



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. B.E. Rangaswamy

Professor & Head
Dean, R&D

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Assistant Professor

Prof. Shruthi S R

Assistant Professor

Advisory Members

Prof. Y. Vrushabhendrapa

Director, BIET

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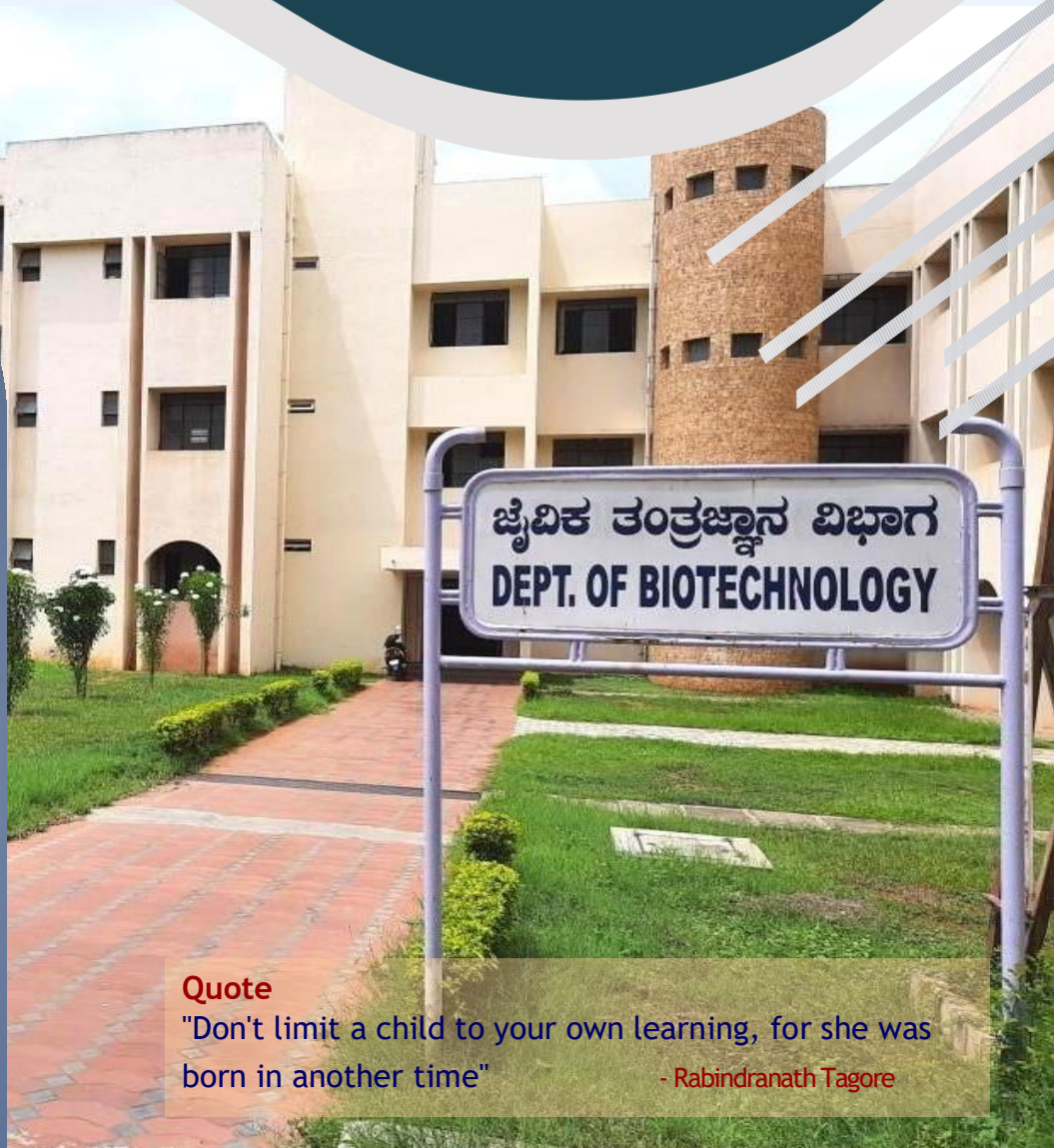
Mr. Deepak G, VIII Sem

