AS MARGADARSHAK

Date: 19/09/2024, **Venue:** BGSCET, **Time:** 6:00 PM to 7:00 PM

Introduction

The session *Navigating Your Engineering Journey: Essential Guidance for 1st Year* was organized to help first-year engineering students understand how to approach their academic and professional journeys. The session was led by **Dr. Suresh**, an **AICTE-nominated *Margadarshak* (mentor)**, who shared valuable insights on the challenges and opportunities that lie ahead in their engineering education. The session was held on 19th September 2024, from 6:00 PM to 7:00 PM at BGSCET.

Objectives of the Session

- To provide first-year students with essential guidance on how to make the most of their engineering education.
- To offer advice on time management, academic excellence, and personal development.
- To motivate students to engage in co-curricular activities and professional networking.

Session Highlights

- **Introduction to Engineering Education:** Dr. Suresh began the session by giving an overview of what students can expect during their engineering education. He discussed the academic structure, the importance of core subjects, and how to approach learning in an engineering discipline.
- **Time Management and Study Strategies:** Dr. Suresh stressed the significance of time management, especially for first-year students who may find the transition from

school to college challenging. He provided practical tips on creating effective study schedules, prioritizing tasks, and avoiding procrastination.

- **Balancing Academics and Extracurricular Activities:** Dr. Suresh emphasized the importance of maintaining a balance between academics and extracurricular activities. He encouraged students to get involved in clubs, technical events, and sports, as these activities help develop skills that are essential for their personal and professional growth.
- **Personal Development and Soft Skills:** The resource person shared strategies for improving soft skills such as communication, leadership, and teamwork. Dr. Suresh explained how these skills complement technical knowledge and are increasingly important in today's job market.
- **Career Planning and Internships:** Dr. Suresh highlighted the importance of planning early for internships and industry exposure. He explained how participating in internships and attending workshops can help students gain practical experience and a clearer vision of their future career paths.

Conclusion

The session concluded with Dr. Suresh motivating students to stay focused on their goals and to use their time wisely in order to make the most of their engineering education. He encouraged students to be proactive in seeking guidance and to actively participate in various learning opportunities available at BGSCET.

Feedback

The students actively engaged with Dr. Suresh throughout the session, asking questions about career planning and study strategies. Many students expressed their appreciation for the practical advice shared, particularly regarding time management and extracurricular involvement. The session was well-received, and students left feeling more confident and prepared for their first year in engineering.

Activity Name: Talk on Entrepreneurship

Resource Person: Dr. Shriharsha,

Designation: CEO, Theta Solutions Ltd., UK

Date: 20/09/2024, **Venue:** BGSCET, **Time:** 6:00 PM to 7:00 PM

Introduction

The *Talk on Entrepreneurship* was conducted as part of the student induction program to inspire and equip first-year students with the mindset and tools required for pursuing entrepreneurial ventures. The session was led by **Dr. Shriharsha**, **CEO of Theta Solutions Ltd., UK**, on 20th September 2024, from 6:00 PM to 7:00 PM at BGSCET. **Dr. Shriharsha** shared his personal journey and insights into the world of entrepreneurship, providing students with valuable lessons on innovation, risk-taking, and leadership.

Objectives of the Session

- To introduce students to the basics of entrepreneurship and the startup ecosystem.
- To inspire students to think creatively and consider entrepreneurship as a potential career path.
- To provide practical advice on how to start and sustain a business, with real-world examples.

Session Highlights

- **Introduction to Entrepreneurship: Dr. Shriharsha** began the session by defining entrepreneurship and discussing its significance in today's fast-paced, technology-driven world. He explained how entrepreneurship is not just about starting a business but about identifying opportunities, solving problems, and creating value.
- **The Entrepreneurial Mindset: Dr. Shriharsha** emphasized the importance of developing an entrepreneurial mindset, which includes traits such as resilience, adaptability, creativity, and a willingness to take calculated risks. He encouraged students to embrace failure as part of the learning process and to constantly seek new ways to innovate.

- **Key Success Factors for Entrepreneurs:** Dr. Shriharsha outlined key factors that contribute to the success of a startup, including:
    - **Identifying a Problem to Solve:** Successful businesses are built around solving real problems for customers.
    - **Building a Strong Network:** Having mentors, advisors, and a reliable network is crucial for gaining support and resources.
    - **Scaling the Business:** Knowing when and how to scale a business is vital for long-term growth.
- **Support Systems for Entrepreneurs:** Dr. Shriharsha encouraged students to take advantage of available resources such as incubators, accelerators, and funding opportunities for aspiring entrepreneurs. He mentioned how BGSCET's connections with industry professionals could be a valuable asset for students looking to explore entrepreneurial ventures.

