



Bapuji Educational Association®

BAPUJI INSTITUTE OF ENGINEERING AND TECHNOLOGY

Affiliated to VTU, Belgaum. Approved by AICTE, New Delhi
Accredited by NAAC with 'A' Grade,
Recognized by UGC under 2(f) and 12(b)



BIOLIT

A Biannual Newsletter of Biotechnology Department

News Letter Committee

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Dr. N S Manjunath

Professor & Head

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Prof. Shruthi S R

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Principal, BIET

Student Members

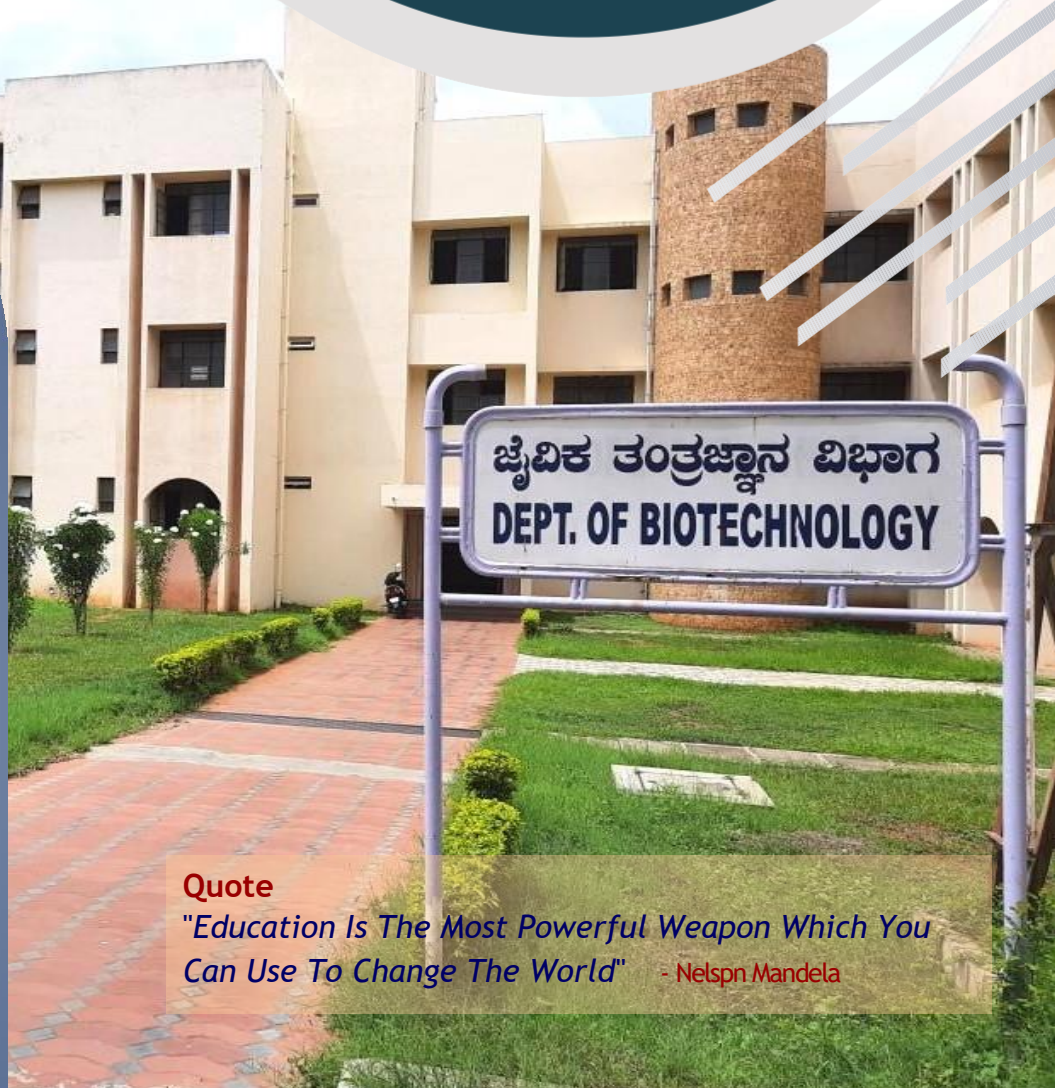
Ms. Yashaswini B H, III Sem

Mr. Raghavendra R B, V Sem

Alumni Member

Mr. Ashish Prabhu

Assistant Professor,
Department of Biotechnology,
NIT, Warangal



Quote

*"Education Is The Most Powerful Weapon Which You
Can Use To Change The World"* - Nelspn Mandela

Content

- ✓ Departmental Activities
- ✓ Student Achievements / Activities
- ✓ Faculty Achievements / Activities
- ✓ Articles / News