Ms. Chaitra H D, VI Sem

Alumni Member

Mr. Gourishankar Karoshi

Founder, Yogi Farms & Bhuvan
Farms and Foods, Dharwad



Quote

"Don't limit a child to your own learning, for she was born in another time"

- Rabindranath Tagore

Content

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

Chairman/Editor
Dept. of Biotechnology Engineering
P.O. Box. No. 325, Shamanur Road, Davangere



From the HOD's Desk

Greeting!! Indeed it gives me immense pleasure to share with you all readers that our department has been through a range of activities and accomplishments. Despite the state-of-the-art infrastructure with well-developed laboratories, the Department has well qualified and dedicated faculty to impart quality engineering education through sound theoretical knowledge, hands on laboratory, exposing students to recent technologies by visiting industries and expert talks as well as instilling communication skills through Inter and intra departmental activities. This Newsletter is aimed at fostering current and inclusive research and industry partners, our alumni and friends, as well as department faculty and assistant staff members, past and present. We aim to keep our stakeholders updated on our teaching and research activities and advances, as well as student and academic achievements and showcase the best. 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.

I thank my team for their constant cooperation and support. We look forward for a fruitful 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 .

Choice Based Credit System(CBCS)

CHOICE BASED CREDIT SYSTEM (CBCS):

The CBCS provides an opportunity for the students to choose courses from the prescribed

courses comprising core, elective/minor or skill based courses. The courses can be evaluated

following the grading system, which is considered to be better than the conventional marks system. Therefore, it is necessary to introduce uniform grading system in the entire higher education in India. This will benefit the students to move across institutions within India to begin with and across countries. The uniform grading system will also enable potential employers in assessing the performance of the candidates. In order to bring uniformity in evaluation system and computation of the Cumulative Grade Point Average (CGPA) based on student's performance in examinations, the UGC has formulated the guidelines to be followed.

The choice based credit system not only offers opportunities and avenues to learn core subjects but also exploring additional avenues of learning beyond the core subjects for holistic development of an individual. The CBCS will undoubtedly facilitate us bench mark our courses with best international academic practices.

Advantages of the choice based credit system:

- Shift in focus from the teacher-centric to student-centric education.
- Student may undertake as many credits as they can cope with (without repeating all

courses in a given semester if they fail in one/more courses).

- CBCS allows students to choose interdisciplinary, intra-disciplinary courses, skill oriented papers (even from other disciplines according to their learning needs, interests and aptitude) and more flexibility for students).
- CBCS makes education broad-based and at par with global standards. One can take credits by combining unique combinations. For example, Physics with Economics, Microbiology with Chemistry or Environment Science etc.
- CBCS offers flexibility for students to study at different times and at different institutions to complete one course (ease mobility of students). Credits earned at one institution can be transferred.

Disadvantages:

- Difficult to estimate the exact marks
- Workload of teachers may fluctuate
- Demand good infrastructure for dissemination of education.

Departmental Activities

National Conference

The Department of Biotechnology, BIET, Davangere in association with Society of Cytologists & Geneticists, Bangalore and S S Institute of Medical Sciences & Research Center, Davangere organized 3 day National conference on “New Trends in Bio-Technology & 14th Conference of Society of Cytologists and Geneticists” between 6th -8th March 2019.



© Brainstorm an Intra departmental debate event where two students from each semester will be the panelists and discussing for or against to the topic of debate. The topics of debate will be generally the present socio- scientific issues.

The other aspect of Brainstorm is to improve communication skills and to inculcate life- long learning aspects of Outcome based education system.

