



# IQAC

## Annual Report

### 2022-2023



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# INSTITUTE PROFILE

**Bannari Amman Institute of Technology** is an Autonomous, Self-financing Engineering College, Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai. The spacious and earth-hugging buildings punctuated with landscaped courtyards and pathways are designed to emphasise the business ethics and or characteristics of an excellent centre for learning.

**IQAC** In pursuance of its Action Plan for performance evaluation, assessment and accreditation and quality up-gradation of institutions of higher education, the National Assessment and Accreditation Council (NAAC), Bangalore proposes that every accredited institution should establish an Internal Quality Assurance Cell (IQAC) as a quality sustenance measure. In this regard, The IQAC was established in the college during the year 2009. Since quality enhancement is a continuous process, the IQAC will become a part of the institution's system and work towards realisation of the goals of quality enhancement and sustenance.





## A. Objectives of IQAC

- To develop a system for conscious, consistent and catalytic action to improve the academic and administrative performance of the institution.
- To promote measures for institutional functioning towards quality enhancement through internalisation of quality culture and institutionalisation of best practices.

## B. Vision & Mission of the Institute

### Vision

To be a centre of excellence, providing world-class education that transforms individuals into intellectual, empathetic and responsible citizens.

### Mission

- To provide top of the line infrastructure that is most conducive for learning.
- To engage committed members of faculty who will infuse subject knowledge with latest teaching pedagogies.
- To provide state-of-the-art facilities to the members of faculty and student fraternity to access and engage in diligent research.
- To collaborate the best minds in the industries with the academia of the college thereby empowering the students to meet the global standards.
- To create an enterprising environment for a continual progress and change that respects heterogeneity.

## C. Functions of IQAC

- Development and application of quality benchmarks.
- Parameters for various academic and administrative activities of the institution to develop a system for conscious, consistent and catalytic action, to improve the academic and administrative performance of the institution.
- Facilitating the creation of a learner-centric environment conducive to quality education and faculty maturation to adopt the required knowledge and technology for participatory teaching and learning process.
- Collection and analysis of feedback from all stakeholders on quality-related institutional processes.
- Dissemination of information on various quality parameters to all stakeholders.
- Organization of inter and intra-institutional workshops, seminars on quality-related themes and promotion of quality circles.
- Documentation of the various programmes/activities leading to quality improvement.
- Acting as a nodal agency of the Institution for coordinating quality-related activities, including the adoption and dissemination of best practices.
- Development and maintenance of the institution's database through MIS to maintain/enhance the quality of the institution.
- Periodical conduct of Academic and Administrative Audit and its follow-up.
- Preparation and submission of the Annual Quality Assurance Report (AQAR) as per guidelines and parameters of NAAC

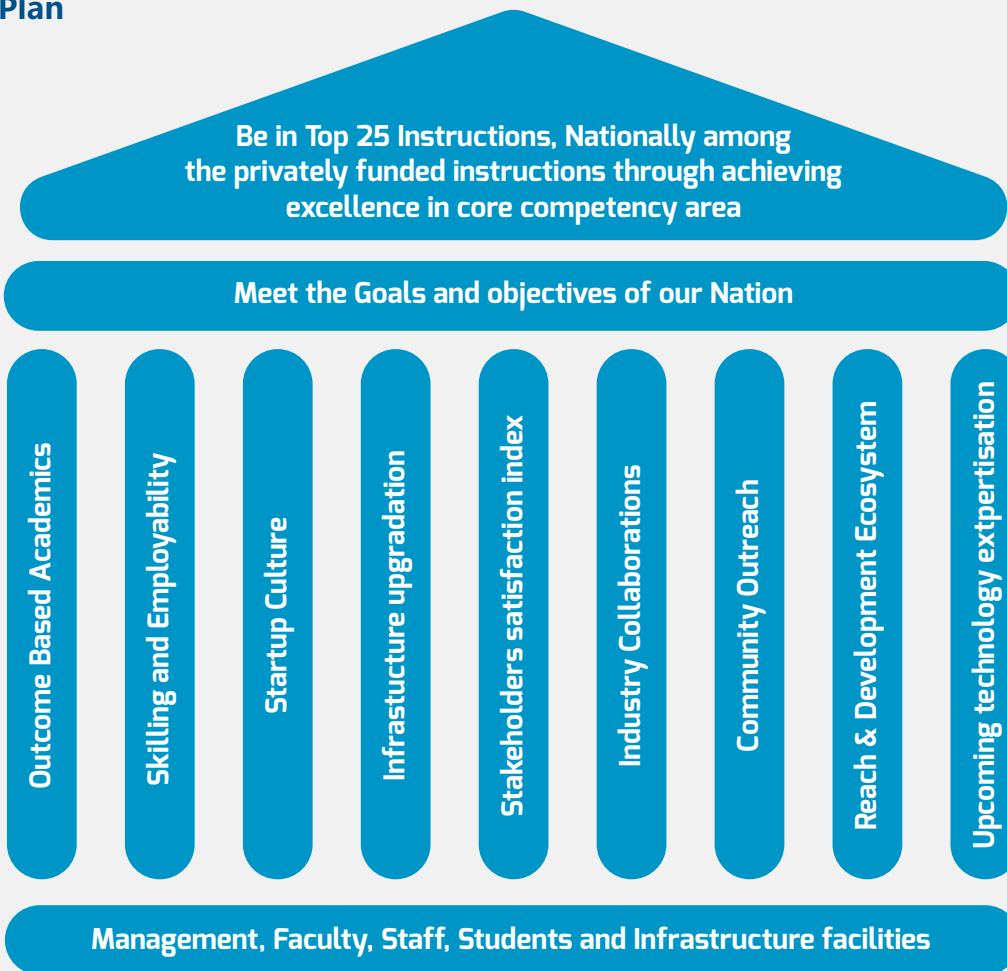
RESEARCH PARK







## D. Strategic Plan



The Strategic Plan (SP) of Bannari Amman Institute of Technology aims to leverage the strengths of the Institute that have been developed over a period of time, and the capabilities of those that are confident enough to develop in coming years. BIT's strategic plan includes nine major factors given below.