Conclusion

The session concluded with **Dr. Shriharsha** encouraging students to think beyond traditional career paths and explore entrepreneurial opportunities. He urged them to start small, learn from their experiences, and always stay focused on their vision. He also assured them that the skills they develop as engineers will serve them well in any entrepreneurial endeavour.

Feedback

The students showed great enthusiasm throughout the session, engaging with **Dr. Shriharsha** and asking insightful questions about entrepreneurship, innovation, and the startup process. Many students expressed interest in pursuing entrepreneurship as a potential career option, and they appreciated the practical advice and motivational stories shared by the speaker.

Dr. Vinay Kumar B
(First Year Co-ordinator)

Dr. Ravikumar G K
(Principal)

||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, Mahalakshmipuram, 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

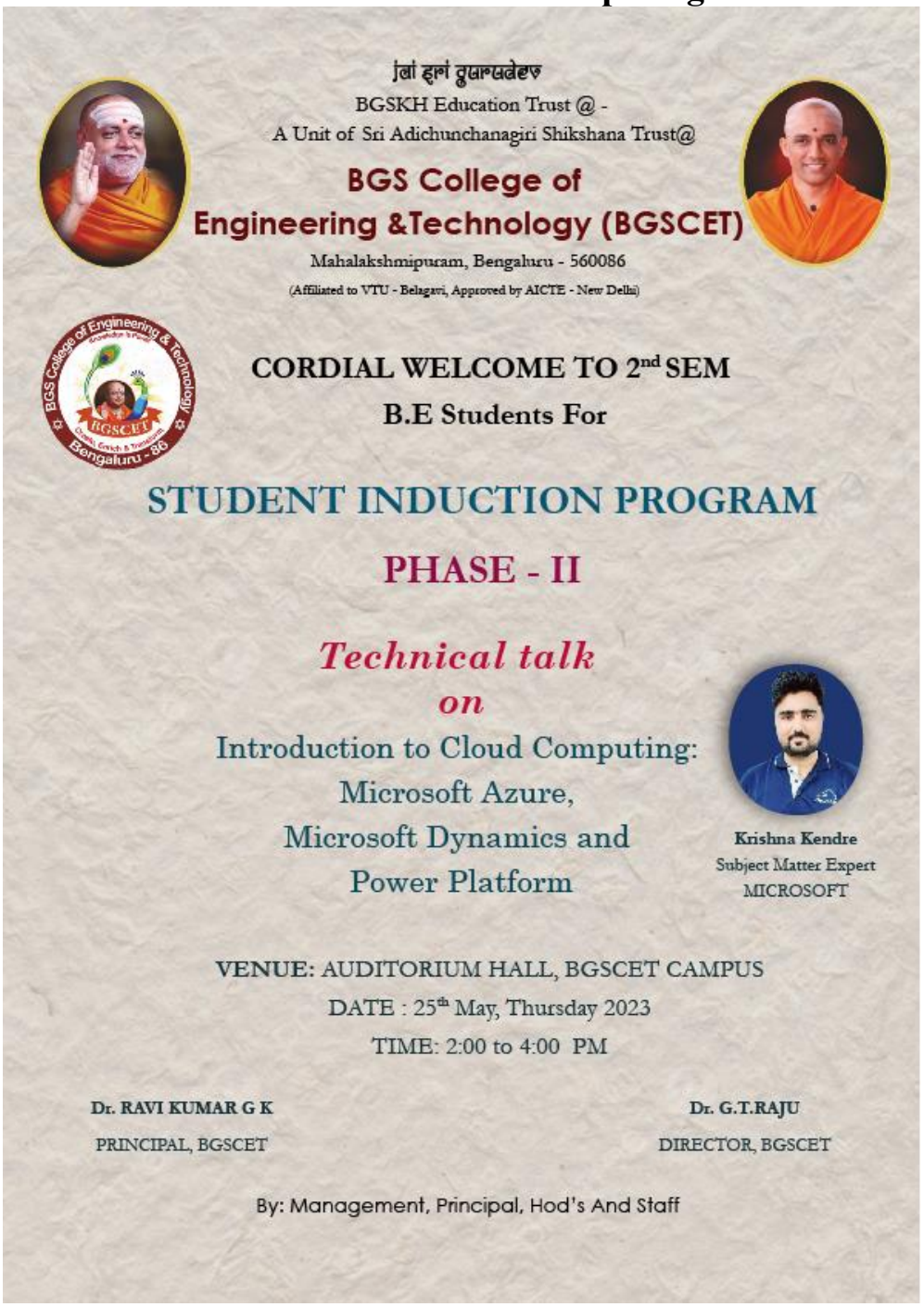
- To develop a sense of aesthetics and enhance creativity among students.
- To generate favorable attitudes towards peers, senior students,teaching and non teaching staff in the Institution.
- To inculcate inculcate value systems, systems, ethics and leadership leadership qualities qualities among students.
- 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"