Following are the list of topic were discussed in the Brain storm Debate activity



Brainstorm- Debate event



Miss. Niharika Reddy



GROUP PHOTO OF BATCH 2018 - 2019



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Quote

“The end product of education should be a free creative man, who can battle against historical circumstances and adversities of nature”

- Sarvepalli Radhakrishnan

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Departmental Activities

FDP/WORKSHOP/ACADEMIC MEETINGS

ATTENDED

1. Shruthi S.R, Chandu Kishore, Vasudeva Nayaka K B L Asst. Prof. has Participated in five day Short term Training Programme through ICT mode on "Effective Teaching" at IS Dept, BIET organised by National Institute of Technical Teachers Training & Research, Kolkata on 25/10/2019.
2. Shruthi S.R Asst. Prof. has participated in TEQIP III Initiative International workshop On "Embracing Industry 4.0 Revolution- Biomaging Trends and Applications in Life Sciences "at JSS college of Engineering, Mysuru during 23 - 25/10/2019.
3. Dr. MANJUNATH N.S. and Dr. B.E.RANGASWAMY with Project students Ms. T.SIMRAN, Ms. SIREESHA.S.S., Mr. VINAYA.H.P and Mr. SHIVALINGAYYA.R.MATHAD received a "BEST PROJECT OF THE YEAR" award

for the project entitled DEVELOPMENT OF ECO FRIENDLY, COST EFFECTIVE AND BIODEGRADABLE SANITARY NAPKINS under Biotechnology stream during 42nd series: 2018-19 Seminar and exhibition of student projects (SPP) held on 26th and 27th July 2019 at K.L.E. Dr. M.S. SHESHGIRI COLLEGE OF ENGINEERING AND TECHNOLOGY, BELAGAVI.

"BEST PROJECT OF THE YEAR" award- under Biotechnology stream during 42nd series: SPP 2018-19 of KSCST.

4. Dr. Rangaswamy B.E, Dean R&D, Professor & Head, as Chairman, BoS, BT board, VTU, Belgaum Participated to witness the Question Paper Scrutiny process in meeting of The Board of Examiners organized by VTU-Belgaum on 19/10/2019.
5. Vasudeva Nayka K B L as BoE member, BT board, VTU, Belgaum, has attended the Question Paper Scrutiny process in meeting of The Board of Examiners organized by VTU-Belgaum on 19/10/2019.

INVITED LECTURES DELIVERED

1. Dr. Rangaswamy B.E, Dean R&D, Professor & Head, invited as Resource person in orientation programme organized for 1st BSc

Students of A.V.Kamamma College for Women, Davangere on 30/07/2019.

2. Dr. Rangaswamy B.E, Dean R&D, Professor & Head, Presented a technical talk on the Topic **"Research Funding Agencies and writing Skills for Good Grant Proposals"** at Jain Institute of Technology, Davangere on 27/09/2019.
3. Dr. Rangaswamy B.E, Dean R&D, Professor & Head, Delivered Invited lecture at 21st National Conference on Aerobiology organized At University of Vishwa-Bharati, Shantiniketan, Kolkata on 21/09/2019.
4. Dr. Rangaswamy B.E, Dean R&D, Professor & Head, Delivered guest lecture on **"Research Funding Agencies and writing Skills for Good Grant Proposals"** at JJMMC, Davangere on 21/10/2019.

EVENTS ORGANIZED

5. The department has arranged an inauguration of BIOLIT activities for the year 2019-2020 and a welcome programme for the 3 semester students on 29/08/2019. Dr. Gourishankar, Professor & Head, Dept. of Biotechnology, SIT, Tumkur was invited as chief guest for the programme.

AFFILIATION TO THE PROFESSIONAL BODIES

6. Dr. Rangaswamy B.E, Dean R&D, Professor & Head, has contested in election for Executive Council Member seat in Indian Society for Technical Education (ISTE), New Delhi during November/December 2019.