From the HOD's Desk



It gives me a great pleasure to share with you all readers that our department has been involved in academic and research activities. The department has state-of-the-art infrastructure with well-equipped laboratories developed through management support and funded projects, well qualified and dedicated faculty to impart quality education in Biotechnology engineering through sound

theoretical knowledge, hands on laboratory, exposing students to recent technologies and research by visiting industries and expert through various activities. This Newsletter is aimed to fostering current and inclusive research and industry partners, our alumni and friends, as well as department faculty and assistant staff members, past and present. Application of Biotechnology in the present day lies in its usefulness in industries like food and beverage industry, textile, medicine and pharmaceutical, agriculture, animal husbandry, forensics, and nutrition. Biotechnology has the challenges to prevent life-threatening diseases, meet the world's ever-growing population's food security and energy requirements to meet the demand and supply. Biotechnology also solves environmental issues that is threatening the life of the people. The department strives hard to train and nurture the students with additional skills with a view to creating the right set of inputs needed for different industries needed to tackle the current issues. Thus, attempting to satisfy the aspirations of the students of being placed in companies of good standing. Various self-assessment and other career exploration methods are employed to examine the students' values, abilities, interests, and personalities. We very much encourage all our stakeholders like members, students, alumni, parents and partners to keep in touch and share their news, their time and experience in the department, their career achievements and/or personal highlights with us and look forward for kind patronage to our newsletter in the future editions too. We aim to keep our stakeholders updated on our teaching and research activities and advances, as well as student academic achievements and showcase the best. We are on a trajectory to continue achieving laurels and success for our department. We look forward to addressing any of your concerns or expectations with respect to our teaching -learning process, academic and research infrastructure and placement for our students. I thank my team for their constant cooperation and support. We look forward for a wonderful year ahead.

Thank you all

Vision of the Department

- To impart quality education for translating knowledge to the widest domains and create distinctive knowledge assets
- To contribute in creating a pool of young engineers to meet the demands of industry and society, through excellence in technical education and research.

Mission of the Department

- To be an educational center of international excellence in broad based technical learning to help every learner to be successful

- To emphasis its foundational heritage in engineering education, facilitate interdisciplinary learning, foster research and produce graduates who are technologically astute, think critically and demonstrate proficiency .
- To empower the students with entrepreneurial and leadership competencies to unleash their potential towards nation building

Department of Biotechnology(JAN-JUNE,2021)

ACTIVITY DETAILS

1. The Department has arranged an inauguration of BIOLIT activities for the year 2020-2021 and a welcome program for the 3rd-semester students on 23/01/2021. Dr. Ramakrishnan M S, Vice President (R&D), Biocora Therapeutics, Biocon Limited Bangalore was invited virtually as chief guest for the programme.



2. Welcome programme arranged for 3rd Sem students 2021 batches.



3. Parents Meeting:

Parent - Teacher Meeting has been arranged in the department on 1st March 2021. Parents of all BT students were invited and discussed about students' academic progress and placement related issues.



4. To create a common platform for the undergraduate students of Department of Biotechnology and the Faculty members across the state, five days Invited talk series on "BIOTECHNOLOGY vs COVID: CHALLENGES, OPPORTUNITIES FOR THE RESEARCH AND BT INDUSTRIES" was organized during 24th - 28th May 2021 through online mode (ZOOM) with the support of our institute and Indian Society for Technical Education (ISTE- BIET) Faculty chapter. A total of more than 120 members were participated and got benefitted by the programme.



Five days invited talk series virtually on **“Biotechnology vs Covid: challenges, opportunities for the research & BT industry”** during 24th - 28th May 2021

5. PYTHON ENOVI – 2022 a technical session was conducted in the department in association with Information Science dept. on 23-02-2022.

6. All faculty members are attended two-week online FDP on “Bio- innovation, Patenting & Entrepreneurship opportunities in Biotechnology for Sustainable



CWV2+GVP, BIET, Davanagere, Karnataka 577005, India
 Latitude 14.443760000000001 Longitude 75.902128333333334°
 Altitude 600.3 meters
 Local 05:04:50 PM Tuesday, 22-02-2022
 GMT 11:34:50 AM

RESEARCH PROJECTS

SL. NO	TITLE OF THE PROJECT	SPONSORED AGENCY	AMOUNT SANCTIONED	YEAR	NAME OF THE STUDENTS	NAME OF THE GUIDE & EMAILID
1	WEB BASED IMAGE PROCESSING FOR IDENTIFICATION OF BACTERIAL BLIGHT OF POMEGRANATE AND ITS CONTROL BY NATURAL ANTIMICROBIAL AGENTS- A FARMER AND ECO-FRIENDLY MODEL.	KSCST	6000-00	2020-21	Ms. GAHANA BELLUDI AND OTHERS	Dr. MANUNATH N S Prof. SHEIK IMRAN
2	STUDY ON LEAFY VEGETABLE'S GROWTH USING AUXINPRODUCED BY RHIZOBIUM PHASEOLI UNDER SALT STRESS CONDITIONS	KSCST	7000-00	2020-21	Ms. MEGHANA V S AND OTHERS	Prof. VASUDEVA NAYAKA K B L
3	DEVELOPMENT OF LOW COST, HIGH NUTRITIVE PROBIOTIC DRINK FROM WASTE PULSE STARCH AND FRUIT PEELS	VTU, BELAGAVI	5000-00	2020-21	Ms. SUSHMA HC AND OTHERS	CHANDUKISHORE T
4	DEVELOPMENT OF LOW COST STAIN REMOVER FROM LIPASE ENZYME BY SOLID STATE FERMENTATION	VTU, BELAGAVI	5000-00	2020-21	Mr. ROHITH K M AND OTHERS	Mrs.SHRUTHI S R
5	BIODETERGENT WITH MOSQUITO REPELLING PROPERTIES	INSTITUTE FUNDED (BIET)	5000-00	2020-21	RAMOLA D SILVA AND OTHERS	VINAYAKUMAR J