## E. The composition of the IQAC (2021-23)

Sl.No	Name of IQAC Members	Designation
1	Dr Palanisamy C	Chairperson
2	Dr Ramesh Kumar T	Head - IQAC
3	Dr Sivakumar K	Senior Administrative Officer
4	Dr Bharathiraja M	Senior Administrative Officer
5	Dr Senthil Kumar K L	Senior Administrative Officer
6	Dr Bharanikumar R	Senior Administrative Officer
7	Dr Senthil Kumar G	Teacher: Controller of Examinations
8	Dr Ravikumar M	Teacher: Incharge - Infrastructure vertical
9	Dr Poongodi C	Teacher: Incharge - Autonomy Affairs
10	Dr Ramesh C	Teacher: HoD - Computer Technology
11	Dr Daniel Madan Raja S	Teacher: HoD - Information Technology
12	Mr Vijayakrishnan S	Teacher: Training and Placement Officer
13	Mr Sundar S	Teacher: Incharge - Special Laboratory
14	Dr Gunasekaran M	Teacher: Librarian
15	Dr Sampathkumar B	Nominee from the management
16	Mr Sivaraj N	Nominee from Local Society
17	Mr K S K Singaravelan K S K	Nominee from Alumni
18	Mr Kannan Paul Raj	Nominee from Employers
19	Mr Geethnarayanan B	Nominee from Industrialists
20	Mr Ponnusamy P	Nominee from Stakeholders (Parent)
21	Ms Mithra B	Nominee from Students

# IQAC INITIATIVES

## NATIONAL BOARD OF ACCREDITATION

### MOCK AUDIT



- The Mock Expert Team visit was conducted for the departments of Agri, Auto, Mechatronics, EIE and IT on 10.11.2022 and 11.11.2022. Two reviewers were allotted for each department and the audit report was prepared with the remarks.
- In continuation of the preparation for the NBA committee visit, the Mock audit was conducted for the EEE department on 14.11.2022. The PPT, documents and proofs for the data submitted to the NBA were verified by the reviewers and the suggestions were given



- In connection with preparation for the NBA Accreditation, an updated SAR review was conducted for the departments of Agri, Auto and Mechatronics on 26.08.2022 and the remarks were shared with the departments.
- In continuation of the preparation for the NBA committee visit, SAR Proof Verification Audit was conducted on 16.09.2022. The submitted documents and proofs for the NBA were verified during the Audit.

- Program - wise mock review was conducted for the departments of Agri, Auto, Mechatronics, EIE and IT by the M-Team members from 21.11.2022 to 23.11.2022. During the audit, the HoD's Presentation, Faculty Interaction and Important P-Files, Sponsored Research, Consultancy, Publications, Program Budget & Utilizations were verified followed by the Lab Visit.
- A criteria-wise SAR review was conducted for the departments of Biotech, CSE and ECE by the M-Team members on 25.04.2023. The prepared SAR report was presented by the HoD's and the guidelines for preparing the necessary documents was shared by the M-Team Members



### NBA EXPERT TEAM VISIT

- National Board of Accreditation team, visited BIT to accredit the various departments, Electrical and Electronic Engineering, Electronics and Instrumentation Engineering, Information Technology, Agricultural Engineering, Mechatronics Engineering, and Automobile Engineering from 2-3, December - 2022.



- The NBA team verified the 'Criteria and Programme Specific files' of the departments prepared by the faculty members and suggestions were provided for improvements in the teaching-learning process. Also they observed the classroom teaching and personally interacted with students, Parents and Alumni members.
- As per the onsite evaluation conducted by the NBA expert Team on 2-3, December 2022, the 3 years Accreditation was approved for the departments of Auto, Mechatronics, Electrical and Electronic Engineering, Electronics and Instrumentation Engineering, Information Technology and 6 years accreditation for the Agricultural Engineering department on 13.02.2023.

## COMPETENCY TRAINING



The IQAC Students and Faculty Competency (SFC) vertical organised a training programme on the "Personality Development Programme" at the Civil Conference Hall for BIT-Security Guards on 19.07.2022 and 20.07.2022 from 2.00 PM to 4.30 PM. The session was handled by Mr. A.Sibi John, AP-II / SMS. A total of 48 security guards attended the training.



The one-day training on "Safety Training Programme" was organised by the Students and Faculty Competency team for 20 Non-teaching staff members on 09.07.2022. Dr.K.Muthukumar, Professor / Mechanical Engineering has trained the attendees on lab safety protocol, How to use fire extinguishers, How to work with electric and mechanical types of machinery, the safe handling of hazardous chemicals, and disposal measures. The outcome of the training involves a basic understanding of the science of fire, Working principles of fire extinguishers to control it, different equipment available to control fire, How to react during fire accidents and lab safety.



A Two-day training programme on Google Forms and Ms Excel was conducted by Ms M.Vaishnavi, AP/CSE, Ms.E.Kalaivani, AP/CSE from 15.07.2022 to 16.07.2022 for 10 Interns. The training schedule includes the usage of Google forms-creation and evaluation, Google sheet-basic functions, Google sheet advanced functions, common and most needed operations in word documents



A Two-day Personality Development Program - Slot 4 was conducted by Mr.A.Sibi John, AP-II / SMS from 19.07.2022 & 20.07.2022 for 48 staff Security Guards. The session helps to know their Rules & Responsibilities by enacting the scenarios, how to communicate effectively and communication addressing the overview on body language, how to communicate effectively, communication etiquettes and positive attitude.





A one-day training on "Safety Training Programme" was organised by the Students and Faculty Competency team for 17 Non-teaching staff members on 13.08.2022. Dr.K.Muthukumar, Professor / Mechanical Engineering has trained the attendees on lab safety protocol, How to use fire extinguishers, How to work with electric and mechanical machineries, Safety handling of hazardous chemicals, and disposal measures. The outcome of the training involves basic understanding behind the science of fire, working principles of fire extinguishers to control it, different equipment available to control fire, how to react during fire accidents and lab safety.



A one day training on "Pivot Table" was organised by the Students and Faculty Competency team for 21 Non-teaching staff members on 20.08.2022.

Dr.S.Murugappan, Professor/SMS trained the attendees on Basics of MS Excel, operations of Pivot Table and Power query in Pivot Table. The session helps to have an overview of data manipulation and validation using pivot tables.



