



BANGALORE INSTITUTE OF TECHNOLOGY

K.R.Road, V.V.Pura, Bengaluru-560004

<https://bit-bangalore.edu.in/>



Rajya Vokkaligara Sangha (RVS)

VISION-2035

TECHNOLOGY FOR PROSPERITY



2035

STRATEGIC
PLAN

Dr. ASWATH M U
Principal, BIT

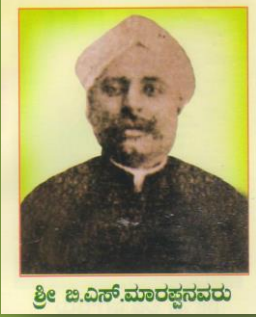
Sri. M. PUTTASWAMY
Chairman, GC-BIT

K.R.Road, V.V.Pura, Bengaluru-560004

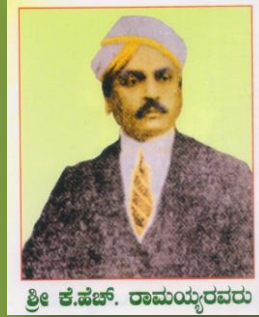
Promoters

- **Rajya Vokkaligara Sangha (RVS)**, a society of farming community.
- Established in the year 1906 with an intension of serving Socially, Educationally and Economically marginalized sections of farmers' community.
- Registered body under Co-operative Society Act.
- The Executive Committee members are elected for a period of 5 years across the state of Karnataka

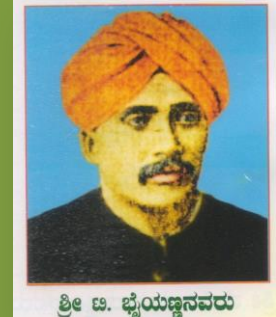
Visionaries



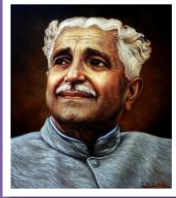
Sri. B S Marappa



Sri. K H Ramaiah



Sri. T Byanna



Foundation Stone laid by:
Rashtrakavi Kuvempu
Jnana Peetha and Padmabhushna
Awardee



Founder Principal
Dr.S. Ramegowda
1. Former Vice Chancellor
Karnataka University (2 terms)
Pondicherry Central University
2. Chairman AICTE, New Delhi

Acknowledgements

I place on record my deep appreciation and thanks to the Management, Governing Body members, Alumni, Parents, HODs, Deans, Associate Deans, Assistant Deans, Faculty, Staff and students for their valuable inputs and active participation towards formulating the “Strategic Development Plan”.

Dr.Aswath M U
Principal

Preface

I am very happy to present the **VISION-2035** and **STRATEGIC PLAN** for Bangalore Institute of Technology. This document provides the short term goals, long term goals, vision and mission of our organisation that will guide through the years up to 2035.

This document is developed over a period of three years by interacting with all the stakeholders viz; students, parents, alumni, Industry, research organisations, organisations of national importance, faculty and staff. The heads of the departments have conducted SWOC analysis (strengths, weakness, opportunity, and Challenges) in their respective departments to identify the focus areas and priorities. Feedback from the faculty and department heads has been considered in developing this document.

The Principal has conducted several meetings with HOD's, faculty and staff for the preparation of our organisation to get accredited as per the standards of NBA, NAAC, NIRF etc. Participation of HOD's, faculty and staff in the preparation of the documents for the accreditations and vision document is acknowledged. Guidance and Feedback was provided by the executive committee of the management of Rajya Vokkaligara Sanga. Many individuals have assisted in the preparation of this document.

The present industry and the society demand more from the higher educational institutes and hence we must relook at our thinking, our actions, and our way of education systems and skilling the future engineers. The world today needs new kind of engineering professionals with new skills, new competencies in specific areas and comprehensive proficiency in multidisciplinary subjects to integrate their knowledge in to functional systems.

