



Bapuji Educational Association®

## BAPUJI INSTITUTE OF ENGINEERING AND TECHNOLOGY

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Accredited by NAAC with 'A' Grade,  
Recognized by UGC under 2(f) and 12(b)



# BIOLIT

A Biannual Newsletter of Biotechnology Department

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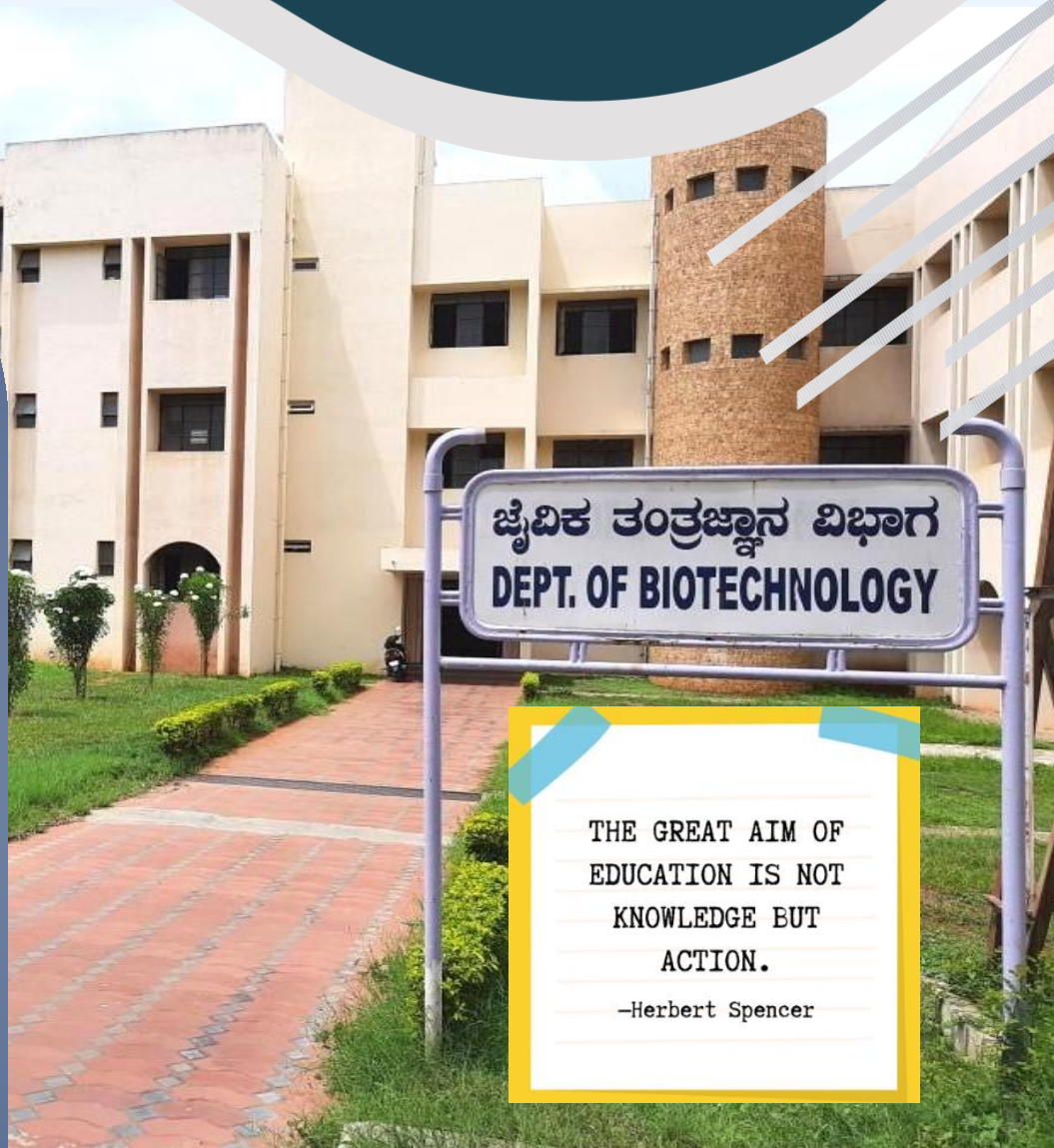
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**Mr. Nutan A M**, V Sem

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Founder, Yogi Farms & Bhuvan  
Farms and Foods, Dharwad



### 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 emphasize 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 benchmark our courses with best international academic practices.

## DEPARTMENT OF BIOTECHNOLOGY

### ACTIVITY DETAILS

1. Seven Days-Hands on Workshop on “Techniques in Bio-Technology” conducted in the Department of Biotechnology, BIET, and Davangere in association with Karnataka State Council for Science and Technology, Bangalore during 9-15 March 2020. A hands-on workshop on techniques in biotechnology related areas like, Sample Analysis using instruments like PCR, ELISA, HPLC, Fermentor, Gel Doc, Lyophilizer etc, Forensic Science, Molecular Biology, Immunotechnology, Agricultural Biotechnology and Aerobiology has been conducted to the BE-Biotech students of VTU affiliated Engineering colleges across the state. The participants limit was 50.



2. The department has arranged online parent teacher meeting on 29/05/2020.



Online Parent- Teacher Meeting

### List of toppers

AISHWARYA P M (4BD16BT028)

CHAITRA H D (4BD17BT006)

POOJITHA S (4BD18BT010)

## RESEARCH PROJECTS

1	Production of vinegar from millets	KSCST	5000-00	2019-20	MONIKA NAGESH AND OTHERS	DR. B.E RANGASWAMY
2	BIO-SOFTENING OF ARECA FIBERS USING CELLULASE ENZYME FOR THE REDUCTION OF VALUE ADDED PRODUCTS IN TEXTILES.	KSCST	5000-00	2019-20	DEEPAK G AND OTHERS	VASUDEVA NAYAKA K B L
3	DEVELOPMENT OF PESTICIDAL VERMIWASH FROM SELECTED MEDICINAL PLANTS	VTU	5000-00	2019-20	SANGEETA D P AND OTHERS	DR.B.E. RANGASWAMY MR.CHANDUKISHORE t
4	CULTIVATION OF SWEET POTATO PLANTLETS BY PLANT TISSUE CULTURE TECHNIQUE	VTU	5000-00	2019-20	RAMKISHAN AND OTHER	Dr.B.E. RANGASWAMY



Photograph by Deepak G- 8<sup>th</sup> sem

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## ACTIVITY DETAILS

The department has conducted an online Alumni meet on 11.11.2020.