A one-day Personality Development Program - Slot 5 was conducted by Mr.A.Sibi John, AP-II / SMS on 15.10.2022 for 30 staff Security Guards. The session helps to know their Rules & Responsibilities by enacting the scenarios, how to communicate effectively and communication addressing the overview on body language, how to communicate effectively, communication etiquettes and positive attitude



A one-day training on the "Safety Training Programme" was organised by the Students and Faculty Competency team for 15 staff drivers on 03.11.2022.

Dr.K.Muthukumar, Professor / Mechanical Engineering trained the attendees on lab safety protocol, how to use fire extinguishers, how to work with electric and mechanical machineries, safety handling of hazardous chemicals, and disposal measures. The outcome of the training involves basic understanding behind the science of fire, working principles of fire extinguishers to control it, different equipment available to control fire, how to react during fire accidents and lab safety.



A training on "Mess Workers" was organised by the Students and Faculty Competency team for 24 mess workers on 11.11.2022.

Ms.S.Caroline Vinneta AP/BME, Ms.Mercy AP/EEE trained the attendees by providing explanations on general food safety and mess hygiene activity.



A ten-days training on "Photography" was organised by the Students and Faculty Competency team for 05 Non-teaching staff on 21.11.2022 to 10.12.2022. Mr. Sivakumar, trained the attendees on basics of camera operations, Still & video camera settings, Angle of view and covering of events.



The training in "Workshop on Outcome Based lesson plan preparation" for faculty members was conducted on 13.12.2022. The session was instructed by Dr.D.Deepa, Professor & HoD / BME. A total of 34 faculty members actively participated in the program and created a new lesson plan for a topic as per skill team instructions and it will be scrutinised by department skill coordinators and feedback was given based on their creation. The training includes Introduction to workshop, lesson plan preparation for topic, discussion on guidelines to be followed for lesson plan preparation, vetting of lesson plan by evaluators and feedback from evaluators.



The training in " Workshop on Outcome Based QP preparation" for faculty members was conducted from 13.12.2022 to 15.12.2022.

The session was instructed by Dr.D.Deepa, Professor & HoD / BME. A total of 15 faculty members actively participated in the program and created a new QP for 3 units as per skill team instructions and it will be scrutinised by department skill coordinators and feedback was given based on their creation



The training on "Mess Workers" was organised by the Students and Faculty Competency team for 24 mess workers on 19.01.2023.

Ms.S.Caroline Vinnedia AP/BME and Ms.P.Mercy AP/EEE have trained the attendees on Introduction To Mess Cleanliness, Explanation of general food safety and mess hygiene activity.



A one-day training on "CO-PO" was organised by the Students and Faculty Competency team for 50 teaching Faculty members on 03.02.2023.

Dr.G.Srinitya, AP-III / IT, Mrs.R.Geethamani, AP-II / Civil has trained the attendees on Process of fixing target & CO-PO Mapping, Calculating CO Attainment, Calculating PO Attainment and process of conducting remedial classes





A One-day training on “Workplace Ethics” was organised by the Students and Faculty Competency team for 26 Non teaching Faculty members on 16.02.2023. Dr.S.Murugappan, Professor/SMS has trained the attendees on introduction to workplace ethics, discussion on personality development, behavioural concepts in an organisation and with higher officials.



A One- day Industrial training on “Calibration and Troubleshooting of Medical Equipment” was organised by the Students and Faculty Competency team for 13 Non teaching Faculty members from ECE, EIE, EEE and BME departments on 18.02.2023 in Prashan Medical technologies, Coimbatore.

Mr.Boopathy, MD / Prashan Medical Technologies has trained the attendees on Industrial training on calibration and troubleshooting of medical equipment and Testing and assembly of medical equipment



A one - day hands-on training in “Fire Safety & Fire Extinguisher” was organised by the Students and Faculty Competency team for 130 Non-teaching staff members on 22.02.2023.

Dr.K.Muthukumar, Professor / Mechanical Engineering and trained the attendees on lab safety protocol, how to use fire extinguishers, The outcome of the training involves a basic understanding of the science of fire, working principles of fire extinguishers to control it, different equipment available to control fire, and how to react during fire accidents.



IQAC-Students and Faculty Competency Development Vertical organised a training program on “Adobe Photoshop & Illustrator” for Non-Teaching Staff from 06.03.2023 to 10.03.2023. Mr.Karunakaran, Graphic Designer, Information Technology trained the Non-teaching staff to create daily new activities, graphics design and template creation using MS Publisher and Adobe Photoshop.



IQAC-Students and Faculty Competency Development Vertical organised a training program on “Software Installation & Hardware Troubleshooting” for Non-teaching Staff on 29.03.2023. Mr.RMuthukumar, the System engineer handled the session on how to install software based on user requirements & how to handle the hardware troubles during the session.



IQAC-Students and Faculty Competency Development vertical organised a training on Food Safety and Cleanliness for mess workers on 20.04.2023.

Ms.P.Mercy, AP-III/EEE & Ms.S.Caroline Vinneta, AP/BME handled the training for women mess workers and talked about hygiene and safety measures during the session.



A one - day hands on training on "Fire Safety & Fire Extinguisher" was organised by the Students and Faculty Competency team for Electricians & JRC students on 21.04.2023. Mr.A.Loganathan, Managing Director / GFS Engineering Solution, Coimbatore has trained the staff members on how to use fire extinguishers. The outcome of the training involves a basic understanding of the science of fire, working principles of fire extinguishers to control it, different equipment available to control fire and how to react during fire accidents.

## OUTREACH PROGRAMMES



School Students from Tiruppur and Gobi along with their parents paid a visit to BIT Campus on April 15, 2023. A total of 65 students experienced hands-on training in ABL concept, Science concept, Drone Technology, Robotics and Game development.



School Teachers from Tirupur and Erode paid a visit to the BIT Campus on April 21, 2023 and April 22, 2023. A total of 78 teachers experienced hands-on training in Experiential Learning of Science Concepts, Robotics & Drone Technology, Artificial Intelligence, Mobile App Development and Presentation tools



School Teachers from Salem, Tiruppur, Erode, Sathy and Coimbatore paid a visit to BIT Campus on May 12, 2023 and May 13, 2023. A total of 180 teachers experienced hands-on training in Artificial Intelligence, Robotics, Mobile App Development, Experiential Learning of Mathematics, Science presentation Tools and Content Preparation for English.