DAY 1 : SESSION 1

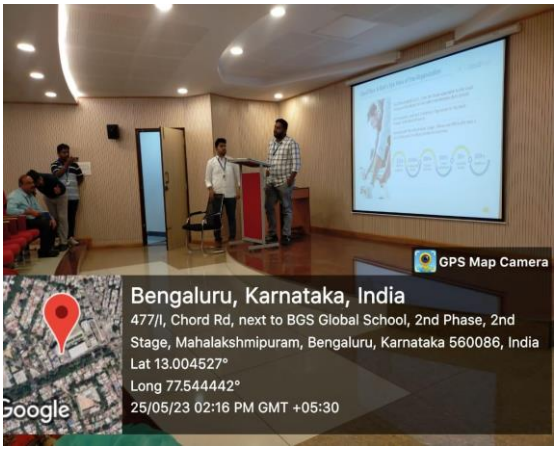
Session Name	**Introduction to Cloud Computing**
Resource Person	**Krishna Kendre**
Date	**25.05.2023**
Platform	**Offline, Venue: BGSCET Auditorium**

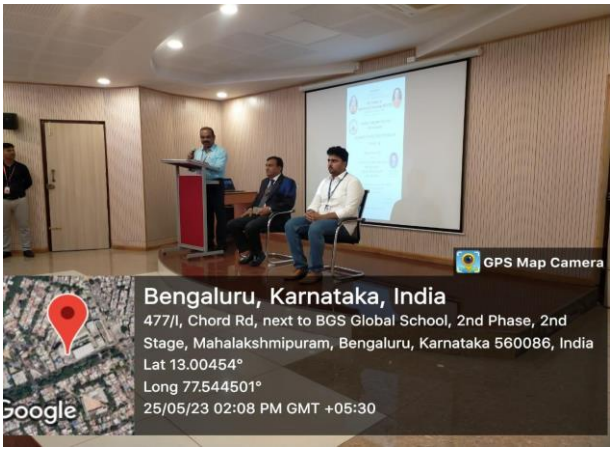
Trainer Name: Krishna Kendre

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