In the days to come, we have to focus more on **Engineering Education towards Sustainability**. The 17 Sustainable Development Goals (SDGs) of United Nations cover social, economic and environmental dimensions of development. The focus of all these SDG's is to end the poverty in all its forms and dimensions. **Quality education is very essential and forms the foundation of sustainable development**. Quality education also enables self-reliance, boosts economic growth by enhancing skills, and improves

people's lives by opening up opportunities for better livelihoods. The 4th SDG is to “Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all.” The National Education Policy (NEP), 2020 is introducing several changes in the Indian education system and aims at making **“India a global knowledge superpower”**.

It is the responsibility of all of us in the education sector to participate actively in achieving the objectives stated above by the competent authorities. At BIT we are consciously involving ourselves in the process of educating the future engineers to face the challenges. We are constantly working to elevate our academic programs by creating teaching and research facilities. We are also in the process of recruiting eminent academic professors and research scholars from academia and industry who have been recognised nationally having international exposure. We have initiated the most essential centres of excellence, skill development centres, idea labs, start-up centre, incubation and innovation centres.

The main challenge is to train the faculty, prepare the engineers, researchers and engineering educators for the changing global requirements which is very dynamic. Keeping the industry and the future sustainability trends, the students graduating from our institute are trained in diverse knowledge and skills in the areas of their studies and will have a broad understanding of industry and societal needs. Their character will be nurtured and developed into a social engineer, a responsible citizen and a valued human being. With the support of highly qualified faculty members, supportive staff, sound placement achievements and excellent infrastructure facilities, BIT is committed to develop a community of learnt scholars for a better tomorrow.

Dr.Aswath M U

Principal
Bangalore Institute of Technology
K.R. Road, V. V. Pura
Bengaluru-560004

VISION



To establish and develop the institute as the center of higher learning, ever abreast with expanding horizon of knowledge in the field of engineering and technology with entrepreneurial thinking, leadership excellence for life-long success and solve societal problems.

Mission of the Institution

Mission

- 1. Provide high quality education in the Engineering disciplines from the undergraduate through doctoral levels with creative academic and professional programs.**
- 2. Develop the Institute as a leader in Science, Engineering, Technology, Management and Research and apply knowledge for the benefit of society.**
- 3. Establish mutual beneficial partnerships with Industry, Alumni, Local, State and Central Governments by Public Service Assistance and Collaborative Research.**
- 4. Inculcate personality development through sports, cultural and extracurricular activities and engage in the social, economic and professional challenges.**

Long Term Goals

- To be among top 3 private engineering colleges in Karnataka and top 20 in India.**
- To be the most preferred choice of students and faculty.**
- To be the preferred partner of corporate.**
- To provide knowledge through education and research in engineering.**
- To develop in each student mastery of fundamentals, versatility of mind, motivation for learning, intellectual discipline and self-reliance which provide the best foundation for continuing professional achievement.**
- To provide a liberal as well as a professional education so that each student acquires a respect for moral values, a sense of their duties as a citizen, a feeling for taste and style, and a better human understanding.**

Quality Policy

Striving to provide world class Technical education by anticipating and satisfying the changing requirements of technical, engineering knowledge and managerial skills of industry and institutions is specific and society In general

Achieving Excellence in Technical Education, Research and Consulting through an Outcome Based Curriculum focusing on Continuous Improvement and Innovation by Benchmarking against the Global Best Practices.

Core Values

Community, Innovation, Professionalism, Quality

Profile of Bangalore Institute of Technology

Bangalore Institute of Technology (BIT) was established in the year 1979 with the objective of providing quality education in the field of Technology and thereby serving the society. It has reached enviable levels of excellence in technical education. This was achieved due to the unconditional support of Rajya Vokkaligara Sangha, committed staff and students. The environment of BIT motivates the students to quench their thirst for knowledge. The college thrives to achieve the all-round development of the students.

BIT has always been at the forefront of modern technology and has the distinction of being the first College to introduce a full-fledged degree in Computer Science and Engineering in Karnataka. The institute has visualized the areas of future growth and incorporated various courses over the years. At present BIT has 10 undergraduate, 10 post graduate and 13 research centers. BIT has an annual intake of 1464 students. There are a number of centers carrying out inter-disciplinary research and many collaborative programs exist between the college and other professional institutions. BIT also has the Study center for IGNOU programmes.