## CONSULTATIVE WORKSHOP



The consultative workshop is scheduled from 15.03.2023 to 16.03.2023. Dr M Vijayabaskar, Member, State Planning Commission (SPC), Government of Tamil Nadu and Dr M P Vijayakumar, IAS (Retd), Trustee, BIT welcomed all the members for the Consultative workshop and set the context of the meeting. The important indicator for quality of education pertains to the quality of evaluation. In this regard, SPC proposes to undertake an evaluation of question papers in the humanities, social science, natural science and engineering drawn from a representative set of universities along with the panel of experts. The Bannari Amman Institute of Technology (BIT), Sathyamangalam will undertake the evaluation of Engineering course examinations.

## INAUGURATION PROGRAMME



The inauguration Programme for the first year B.E./B.Tech 2022 of our institute was held on 09.11.2022 in the BIT Auditorium. The Principal Dr C Palanisamy welcomed everyone for the inaugural function. Our Honourable Chairman Thiru S V Balasubramaniam during his presidential address pointed out that the institute has enough infrastructure and qualified members of faculty to train the students to become either successful entrepreneurs or to get a high profile job in any kind of industry. He insisted the students should think beyond what they are today, work hard, grasp the opportunities and be passionate about attaining their desired goals to lead a successful life.



Bannari Amman Institute of Technology conducted an orientation programme on "Future Engineering" by Mr Jayaprakash Gandhi, Career Consultant & Analyst, Salem for First year B.E. / B.Tech. students on 07.12.2022. In this programme, our beloved principal Dr C Palanisamy led off the program by introducing the chief guest of the day. The Chief Guest expounded about current technologies like CARBON language from Google and expressed some technologies in Quantum Computing, Blockchain certification programs and Parallel Reality which will fascinate the technological digital world.



Bannari Amman Institute of Technology, Sathyamangalam, and Muthamizh Mandram collaboratively organised and celebrated the Tamizh harvest festival "Pongal Festival-2023" on January 12, 2023, from 7:00 a.m. to 7:30 p.m. The celebration was begun in the presence of Dr S V Balasubramaniam, Chairman, Dr Ramani, Founder of Sankara eye foundation, Dr Thangavel, Dr Venkatasamy, Dr Vijayakumar M P, Trustee, Dr Palanisamy C, Principal, and Dr Sivakumar K, Bannari Amman Institute of Technology, Sathyamangalam and Muthamizh Mandram collaboratively organised and celebrated the Tamizh harvest festival "Pongal Festival-2023" on January 12, 2023, from 7:00 a.m. to 7:30 p.m. The celebration was begun in the presence of Dr S V Balasubramaniam, Chairman, Dr Ramani, Founder of Sankara eye foundation, Dr Thangavel, Dr Venkatasamy, Dr Vijayakumar M P, Trustee, Dr Palanisamy C, Principal, and Dr Sivakumar K, Dean-PDS. Various events were conducted for the students and the faculty members. The students of BIT, teaching and non-teaching staff along with their families participated and celebrated the festival.



On the occasion of International Women's Day, the Women Development Cell (WDC) of BIT has organised fun events for teaching and non-teaching women faculty members on 28.02.2023 at Main Auditorium by 2 PM. Three events such as Lucky Corner, Musical Ring, and Musical chair have been conducted, around 200 women faculty members have participated out of which 9 faculty members have won prizes.



Youth Red Cross of Bannari Amman Institute of Technology organised A Rally on 18.07.2022 in Sathyamangalam from SRT Corner To Vadukapettai Panchayat School for Traffic Awareness. The Event was inaugurated by Mr Jayabalan, DSP/Sathyamangalam. A brief explanation about the importance of traffic awareness was given. During the Rally,, YRC volunteers are shouting about the traffic awareness slogans. Finally, the event comes to an end at Vadukapettai Panchayat School. The Traffic police delivered a few words about traffic awareness for our YRC volunteers.



NSS Team of BIT in association with the municipality members (Headed by Municipal Commissioner, Sathyamangalam) conducted an awareness Rally at Rangasamudram, Sathyamangalam, Erode(Dt). The villagers insisted on segregating compostable and non compostable waste before disposal. The importance of 3R Principle; Reduce, Recycle and Reuse is also demonstrated through skits.





NSS-BIT conducted the lavatory inauguration at the Ramabayalur school, constructed during the camp held at Ramabuyalur, on 15/07/2022.

The volunteers and the POs reached the campsite at 10 AM and started the arrangements for inauguration. Cleaning, fencing, decoration and stage works were carried out. in the presence of Ramabayalur people, School Headmaster, staff and NSS volunteers. The chief guests inaugurated the school lavatory. 25 volunteers, NSS program officers along with around 30 village people made the event successful.



The former chief minister of Tamil nadu Shri K. Kamarajar birth anniversary is observed as Tamil nadu's educational development day. The day aims to remind people about his contribution to boosting the school education facilities of Tamil nadu state. In lieu of this, NSS-BIT organised a tech expo for middle school students at government school, Ramabayalur on 15.07.2022 (10.00 AM to 04.00 PM). Prizes were distributed to the students for the various competitions conducted in the presence of block education officers, Sathyamangalam, panchayat president, Ramabayalur, School principal and teachers. 20 volunteers, NSS program officers along with 12 village people made the event successful.



Van Mahotsav Week (01.07.2022 to 07.07.2022, festive of forests) was celebrated to promote the concept of growing plants and enriching the forests, which has been celebrated during the 1st week of July throughout India. This sapling plantation event is to promote a greener environment under the tag grow green NSS-BIT. Volunteers from various years have made their contribution by planting a sapling in their houses. Their photos were collected and uploaded in the instagram page. Nearly 625 saplings were planted this week under this event



NSS Team of BIT in association with the municipality members (Headed by Municipal Commissioner, Sathyamangalam) conducted an awareness Rally at Rangasamudram, Sathyamangalam, Erode(Dt). The villagers insisted on segregating compostable and non compostable waste before disposal. The importance of 3R Principle; Reduce, Recycle and Reuse is also demonstrated through skits.