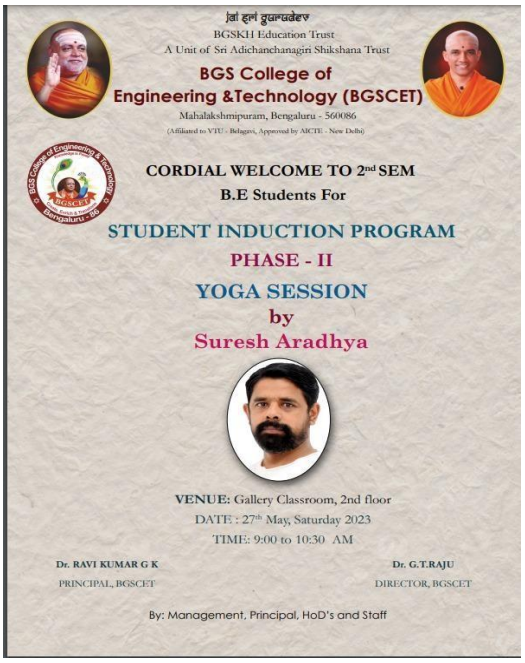


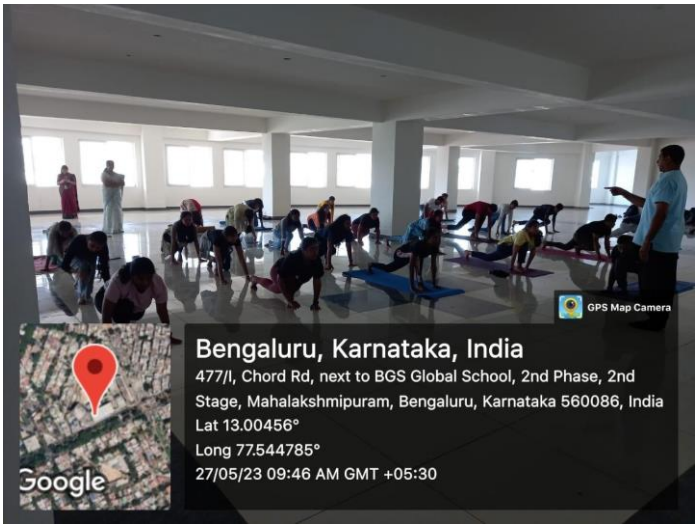


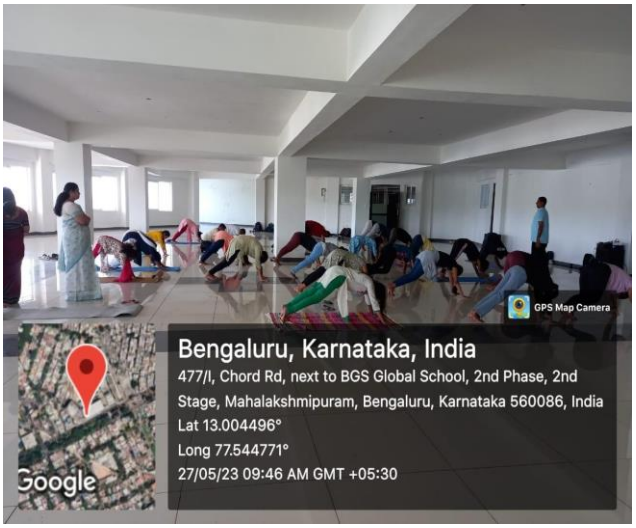
DAY 2 : SESSION 1

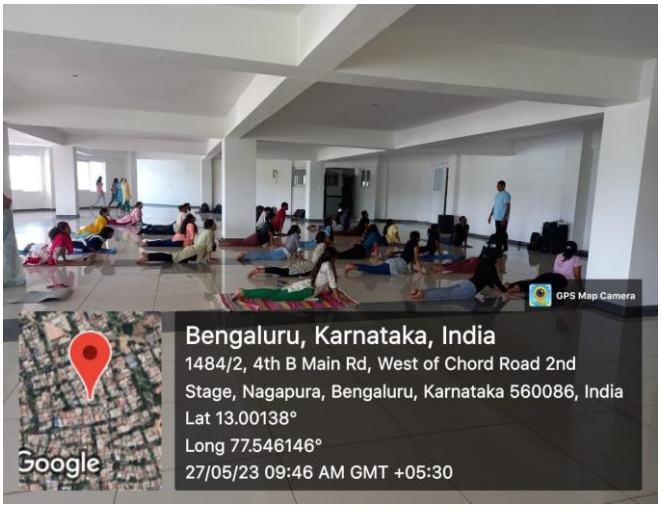
A Report on

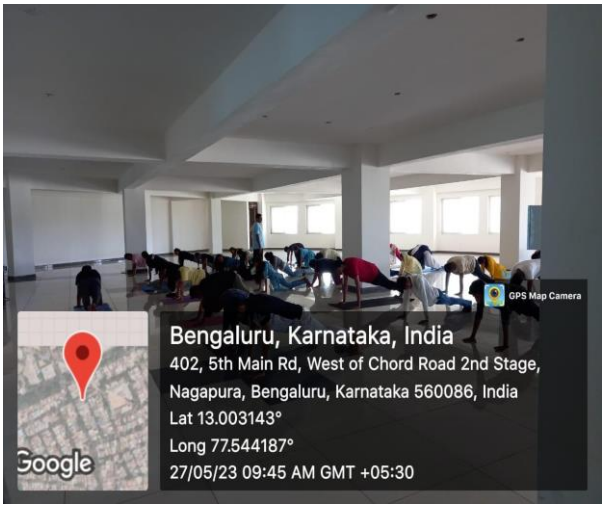
“Yoga Session by Suresh Aradya”











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.