STUDENTS ACHIEVEMENTS

Sl. No.	USN	Name of the Student	Event	Place	Date	Achievement
1	4BD19BT015	Sowmya G	Biopreneur- E-cell KITCoEK	Online	7/4/2021	Participation
2	4BD19BT003	Apeksha Chavati				
3	4BD19BT015	Sowmya G	Research paper publishing – webinar	Online	30/08/2021	Participation

LIST OF TOPPERS

CHAITRA H D (4BD17BT006) – 7th Sem

POOJITHA S (4BD18BT010) – 5th Sem

YASHASWINI B H (4BD19BT017) –3rd Sem

Did you know that the tears from 2 eyes tell?

Scientists say tears tell you the reason for someone crying. If the first drop comes from the right eye, it's tears of joy. Otherwise, it's because of pain.

ART BY STUDENTS



Art By, Yashaswini



Art By, Priya S



2017-2021 Batch, Dept of Biotechnology



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"Education Is what remains after one has forgotten what one has learned in school" - Albert Einstein

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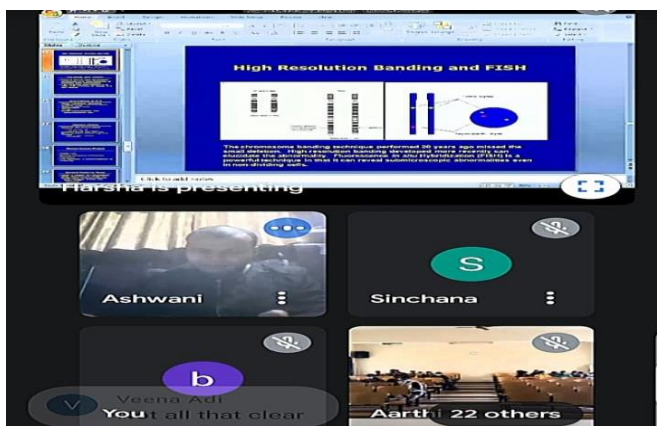
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ACTIVITY DETAILS

1. Ashwani Kumar an alumnus of our department delivered a scientific talk online on “PCR and Hybridization technologies” on 21st December 2021.



2. Organized a scientific talk on “Gene transformation techniques and development of transgenic plants for biotic and abiotic stress tolerance” from 28th December, 2021.



3. Students of 3rd, 5th and 7th Semester visited Kaidale village near Davangere on 1st October 2021 as a part of AICTE Activity Points.





4. Dr Jagadesh Sunkad, Founder Director, Kumaradhaara Agro Solutions, Bangalore, demonstrated Hyper Spectral Camera in the department on 1-12-2021.



5. Brain Storm – A platform for debate competition amongst all semester students has been conducted in the department in the interest of students during odd and even semester's calendar in 2021.



LIST OF TOPPERS

CHAITRA H D (4BD17BT006) – 8th sem

POOJITHA S (4BD18BT010) – 6th sem

YASHASWINI B H (4BD19BT017) – 4th sem

Did you know that the longest recorded flight of a chicken is 13 seconds?

While chickens are not known for their flying abilities, they can briefly glide and stay airborne for short distances.

ART BY STUDENTS



Art By, Priya S



Art By, Priya S

MY PASSION

As engineering students and Indians, we are well aware of the employment crisis in our country. With the increase in competition and population, getting a job is definitely not easy. Therefore, it's a must for us to plan our personal and professional lives well, and to stick to our targets and goals. We must also put our hearts and minds into everything we do. This will ensure that our zeal and enthusiasm can keep us moving forward no matter how many obstacles we face. The doors to opportunities will open in a variety of ways if we're passionate enough. 'Where there is a will, there is a way!' Passions can be turned into careers.

My passions are:

1. RADIO JOCKEY

A person who hosts a radio talk show needs qualities like a sense of humor , communication skills , presence of mind , should be able to manage the crowd, attitude since their work involves presenting various music programs and entertaining the audience.

Despite the fact that our job is to speak and entertain, it is not easy to do so. We must be very active, healthy, and friendly.

The person who inspires me in many ways is RAPID RASHMI.

2. DISC JOCKEY

A person who conducts a program of recorded songs on radio, television, or at concerts.

As everyone is obsessed with music, you know how it feels while listening

DJs, in my opinion, are responsible for mixing songs that get people crazy about them. So I would love to entertain people in this way.

The person who inspires me & makes me smile whenever I see his live concerts is DJ CHEATS.

In 12th grade, I learned about these two jobs. After graduation and after getting a job, I want to try them in my free time & eventually make them my profession.

People don't get disappointed with these because they enjoy them from the depths of their hearts, and this eases their pain.

By, AMISHA N SOPPIN