In view of World Nature Conservation day on 28th July and Dr A P J Abdul Kalam's remembrance day on 27th July, the LEO club of BIT has organised sapling plantation event at koonamoolai panchayat, sathyamangalam to create and promote awareness on conservation of trees. Erode cauvery lion's club ex president Lion K C Krishnamoorthy, Lion R K Shanmugham, Bannari amman rural foundation Lion Kolanthaivelu and president of konamoolai panchayat

Mr Kumaresen have joined their hands in this noble cause. Around 50 LEO student volunteers effectively planted 300 saplings of various varieties in the banks of bhavani river. The entire event was coordinated by the faculty incharges Dr.P.Subhapriya and Dr.K.Sadasivam.



Sixty-Five BIT-NCC cadets from 2TN CTC and 5th girls battalion-army wing of our girls and boys students completed an awareness rally about the "Importance of bicycle usage" as an environmental friendly on the occasion of world bicycle day on 03.06.2022. The program was organised by Lt Dr M Malathi, Associate NCC officer, AP-III / Chemistry, and Dr K Nijanthan, AP-II / Mechatronics.



NSS-BIT organised a seminar on 10.08.2022, wednesday in the most wanted topic "Snake bite rapid action and its precaution". This seminar was taken over by our honourable guest Dr.Sakthivel Vaiyapuri.

During the seminar, he showered a lot of useful information about snake bites and their Precaution activities. He also provided awareness to young minds regarding snake bites. Our NSS program officer also delivered a few words on this concerned topic. Almost 39 NSS volunteers of BIT attended this valuable seminar



UBA-BIT has planned to conduct an event for school students on behalf of celebrating "Azadi ka Amrit Mahotsav", "Har Ghar Tiranda" 75th year of independence. The event went successfully with the help of our UNA volunteers, UBA co-ordinators Dr.V.N.Vijayakumar and Dr.R.Praveena. As per plan, volunteers conducted three events: Essay writing, Oratory and Quiz competition for the students of class 6-9. From each event they have selected top 2 students based on their performance & other criteria. Selected students have been encouraged by our co-ordinators & their school headmaster for their cherishable performance and they will be going to coimbatore with our UBA co-ordinators on august 15, 2022.





Makkal Sindhanai Peravai Club of BIT has conducted an event called "Puzzler" from 22.08.2022 to 24.08.2022. In this regard, 165 students out of 500 registered have attended round 1 "Aptitude" and then 56 shortlisted participants have attended round 2, group discussion and topic elaboration consisting of two rounds. Out of 56 shortlisted participants, 35 students were present and participated actively. Participants were divided into several teams and participated enthusiastically. The shortlisted participants have attended round 3 (the final day of the event): interview, and topic elaboration, which consist of final rounds. Out of 18 shortlisted participants, 15 were present and participated actively.



On behalf of the 75th Independence Day, NSS-BIT conducted an event called 'Flag' at every home in online mode. The motto of this event was to inculcate as well as to exhibit patriotism towards our nation the event was conducted in online mode from 12th August to 15th August. Participants were requested to submit a photo with a flag. This was initiated by the central government. We got about 31 responses in total. The event has successfully ended.



UBA-BIT Volunteers attended the Grama Sabha meeting conducted on 15.08.2022, Monday at Rajan nagar and Modhur. Various necessities and problems of the village people were discussed in the presence of village representatives and officials, village people, UBA-BIT volunteers and co-ordinators. The meeting was conducted for around an hour and was attended by 6 UBA-BIT volunteers.



NS & UBA of BIT organised the event of installation of RO plant at Government boarding school, Hasanur, Erode, under the tribal village upliftment activity on 21.08.2022. A NSS team of 2 volunteers coordinated with the program officer Dr.V.N.Vijayakumar along with Mr Sathish and a plumber Mr Jagadeesan arrived at the site at 8.30 AM. The volunteers started the event by fitting two RO filter plants and overhead tanks. The volunteers cleaned the old tank and did some renovation work



The LEO Club of BIT Has organised a Hundiyal counting event at Bannari Amman temple on 24th August 2022. 52 Volunteers from the LEO Club of BIT participated and Dr.P.Subhapiya, AP-III/Chemistry coordinated the event and Ms Swathi, AP/BT accompanied the students



On the 76th Pre-Independence Day Activity, BIT-NCC Cadets did 100 tree sapling near Dhanavasi murugan temple, periyakulam village, Sathyamangalam along with the village people. Prof. Murugakani, Secretary, Bannari Amman Public School inaugurated the tree plantation event. The program was coordinated by Lt. Dr.M.Malathi / Associate NCC Officer, Mrs.D.Rohini / Caretaker Officer and Dr.K.Nijanthan / Caretaker.



The Bureau of Overseas Education (BOE) Club of BIT in collaboration with IDP Education India Pvt. Ltd., organized a seminar on 16.08.2022 (Tuesday) between 06:00 PM. - 07.00 PM, exclusively for BIT students applying to international universities for higher education



The Bureau of Overseas Education (BOE) Club of BIT in collaboration with Edwise International organized an event on 28.08.2022 (Sunday) between 10:00 AM-05.00 PM for the aspirants applying to international universities for higher education in the US, UK, and Canada, and Australia, New Zealand, Ireland And Singapore. The Students had the opportunity to meet university representatives of these countries.

## MoU SIGNED



BIT signed a MoU with Red Networks Telecom Ltd. Chennai on 07.03.2023. Faculty members Dr.V.Chelladurai, Associate Professor, Department of Agriculture Engineering and Dr.R.Balakrishnaraja, Associate Professor, Department of Biotechnology represented BIT and Mr.N.S.Anand, Managing Director represented Red Networks Telecom Ltd., for this MoU. Through this MoU, the parties agree to collaborate for conducting internship activities, collaborative projects, organising events and sharing facilities. This MoU is valid from 07.03.2023 to 06.03.2026.



BIT signed a MoU with VEI Technologies Pvt. Ltd. Chennai on 14.03.2023. Faculty member Ms.P.Divya, Assistant Professor/CSE represented BIT and Dr.B.Ezhilavan, Founder and CEO represented VEI Technologies Pvt. Ltd., for this MoU. Through this MoU, the parties agree to collaborate for conducting industrial-oriented training programmes, FDPs, workshops and guest lectures. This





BIT signed an MoU with Suren Power Private Ltd., Coimbatore on 03.02.2023. Dr.G.Kumaresan and Mr.C.Subramaniyan, Mechanical Engineering, represented BIT and Mr Suresh Kannan, Managing Director represented Suren Power Private Ltd., Coimbatore for this MoU. Through this MoU, the parties agree to collaborate for conducting students' internships, faculty training, and Centre of Excellence. This MoU is valid from 03.02.2023 to 03.02.2026.