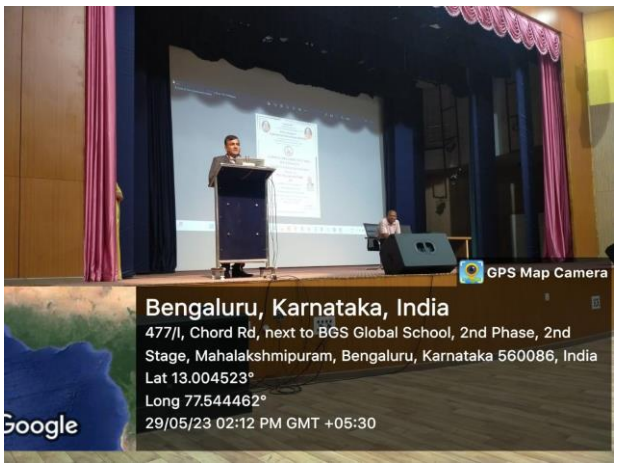
Yoga is not just about bending or twisting the body and holding the breath. It is a technique to bring you into a state where you see and experience reality simply the way it is. If you enable your energies to become exuberant and ecstatic, your sensory body expands. This enables you to experience the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

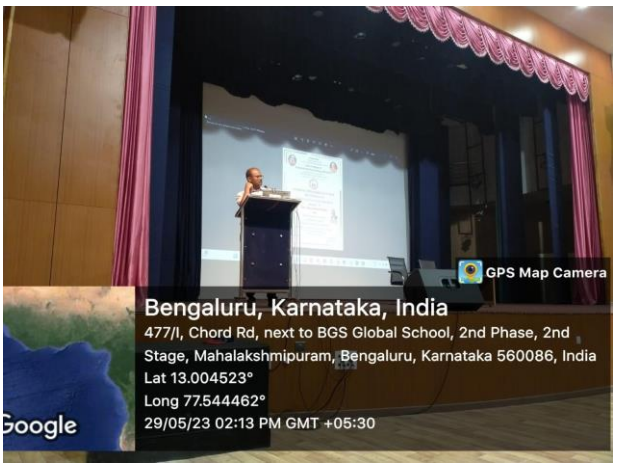
A Report on

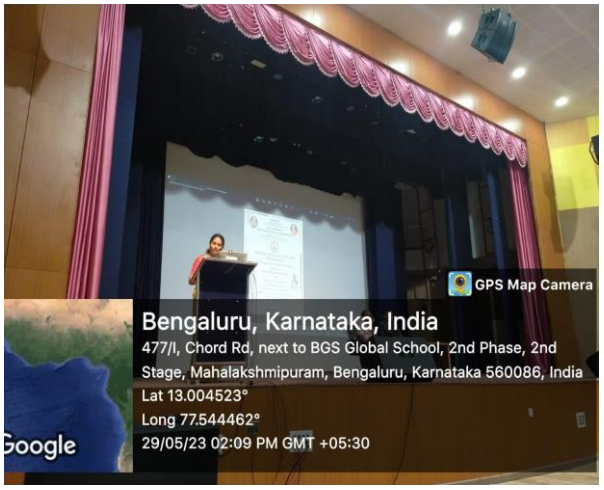
"Pre placement Talk by Mr Rajesh Kumar V S"

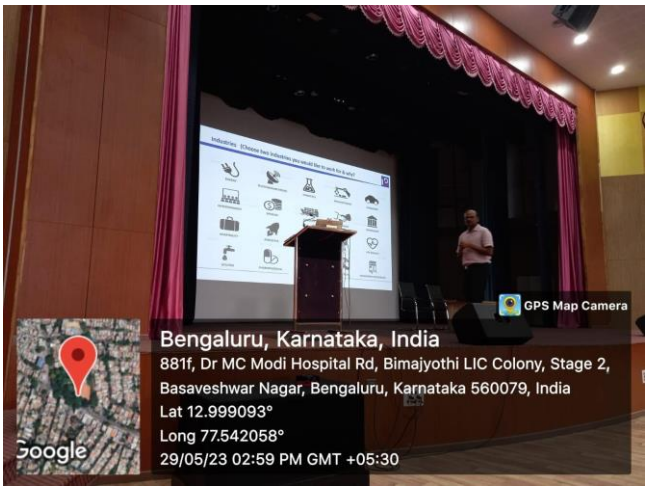
DAY 3:Session 1

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”

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"

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.