BIT is proud to say that it has 289 faculty members with excellent knowledge and teaching calibre. 83 faculty members have PhD degree and 71 are pursuing PhD. Sixty percent of faculty members have served BIT for more than twenty years. The Institution has 294 efficient and committed team of supporting staff.

U.G. PROGRAMMES			
Sl. No.	Programmes	Estd. Year	Approved Intake (2020-21)
1	Civil Engineering	1979	180
2	Mechanical Engineering		180
3	Electrical & Electronics Engineering		60
4	Electronics & Communication Engineering		180
5	Computer Science & Engineering*	1981	180
6	Electronics & Instrumentation Technology	1982	60
7	Industrial Engineering & Management	1986	60
8	Electronics & Telecommunication Engineering	1992	60
9	Information Science & Engineering	2000	120
10	Artificial Intelligence and Machine Learning	2020	60
Total			1140

Sl. No.	P.G. PROGRAMMES	Estd. Year	Approved Intake (2020-21)
M. Tech			
1	M.Tech (Machine Design)	2003	18
2	M.Tech (Structural Engineering)	2003	18
3	M. Tech (VLSI Design & Embedded System)	2008	18
4	M. Tech (Computer Science & Engineering)	2008	18
5	M.Tech (Manufacturing Science and Engineering)	2013	24
6	M.Tech (Digital Electronics & communication)	2013	24
7	M.Tech (Computer Network Engineering)	2014	24
Total (M.Tech Programs)			144
8	MCA	1997	120
9	M.B.A	2006	60
Total (M.Tech + MCA+MBA)			324

Total Intake (UG+PG) 1464

Research Centers Recognized by VTU

Sl. No.	Departments	Estd. Year
1	Civil Engineering	2004
2	Mechanical Engineering	2004
3	Industrial Engineering and Management	2006
4	Computer Science and Engineering	2010
5	Information Science and Engineering	2011
6	Electronics and Instrumentation Engineering	2011
7	Electronics and Communication Engineering	2012
8	Electronics and Telecommunication Engineering	2012
9	Electrical and Electronics Engineering	2013
10	Chemistry	2000
11	Mathematics	2005
12	MBA	2013
13	Physics	2016

Road Map of BIT Fifteen Years - Strategic Plan

Strategic plan is an important tool for an Institute to manage itself effectively. The plan outlines the institute's goals to be achieved in academic, administrative and management field. Through the strategic road map, the Institute is committed to deliver excellence in education and nurture its dedicated faculty and aspiring students.

The Strategic Plan is drawn through many deliberations with all the Stake Holders - Management, Faculty, Staff, Industry, Students and Parents. During this process, Suggestions and feedback is also sought from Prominent Academicians and Alumni of Bangalore Institute of Technology.

Scientific Scanning of internal and External Environment is done through SWOC Analysis. Financial constraints and fund availability is one of the important parameters of Strategic Development Plan. Internal Revenue Generation has been given due importance. A Strategic Development Plan evaluation committee to monitor the progress on the collective efforts and timelines has been constituted, wherein; fine-tuning may be applied to the strategy, if required.

Utmost care has been taken to spell out the goals and implementation plans clearly, in order to achieve the desired outcomes. This aids in focusing our minds on the years ahead and to develop clarity regarding our objectives which is captured in the Vision and Mission statements of Bangalore Institute of Technology:

- **Strategic Thrust Areas**

Sl. No.	Area of Focus
1	Good Governance
2	University Status
3	Financial Acumen
4	Physical infrastructure
5	Teaching – Learning Practices
6	Library & Information Center
7	Roles of Teaching, Learning and Evaluation
8	Industry- Academia Practices
9	Research, Development & Innovation
10	Internal Quality Assurance Systems
11	Entrepreneurship and Incubation Center
12	Placement, Internships & Career development
13	Extra-curricular and Co-curricular Plan
14	Interaction with Alumni
15	Initiatives of Community Services