Technology Business Incubator (TBI) signed an MoU with Foundation for Innovation and Social Entrepreneurship (FISE), Bangalore On 06.01.2023. Faculty member Dr Balakrishnaraja R represented BIT - TBI and Mr Raghava Kumar Molluru represented FISE for this MoU. Through this MoU, the parties agree to collaborate for conducting student internships, faculty training, certificate courses and R & D activities. This MoU is valid from 06.01.2023 to 06.01.2026



BIT signed a MoU with the Association of Consulting Civil Engineers (ACCE), Coimbatore on 18.04.2023. Faculty member Mrs.V.Preetha from the Department of Civil Engineering represented BIT. Through this MoU, the parties agree to collaborate to provide students with training and development programs to meet the existing skill gap in the construction industry. In addition, both parties agreed to execute this MoU for the mutual benefit of the industry and institution free from any financial commitments by either party. This MoU is valid from April 18, 2023, to April 18, 2026.



BIT signed an MoU with BCBUZZ Technologies Pvt Ltd., Coimbatore on May 10, 2023. Dr.V.Sri Vigna Hema, AP-II/IT, Head of BlockChain Technology (BCT) Special Laboratory represented BIT. The parties agreed to collaborate to provide Internships, Seminars, Hackthons, Hands-on workshops, and Consultancy Projects to the students to bridge the existing skill gap in industries. In addition, the parties agreed to arrange placement opportunities for the students. This MoU is valid from May 10, 2023, to May 10, 2024.



An MoU was signed with Space Zee Technologies Pvt. Ltd., Chennai on 15.07.2022. The purposes of the MoU are collaboration in conducting IIC Activities, product development, consultancy and technical support. The MoU was organised by faculty members Dr. S. Arun Jayakar from Department of EIE and Mr.P.Narendra Ilaya Pallavan from the Department of BME. This MoU is valid from July 15, 2022, to July 14, 2025.



A MoU was signed with Qualpedia, RSJ Inspection Services Pvt. Ltd on 29.07.2022. Dr Subrata Das, Professor/FT organised this MoU signing. The purposes of the MoU are to arrange guest lectures and industry expert suggestions, organise seminars, webinars, and training programmes and to conduct Competitions to improve the Skill Sets of the students. This MoU is valid from July 29, 2022, to July 28, 2024.



An MoU was signed with OptiThought Technologies, Chennai on 02.06.2022. Faculty members Dr.C.Poongodi, Dr.K.Shoukath Ali, Mr.A.Daniel Raj, Dr.M.Leeban Moses, Mr.S.Karthikeyan and Mr.V.Baranidharan from the Department of ECE organised this MoU. Purposes of this MoU are to provide training to the students and faculty members, increase the scope for Internships, Project, Workshops, Seminar, Guest Lectures, One credit course, and R&D.



A MoU was signed with IntersectIQ, Bangalore on 04.06.2022. Faculty members Dr.M.Ravikumar, Mr.K.B.Prakash, and Mr Chandrasekaran from the Department of Mechanical Engineering organised the MoU. The purposes of this MoU are to increase the placement and internship opportunities for the students. As a part of MoU, they offered an industrial project and encouraged people to work on R&D related projects. This MoU is valid from June 04, 2022, to June 05, 2025.



A MoU was signed with Virtusa on 08.06.2022. The Virtusa team featuring Mr Narayanan Sundaresan, Vice President, Mr Krithivasan S, Global Strategy Executive, Ms. Geethanjali, Hr Executive, Ms. Chelsea, Hr Executive visited BIT and signed the MoU. The purpose of the MoU is to discuss the signing of an MOU with BIT to extend their association with the college for the upcoming years. This MoU is valid from June 08, 2022 to June 07, 2023.



A MoU was signed with Xplore IT Corp on 16.08.2022 organised by the cyber security special lab. The purposes of the MoU are to provide training in Cyber Security and Ethical Hacking to the students of the various institutions in and around Coimbatore. This MoU is valid from August 16, 2022 to August 15, 2023.





A MoU was signed with Ashok Leyland, Hosur organised by the Department of Automobile Engineering and New Product Development lab on 30.08.2022. The Industry persons Mr Sellamuthu M, Head-HR (Hosur Units), and Mr Velumani RN, Divisional Manager (Unit 2) of Ashok Leyland, Hosur are involved with the MoU signing. The experts appreciated the initiatives taken by BIT through BIT Special lab & Gurugulam. This MoU is valid from August 30, 2022 to August 29, 2025.



An MoU was signed with Fronius India Pvt Ltd., Pune on 12.09.2022 organised by faculty members Dr Anandamoorthi A & Dr Sundar Raju G from the Department of Mechanical Engineering. Industry person Mr Vishwanath Kamath, Managing Director of Fronius India Private Limited, Pune is involved with this MoU. The purposes of the MoU are to enhance the quality of skill development in the field of welding and automation by adopting innovative teaching, training ware & learning platforms. This MoU is valid from September 12, 2022 to September 11, 2025.



An MoU was signed with VGM Soft Tech, Coimbatore organised by the faculty member Mr Parthasarathi P from the Department of Computer Science and Engineering on 28.09.2022. The purpose of the MoU is to provide placement offers, internships, one-credit courses, skill training and consultancy projects. This MoU is valid from September 28, 2022 to September 27, 2025.

## INDUSTRY EXPERT TEAM VISIT TO BIT



Mr D Kannan, Managing Director from Kannan Tools and Dies visited the institute on 17.09.2022. During the visit, the guest interacted with students and faculty members in-charge of BIT Gurugulam Labs.



Mr Martin Vivian and Mr Aditya Harsha, Technical Leads from Lennox International visited the institute on 19.09.2022. The team members visited the Department of Electronics and Instrumentation Engineering and interacted with the second year students about the progress of product making during the S3 Skill Training Programme. They also visited the Smart Sensor Intelligent Special lab.