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A Report on

“Infosys Spring Board”-Ms Pruthvi

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

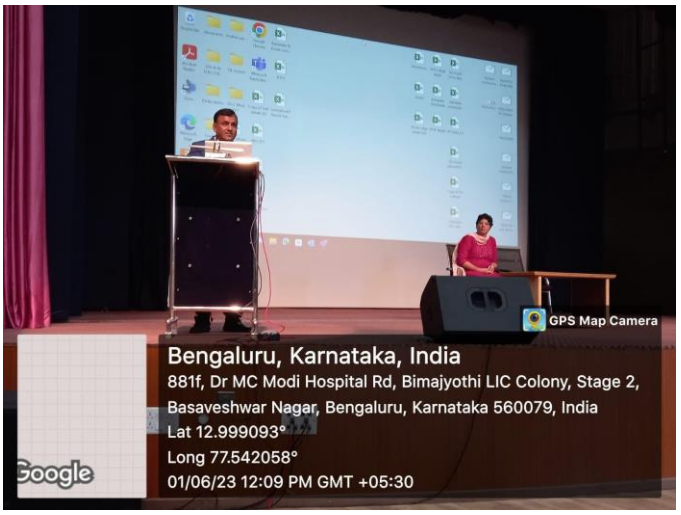
2. Infosys Springboard aims to enable students and associated communities from early education to employment by enabling them on digital and supporting life skills.

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.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DAY 6: Session 2

A Report on

"Energy Conservation and Green Buildings for Sustainability-B.E.E"

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)

Mahalakshmipuram, Bengaluru - 560 086.

In Association with

Bureau of Energy Efficiency (B.E.E)

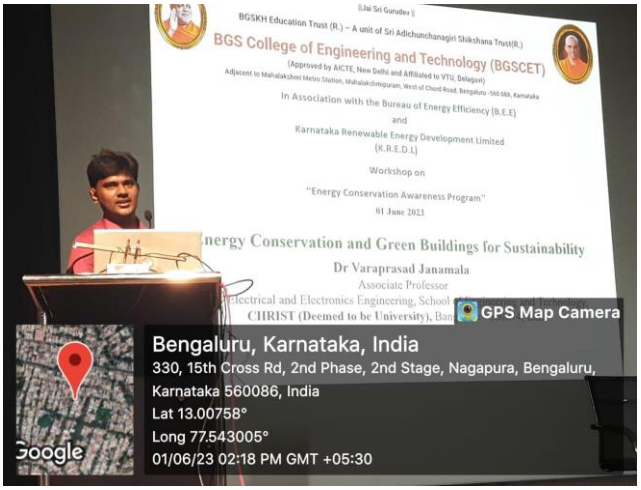
and

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**



A Report on

"Moral Values and Health"

DAY 7: Session 1

Session Name	**Moral Values and Health**
Resource Person	**Dr Neeraja N Kumar**
Date	**02.06.2023**
Platform	**Offline, Venue: BGSCET Auditorium**

The moral foundations of medicine are universal moral values, principles and norms. The highest moral values that provide the most general guidelines for the medical profession include goodness, compassion, mercy, freedom, duty, conscience, justice, and others.

ಕನ್ನಾರ್ಟಕ ಪ ಾತತ, ಮತ ಾ&ತ, ಪ&ಷತ **(&.)** u ಂಗಳmರು

***** ಾ.9ೀರ ಾ ಅವರು ವೃಃ ಯ8 ದ,ರು. ಪ,ವೃಃ ಯ8 ಕe- ಾ&ತ, ವ&,nಾಯ&,92ರ್ಾಪ&, ಸಹ 9 ರ್ಶ&, ಅನು ಾದ ತಂ, 9ಪ , ದಃ, ಸಮ ಂx, ಸ ಾ &, ರಾ&ೀe

*****&ೀಃx ಷ ಾ.ಎ ಎ ಧರ ದ,ಯ, **(**ಮನ ಾಸ ಾ, ಾ,ಪಕರು ಕ ಾಟಕ 9ಶ.9 ಾ,ಲಯ ಾರ ಾಡ**)** ಾಗೂ &,ೀಮಃ dೌಶಲ, ಧರ ಂದ,ಯ, **(**&&ಯ ಮ&ಃಾ ಾ&ಃ**)** ಅವರ ಸುಪ ಃ,.ಹುಬ, ಯ & ನ.8 ಎಂ.9.9.ಎ ಪದ9ಯನ ಪμಣxn ೂ ದ ಬ ಕ u ಂಗಳm&ನ ಾ. ನಾn ಂದ, ಕು2ಾರ ಅವರನ 9 ಾಹ ಾದರು. ಈ ದಂಪಃಗ n ಈರ್ವರು ಸುಪ ಃ,ಯ& ಾ .