1.	Good Governance	➤ Monitoring and Evaluation of institutions performance to improve accountability ➤ Guiding and approving policy matters ➤ Service conduct rules and policies formulation, approval & implementation ➤ Grievance redressal mechanism ➤ Leadership development through decentralization ➤ Nominating Young Alumni to Governing Bodies
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2	University Status	➤ Initially move towards the Autonomous Status, by raising the Academic Status and Ranking of BIT ➤ Collaboration with Global Universities ➤ Showcasing the Academic and Educational Strengths
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3	Financial Acumen	➤ Create a pool for Institution Financial support by submitting Project Proposals to various Funding Agencies ➤ Thrive for total Financial Independence ➤ Focus on Research Grants from Private and Government Organization ➤ Commence Proficient UG & PG Online Courses
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4	Physical Infrastructure	➤ Well Equipped Smart Class Rooms ➤ Develop Excellent research facilities to promote innovation in the field ➤ Promote start-up culture by setting up a full-fledged Incubation Center ➤ Encourage the spirit of Entrepreneurship among students ➤ Well-designed parking lot access for safe and efficient movement of vehicles ➤ Good Hostel accommodation for the Stake holders ➤ Green Campus Initiatives ➤ Enhance both Indoor and outdoor Sports Facility ➤ Ensure effective utilization and maintenance of Infrastructure
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5	Teaching – Learning Practices	➤ Formulate and Implement Quality Teaching Methodologies to ensure Student-Centered Processes ➤ Emerge as a recognized Tier 1 Institution in the fields of Engineering and Management ➤ Design Curriculum as per all Graduate attributes and Expectations of Stake holders ➤ Benchmark with Industry requirements ➤ Depute faculty and staff for competence development ➤ Encourage and Support paper publications and presentations ➤ Mentor on Academic, Career & Higher Educational opportunities Globally ➤ Create a good Feedback system and assess continuous progress ➤ Provide opportunities for Networking
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6	Library & Information Center	➤ Library Infrastructure up gradation ➤ Resources Automation & 24/7 Access ➤ Digitization of Library Resources ➤ Establishing Cloud based e-library
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7	Roles of Teaching, Learning and Evaluation	➤ Create Modern Teaching aids and improve the Learning Skills ➤ Organize Special Classes for rural students for improving their Understanding Levels and Communication Skills ➤ Assessment to be a lens for understanding student learning, identifying invisible barriers, and aiding to improve Teaching Methodologies
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8	Industry - Academia Practices	➤ Motivate the faculty to remain exposed to the Industrial processes & activities ➤ Provide students with a deep working knowledge of fundamentals in areas related to the field to address needs of the Industry and Society ➤ Collaboration with Industry, National and International Universities to upgrade the Teaching-learning Methodology and Research activities.
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		➤ Set up Industry assisted Laboratories/ Skill Development Centers/ Centre of Excellence ➤ Encourage students to get involved in projects with Other Universities to enhance their Technical Skill as well as exposure to Trending areas in the Market ➤ Prepare students in identifying new problems and arrive at providing Innovative Solutions for Real World Problems.
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10	Internal Quality Assurance Systems	➤ Encouraging Faculty Members for registering /completion of the Ph.D. program and enrolling for Post-Doctoral studies ➤ Obtaining Autonomous Status ➤ Revenue Generation by offering Projects & Internships through Centre of Excellence and MoUs ➤ Motivate Students to appear for Competitive Exams ➤ Facilitating Faculty exchange programs ➤ Have Collaboration with reputed National Institutes like IITs, IIMs and Research Organizations ➤ Obtain International Accreditation ➤ Attract students from Foreign Countries to pursue their Research in our Organization ➤ Train Faculty to be resourceful to Companies and hence Collaborate with Industry through Consultancy ➤ Start On-line transfer of Knowledge in appropriate Technology by means of establishing multipurpose Resource Centers ➤ Focus on Interdisciplinary Courses and Programs
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11	Entrepreneurship and Incubation Center	➤ Dissemination of Success Stories of Alumni or others as Entrepreneurs ➤ Formal training on Entrepreneurship for Students and Faculty ➤ Collaboration with Government and Non-Government Organizations to share our Entrepreneurial Infrastructure for Training and Consultancy
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12	Placement, Internships & Career Development	➤ Imbibe Technical, Managerial & Soft skills in Students as per the Industry Requirements ➤ Study-abroad Programs, Internships, and Projects at Universities/Organizations Globally ➤ Plan for International Placements ➤ Continuous Branding of the Institute through Success Stories
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13	Extra-Curricular and Co – Curricular Plan	➤ Motivate Students to explore their Natural Talents and learn new Skills ➤ Encourage Students and Faculty Achievers through Rewards ➤ Start various Hobby Clubs which can be Fun Oriented too
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14	Interaction with Alumni	➤ Increase Networking Interactions between Students and Alumni ➤ Facilitate Student mentoring by Alumni through Industrial visits, Seminars, Guest lectures etc. ➤ Start-up Laboratories in association with Alumni
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15	Initiatives of Community Services	➤ Social Entrepreneurial Projects in Villages and Small towns. ➤ Provide Health support to the needy ➤ Educate Rural Students ➤ Financial Assistance to poor and bright students
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EXPECTATIONS OF THE STAKE HOLDERS