Mr Prasanna, Director, NextGen, Hosur visited the institute on 10.07.2022.

The guest interacted with faculty members of the Micro Prototyping lab, Energy and Thermal product development lab, Robotics and automation lab, Unmanned & Underwater vehicle lab, and New product development lab and discussed the collaborative activities. Also, the guest discussed with the Principal, Dr Palanisamy C and appreciated the initiatives taken at the special lab and Gurugulam.



Mr Prasanna Shankar, Asean Academic Program Manager of Ansys Software Pvt. Ltd., Mr Mehta S. Damodar, Director, Mr Vidhyasagar MK, General Manager, and Mr Rajesh MR, Regional Sales Manager of Entuple Technologies Pvt. Ltd visited the institute on 19.07.2022 and 20.07.2022.

The experts interacted with the faculty members and students of Modelling and Prototyping, Hackathon, Micro Prototyping, Robotics & Automation, Manufacturing & Fabrication Special Labs. Also, they discussed with the Trustee, Dr Vijayakumar M P, and appreciated the initiatives at the Special Lab and Gurugulam.



Mr Vijayadeepan, Mr Onezhilan and Mr Dinesh Tej, the Technical Executives of Dassault Systems visited the institute on 26.07.2022.

The guests visited the Special Labs and Gurugulam. The students demonstrated the Innovative Special Lab products, and the guests appreciated the activities performed in the Special Labs. The guests appreciated the accomplishments of the special labs & BIT Gurugulam.



A MoU was signed with Xplore IT Corp on 16.08.2022 organised by the cyber security special lab. The purposes of the MoU are to provide training in Cyber Security and Ethical Hacking to the students of the various institutions in and around Coimbatore. This MoU is valid from August 16, 2022 to August 15, 2023.



Ms Uma Rani A, AGM, Skill Development Team, Elgi Equipments Ltd., Coimbatore visited the institute on 05.08.2022.

Dr.D.Deepa, HOD/BME explained all the processes and training offered to faculty, non-teaching, and all the employees by the BIT - IQAC Competency team.





Mr Vijay (CIO & Founder), Mr Suresh (CIO & Founder), and Mr Sudhakar (COO & Founder) of Skywalk Drobotics Private Limited visited the institute on 08.10.2022.

The experts observed the different types of Drone configurations developed in the Unmanned Aerial Vehicle Special lab. They appreciated students' efforts for their involvement in the Drone design process. They also agreed to provide MOUs, Internship programmes, Placements, and Technical support for the betterment of the students.



Mr Nellai Rajan, Managing Director, RANELL Air Conditioning Services Co. Lip., Chennai visited the institute on 08.12.2022.

The expert discussed consultancy work, student Internship, placement and seminar during the visit. He visited the Renewable Energy and HVAC Special lab and appreciated the students' achievements.



Mr Chellappan R, Founder and Managing Director of Numeric Power Systems Ltd visited the institute on 21.12.2022.

During the visit, the expert discussed the current developments in power electronics, power systems and renewable energy in integration systems.



Mr K Ponmalai, Executive Chairman & Mr R Varun Karthikeyan, Managing Director - Roots Group of Companies visited BIT on 16.02.2023.

The discussion aimed at exploring opportunities to collaborate with BIT for product development.



Mr P Dharma Krishnan, Chief Executive from Benzear Equipment India Private Limited and Mr G R Mohan, Director from Compress Technologies visited the institute on 10.02.2023.

The Purpose of the visit is seeking collaboration to carry out industrial projects, student training and consultancy work.



Mr Velumani, Divisional Manager - HR and Mr Babu, HR, Ashok Leyland Private Limited, Hosur visited the Institute on 22.02.2023. Faculty members and students demonstrated their innovative special lab products to the team from the Industry and the team suggested a few enhancements to the BIT Gurugulam processes.



Industry experts from Anaamalais Toyota, Coimbatore, visited BIT on 09.03.2022 and interacted with the students of II/III/IV year BE Automobile Engineering on ASDC India Skill training on Auto body Repair and Car Painting, Internship and Placement opportunities. The team included Mr PN Senthilkumar - Group Head-HR, Mr R Nagendran - Senior Manager, HR & Admin, and Mr P John William - AGM & Branch Head, Anaamalais Toyota Private Limited, Coimbatore. They also visited the Auto Body Repair and Painting Skill venue and appreciated the efforts



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Directors of Appachi Eco-Logic Cotton Pvt. Ltd Pollachi Mr Mani Chinnaswamy and Mrs Vijayalakshmi visited the institute on 08.04.2023.

The guests from industry witnessed the students undergoing training on various fundamental engineering skills. The guests appreciated various initiatives of BIT including the Special Labs and Gurugulam.

## IRP VISIT BY THE FACULTY



Dr Bharathiraja M, Head-IIPC, Dr Pravin M C and Mr Saravanan B from E-Mobility lab visited the Ashok Leyland Limited, TVS Motor Company, Elkayem Auto Ancillaries Private Limited and Estee Auto Pressings on 09.09.2022.

During the meeting with Mr Sankar S, Assistant Manager-Human Resource (L & D), Ashok Leyland Limited; Mr Vignesh SJ, Talent Acquisition Specialist-Campus, Hiring and Early Careers, TVS Motor Company; Mr Ravikumar Vasudev S, CEO, Elkayem Auto Ancillaries



Private Limited and Mr Nitin Seshadri, Managing Director, Estee Auto Pressings, the faculty members discussed internship programmes for students, projects, industry visits, training at BIT and industries, one-credit courses, and an expert visit to BIT.



Integrated AI & Sensors lab faculty members, Dr.V.T.Balamurugan from Department of EIE presented the technical proposal for collaboration with Titan to commercialise the Diabeto Watch. The faculty members also visited Matrimony's head office in Chennai and interacted with Mr Murugavel Janakiran, CEO, to identify the problem statements and requirements for consultancy work.



Dr.C.Poongodi, Mrs.B.Soundarya and Mr.R.Krishnaraj from Department of ECE interacted with Mr Manu Devappa, Firmware Developer, Riosh Technologies, Bengaluru and Mr Manu Krishnashetty, Embedded Developer, Quantum Softwares, Bengaluru on 17.09.2022 regarding the scope of Industrial IOT applications using ESP32, hands-on training on ESP32, and real-time project implementation.