*****u ಂಗಳm&ನ ಃಪ,ಸಂದ,ದ ತಮe ಆಸ,e ಯ dಾರ್ಯಗಳ ೂe n 9ನದತ ಾಯ ಚ&e, ನ& ನಾಪ ಾಣ ಎಂಬ ಎರಡು &ರು ಕೃಃಗಳನ ರ9 ಾ . ಮು9&,ೀ ತರುಣ ಾಗರರ 9 ಾ,%x ಎಂಬ ಕೃಃಯನ &ಂ8&ಂದ ಕನ ಡd ಅನು ಾ8 ಾ . ಮು9&,ೀ 9ನeಯ ಾಗರರ "ಸrಾ & 9ೀವಃ &ೀ"ಎಂಬ ಕವನ ಸಂಕಲನವನ ಇಂA ೀ c ಾ ಾಂತ& ಾ . ಮು9&,ೀ 9ನeಯ ಾಗರ &ಂ8 ಕೃಃಯನ ಮ 9 ಾಹ ಮತ ಪ&eಾಪಗಳG ಎಂದು ಕನ ಡd c ಾ ಾಂತ& ಾ .

*****ಪ,ಃ cಾನು ಾರ u n **9** &ಂದ **9:30**

ಚಂದನ ಾ&9ಯ8 ಪ, ಾರ ಾಗುವ,**220** ಸಂ9dಗಳನ ಪμ ದ

ರತತ,ಯ ಎಂಬ ಾ&xಕ ಾರ ಾ&ಯ 92ರ್ಾಪ& ಮತ 9 ರ್ಶ&ರಾA ಜನi, ಯ ಾA ಾ . ಇವರು ನ ಮ&ಃಾ ದಲ 9 ರ್ಶ& ಎಂಬ &ೀಃxಗೂ ಾತ, ಾA ಾ .

*ಇವರ ಹಲ ಾರು ೈದ,&ೀಯ 2ಾ&ಃಗಳ cಾಷಣ ಆdಾಶ ಾಃ uೆಂಗಳm&9ಂದ 9ತ ರn ೂಂ8 ಚಂದನ ದೂರದಶxನ ಾ&9ಯ8 ಇವರ ಉಪನಾ,ಸಗಳG ಪ, ಾರn ೂಂ8 .92ಾನಪ ರದ ಭ. ಮ ಾ9ೀರ 9ನಮಂ8ರದ8 ಮ ಾ9ೀರ ಸಂಘದ ೊe &9ರಗಳನು ನ dೊ9, ಾ . ದಶಲ ಣ ಪವx ಮತು ಪಂಚಕeಾ,ಣಗಳ8 ಇವರು ಾಜ,ದ 99ಧ ಕ ಮತು ೈ ಾಡು,&ಖರ9ೀಯ8 ಉಪ ಾ,ಸ9ೀ8 ಾ .

*ಎರಡು uಾ& ಕ ನಾxಟಕ ೈನ ಅ ೂೀ ಂೀಷಃ dಾಯxdಾ& ಸ&ಃn ನ ದ ಚು ನಾವ ೆಯ8 ಮ&ಃಾ ಪ,ಃ98ಂಾA ಚು ಾ&ತ ಾA ಾ .

* ಾ.9ೀರ ಾ ಅವರು ತಮe ಪಃ ಅವ ೂಡ ನ ಅ ನಕ ಉ9ತ ೈದ,&ೀಯ ಮತು ದಂತ ೈದ,&ೀಯ &9ರಗಳನು ಏಪx8 ಾ . ಪಃಯ , ೀeಾ,ಹ8ಂದe 9ನ ೀ ಮತು ಾ2ಾ9ಕ ೀ ೆಯನು ಸ8 ಸಲು ಾಧ, ಾ&ತು ಎಂದು ಅವರನು ತುಂಬು ಹೃದಯ8ಂದ ೆಯನಾನ .