Stakeholders' Expectations

1. Management

- Institution Branding
- Good Governance
- University Status
- Social Responsibility

2. Leadership Team

- Competent Faculty
- NEP Implementation
- Setting up Centre of Excellence
- Programs for Industry oriented education
- Bench marking through Accreditation of programs

3. Faculty & Staff

- Good academic & working environment
- Career growth, Research facilities & incentives
- Academic independence with accountability
- Transparency and uniform processes
- Implementation of 7th Pay Commission

4. Students

- Good academic & research ambience
- Support for co-curricular & Extra-curricular activities
- Quality infrastructure
- Experiential learning & Opportunity for talent exposure
- Quality Placement, career guidance and entrepreneurial opportunities
- More Interactions with Seniors and Alumni
- Fewer Assignments and Contact Hours

5. Parents

- Quality teaching and learning
- Holistic Development of their Wards
- Good placement Opportunities

6. Industry

- Industry ready professionals
- Strong Industry-Institution interaction
- Collaborative research, consultancy

7. Society and Others

- Graduates with Social Responsibility
- Resource Centre for other institutions
- Consultancy and Continuing education Programs
- Social service activities by the institution

SWOC Analysis

SWOC Analysis

Strengths ➤ Accredited by NBA and NIRF Rankings ➤ High Commitment Management ➤ Nearing Five Decades of Existence ➤ Located in the Heart of the City ➤ Highly Qualified & Experienced Faculty Members ➤ High Retention of Faculty and Staff ➤ Well Equipped Laboratories ➤ Excellent Infrastructure ➤ Active Training and Placement Centre ➤ Research Centres & Publications ➤ Excellent internships & placements ➤ Industry Institute Interface ➤ Strong Alumni Network ➤ UG, PG and Management Courses	Weaknesses ➤ Limited Scope to Modify the Curriculum ➤ Limited Parking Space ➤ Lack of outdoor Playground ➤ Non- Uniformity in Policy Matters ➤ No provision of visiting/ adjunct/ Emeritus faculty. ➤ Publications limited in quality journals ➤ Sponsored projects, consultancy and Patents ➤ Lack of dissemination and understanding of HR policies, incentives etc. ➤ Lack of clarity of Role-responsibility and accountability ➤ Industry Specific Labs
Opportunities ➤ IT Hub ➤ Student and Faculty Exchange Program ➤ Open Learning System ➤ MOU ➤ Autonomous and University Status ➤ Community Service ➤ Strengthening collaboration with industry ➤ Funded projects	Challenges ➤ Heterogeneous Learners ➤ Creating Sustainable Solutions ➤ Funded projects ➤ Consultancy ➤ Projects on thrust areas ➤ Skill Development ➤ Recruitment of Quality faculty ➤ Striking a balance between Academic, and Research ➤ Achieving 100% Placements ➤ Publishing Papers at Reputed/Indexed Journals ➤ Obtaining Patents ➤ Creating an Environment for Quality Research