Faculty members, Dr.S.Tamilselvi, Mr.S.Rajaseetharama, Mr.P.Jeyavelkarthick and Dr.N.Abdulazeez from Bioprospecting Research Lab visited the Herbal supplements Pvt Ltd, Kodiveri on 04.07.2022.

The faculty team interacted with Assistant General manager Mr John Sukumar regarding collaborative industrial projects and internships for students.



Faculty Members Dr Gayathiri N R, HoD, Mr Ranjith G, Mr Balasamy K and Mrs Nithyapriya S from Department of AI & DS interacted with Mr Syedghouse Nazeerudeen, Chief Product Officer, Katomaran Technologies, Coimbatore on 05.07.2022 and discussed conducting one-credit courses, internship programmes, workshops, placement and collaborative activities in our Institute.



Dr Chelladurai V and Ms Bharani Priya A from the Department of Agricultural Engineering interacted with the Renaissance Power Products Pvt. Ltd., Karadivavi, Palladam. on 10.08.2022 regarding the opportunity to provide Student Internship, Project work and Industry-Institute Collaborative activities with Mr.A.Rajkumar, Managing Director, and Mr.P.P.Shareesh, General Manager, Renaissance Power Products Pvt. Ltd.



Faculty Member Dr.S.Veerakumar from the Energy Storage and Conversion Lab visited the Texsonics, Coimbatore on 12.08.2022 and discussed developing an Industrial Robotic Arm in collaboration with a special lab.



Faculty Members Dr Bharathi Raja K from the department of Automobile Engineering and Dr Chelladurai V from the department of Agricultural Engineering visited the Mahindra and Mahindra Ltd on 12.08.2022.

They have discussed the possible industry-institute partnerships regarding student and faculty training and internships.



School of Management studies organised an industry interaction with Milky Mist Factory, Perundurai on 06.12.2022.

The students from the MBA course visited the factory and gained exposure to the production process and the technology used to produce dairy products. The students interacted with officials of Milky Mist and clarified their doubts regarding Management Practices



Sustainable Civil Engineering Materials lab organised an industry interaction with Mr Raj Vigneshmoorthy, Manager and Mr Sriharimanikam, HR Manager, Timber Truss Design Private Limited. During the interaction, the industry expert discussed plans for student training and implementation of trainers programmes.



Faculty members from the Department of EIE and ECE organised an industry interaction with M/s Anora Instrumentation Private Limited and M/s Lennox International Inc, Chennai on 04.01.2023 and visited M/s KBX Digital Inc, Chennai on 05.01.2023.

The faculty members discussed the placement drive, Center of Excellence, guest lecture, MoU, and student training activities.





Faculty members from the Department of Automobile Engineering organised an industry interaction with Caresoft Global Private Limited and Taark Equipment Private Limited, Pollachi on 06.01.2023.

The faculty members discussed Teardown analysis, Student Internship and the development of the Centre of Excellence in BIT.



A total of eight faculty members from special labs organised an industry interaction with Texsonics Systems India PVT LTD, Coimbatore on 13.01.2023.

The discussion focused on human computer interaction system design, data acquisition through sensor, etc.,.



Faculty members from special labs organised an industry interaction with Edsols Innovations Pvt. Ltd., on 18.01.2023.

The discussion focused on conducting students internships, skill training and placement activities.



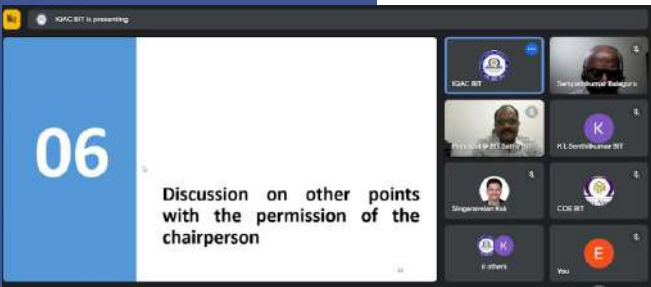
Faculty members from the Department of Biomedical Engineering organised an industry interaction with AMS Solutions, Bio Vision Medical Systems, Qneuro India Pvt. Ltd, Chennai on 19.01.2023 to 20.01.02023.

The faculty members discussed conducting research, MoU signing and curriculum review.

# IQAC MEETINGS



The Internal Quality Assurance Cell (IQAC) 1st Quarter meeting for the academic year 2022-2023 was conducted on 19.10.2022 at 2.30 PM, through online mode. The Head - IQAC has presented the agenda for the meeting. The IQAC members were impressed by the students' outstanding accomplishments and the institution's efforts to provide the necessary training.



The Internal Quality Assurance Cell (IQAC) 2nd Quarter meeting for the academic year 2022-2023 was conducted on 04.02.2023 at 10.00 AM, through online mode. The Principal welcomed the external IQAC member Dr.B.SampathKumar, Educationalist, Former Principal, and Secretary of PSG College of Technology, Coimbatore and IQAC Members of BIT. In the Meeting, Head - IQAC discussed the various quality initiatives, achievements and forthcoming activities of IQAC



The Internal Quality Assurance Cell (IQAC) 3rd Quarter meeting for the academic year 2022-2023 was conducted on 20.05.2023 at 02.30 PM, through online mode. The Principal initiated the meeting by welcoming the Management nominee, Alumni Nominee, Student nominee and all the members of the IQAC. He handed over the proceedings to the Head-IQAC to continue further. The valuable suggestions were provided by the external member, intended to enhance and strengthen the ongoing initiatives and the meeting ended with a discussion on the forthcoming activities of IQAC.



Internal Quality Assurance Cell (IQAC) 4th Quarter meeting for the academic year 2021-2022 was conducted on 16.07.2022 at 2:30 pm, through online mode. In the Meeting the Head-IQAC, Dr.T.Ramesh Kumar discussed the confirmation and approval of previous IQAC meeting Minutes, Action taken report for previous IQAC Meeting, Academic related activities, Quality initiatives by IQAC, Analysis of feedback received from students, Achievements through IQAC Quality initiatives and forthcoming activities of IQAC. The members appreciated the IQAC initiatives and suggested a few points.



# Summary