RESEARCH PAPERS PUBLISHED

7. Dr. Rangaswamy B.E, Dean R&D, Professor & Head & Vasudeva Nayaka K B L, Assistant Professor, published scientific research article on ARECA HUSK FIBRES AS AGRO-WASTE TO VALUE ADDED PRODUCTS IN TEXTILE SECTOR – A PRACTICABILITY STUDY in International Journal of Advanced Research during September 2019.

List of toppers

SHIVALINGAYYA.R.MATHAD (4BD15BT024)

AISHWARYA P M (4BD16BT028)

CHAITRA H D (4BD17BT006)



Student Achievements

Sl. No.	USN	Name of the Student	Event	Place	Date
4BD17BT024	Shivaranjini V	National conference recent trends in biochemical engineering & biotechnology	KLE, technological university, Hubballi	19/9/19 to 21/9/19	Poster presentation
4BD17BT010	Harshita S P	National conference recent trends in biochemical engineering & biotechnology	KLE, technological university, Hubballi	19/9/19 to 21/9/19	Poster presentation
4BD17BT012	Meghana V S	National conference recent trends in biochemical engineering & biotechnology	KLE, technological university, Hubballi	19/9/19 to 21/9/19	Poster presentation
4BD17BT009	Gahana belludi	National conference recent trends in biochemical engineering & biotechnology National conference recent trends in biochemical engineering & biotechnology	KLE, technological university, Hubballi	19/9/19 to 21/9/19	Poster presentation
4BD17BT004	Alfiya D	National conference recent trends in biochemical engineering & biotechnology	KLE, technological university, Hubballi	19/9/19 to 21/9/19	Poster presentation
4BD17BT015	Pooja B S	National conference recent trends in biochemical engineering & biotechnology	KLE, technological university, Hubballi	19/9/19 to 21/9/19	Poster presentation
4BD16BT015	Niharika reddy	National conference recent trends in biochemical engineering & biotechnology	KLE, technological university, Hubballi	19/9/19 to 21/9/19	Poster presentation
4BD17BT011	Ksheera	National conference recent trends in biochemical engineering & biotechnology	KLE, technological university, Hubballi	19/9/19 to 21/9/19	Poster presentation
4BD17BT018	Ramola D silva	National conference recent trends in biochemical engineering & biotechnology	KLE, technological university, Hubballi	19/9/19 to 21/9/19	Poster presentation
4BD17BT006	Chaitra H D	National conference recent trends in biochemical engineering & biotechnology	KLE, technological university, Hubballi	19/9/19 to 21/9/19	Poster presentation
4BD17BT015	Pooja B S	BIOquiz 2019	Bangaluru tech summit	18/11/19 to 20/11/19	3 rd place
4BD17BT011	Ksheera	BIOquiz 2019	Bangaluru tech summit	18/11/19 to 20/11/19	3 rd place
4BD18BT018	Soujanya Badigere	BIOquiz 2019	Bangaluru tech summit	18/11/19 to 20/11/19	2 nd place
4BD17BT004	Alfiya D	BIOquiz 2019	Bangaluru tech summit	18/11/19 to 20/11/19	2 nd place
4BD16BT026	Sushmita Jois	Voice for BT Novozyme	Vellore Institute of technology, tamilnadu	6/12/19	Won gold medal
4BD16BT019	Ram kishan A S	20 th VTU youth festival INSIGNIA	SDM, Dharwad	6/11/19 to 9/11/19	Participation
4BD16BT005	Deepak G	20 th VTU youth festival INSIGNIA	SDM, Dharwad	6/11/19 to 9/11/19	Participation
4BD16BT026	Sushmita JOIs	20 th VTU youth festival INSIGNIA	SDM, Dharwad	6/11/19 to 9/11/19	Participation
4BD16BT027	Ullas U K	20 th VTU youth festival INSIGNIA	SDM, Dharwad	6/11/19 to 9/11/19	Participation
4BD16BT022	Shashirekha R	20 th VTU youth festival INSIGNIA	SDM, Dharwad	6/11/19 to 9/11/19	Participation