*ಇವರು ಾ8nಾ,ಮ ೈನ &ತ, ಮಂಡ ಯ ಅಧ, ಾA, ಸು2ೀರು ೈನ ೌಂ ೀಶಃ ಅದರ ಪµವx ಉ ಾಧ, ಾA, ೈನ &ಲಃ ಈಸ, ಪµವx ಅಧ, ಾA ತಮe ೀ ೆಯನು ಸ8 2ಾದ& ವ,& ಂಾA ಾ .ಭೂ 2ಾತು ಎಂಬ ಆ ೈಃ ಪಃನಾ ೆಯ8 ಇವರ eೀಖನಗಳG ಪ,ಕಟ ಾಗುಃ . ,ೀ&ಂಃ 9,ೀ ಟೈಟ8 **blogs** ಬ ೆಯುಃ ಾ .

ಪ,ಶ ಗಳG: ಉದ£ೀನುeಖ ಕ9ಃ, ಪ,ಶ , n ೂಲ ಃ ಎಕ,e9, ಇಂಟ ಾ,ಷನe ಪ,ಶ , ಕನ ಡ ಾ&ತ ಪ&ಷಃ ನ ದಃ ಪ,ಶ , ಶೃತಸ ಂಧ dಾವ, ಗಣ ಮತು 9ನnಾನ ಸು ಾ ಗಣಗಳG ಸದ ಮx ಾ&8 ಪ,ಶ , ಾ&ತ, ಾ ಪ,ಶ , ೈನ 2ಾಧ,ಮ ಪ,ಶ (ದುuೈ), ಧಮx ಪ,cಾವನ ಪ,ಶ ಗಳG ಸಂ8 . ಹಲ ಾರು ಸಂಘ ಸಂ ಗಳG ಇವರನು ಸ ಾe9 .ಇಃ ೀr n ಸು2ೀರು ೈಃ ೌಂ ೀಷಃ ಾ.9ೀರ ಾ ಅವ&n *9 ೀಷ ಧಮx ಪ,cಾವ ಾ ಪ,ಶ 9ೀ8 ನ nೌರ9 .

*dೊ ೂಾ ಾ ೂೀಂ&ನ ಬn ಾಗೃಃ ಾಗೂ ರ ಕು&ತು ಅ&ವ ಮೂ8ಸುeಾ ಏi, e ,**2021**ರ8 ಕ ಾನಟಕ ೈಃ ಅ ೂೀ ಂೀಷಃ ವಃ&ಂದ ನ ದ ಲ dಾ ಉತ,ವದ8 ಸ&,ಯ ಾA ೀ ಸ8 ೈ ಎ9 dೊಂ8 ಾ .

* ಾ 9ೀರಜ ಅವರು ಇನ ಷು ಸ2ಾಜದ ೀ ೆಯ8 eೂಡಗ8 ಅವರ ಾಲಕರಂe &ೀರ್ಃವಂತ ಾA uೆಳಗ8

A Report on

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

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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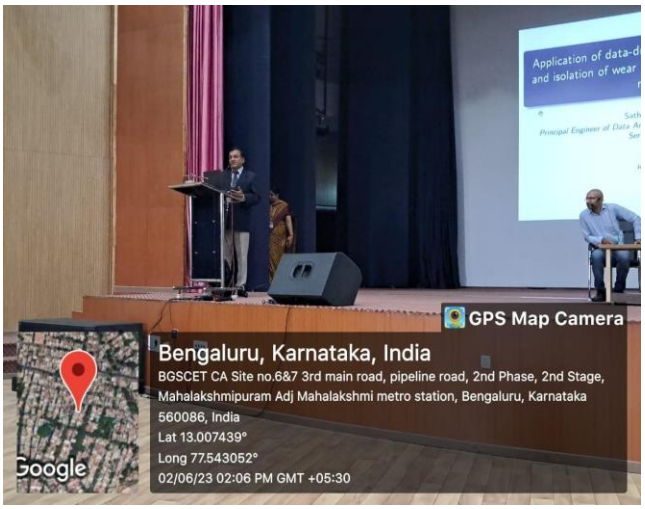
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Application of data-driven methods in detection and isolation of wear induced faults in Industrial robots
Sathish V., PhD
Principal Engineer of Data Analytics, Robotics Field operation and Services, ABB
June 2, 2023
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Bengaluru, Karnataka, India
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