

TECHNO

WAVE 40 & 41

BIET



2021-23



The College Crunch...

VISION AND MISSION OF THE INSTITUTE



TO BE A CENTRE OF EXCELLENCE RECOGNIZED NATIONALLY AND INTERNATIONALLY, IN DISTINCTIVE AREAS OF ENGINEERING EDUCATION AND RESEARCH, BASED ON A CULTURE OF INNOVATION AND INVENTION.



BIET CONTRIBUTES TO THE GROWTH AND DEVELOPMENT OF ITS STUDENTS BY IMPARTING A BROAD BASED ENGINEERING EDUCATION AND EMPOWERING THEM TO BE SUCCESSFUL IN THEIR CHOSEN FIELD BY INCULCATING IN THEM POSITIVE APPROACH, LEADERSHIP QUALITIES AND ETHICAL VALUES.

BAPUJI EDUCATIONAL ASSOCIATION (REGD.)



BAPUJI INSTITUTE OF ENGINEERING AND TECHNOLOGY

AFFILIATED TO VISVESVARAYA TECHNOLOGICAL
UNIVERSITY, BELGAVI,

ACCREDITED BY NBA AND NAAC WITH 'A' GRADE,
RECOGNIZED BY UGC UNDER 2(F) AND 12(B)

SHAMANUR ROAD, DAVANAGERE, KARNATAKA



TECHNOWAVE - 40 & 41 2021-23





INSTITUTION MANAGED BY BAPUJI EDUCATION ASSOCIATION

❖ Bapuji Educational Association	❖ S.P.S.S. P U Science College
❖ J.J.M. Medical College	❖ B.E.A. College of Education (B.Ed)
❖ S.S. Institute of Medical Sciences & Research	❖ Bapuji College of Physical Education (B.P.Ed)
❖ Bapuji Dental College & Hospital	❖ B.E.A. High School - (EM & KM) P.J. Extn.
❖ College of Dental Sciences	❖ B.E.A. Central Higher Primary School - (EM & KM)
❖ Bapuji Hospital	❖ B.E.A. High School - (EM) S N Layout
❖ Bapuji Child Health Institute & Research Centre	❖ Bapuji Higher Primary School - (CBSE)
❖ Bapuji College of Nursing	❖ Bapuji High School - (Kunibelkere)
❖ Bapuji School of Nursing	❖ S.P.S.S. Residential School - (Tholahunise)
❖ S.S. Institute of Nursing Sciences	❖ S.P.S.S. Junior College - (Tholahunise)
❖ Bapuji Pharmacy College	❖ S.H.S.S. Nursery Primary School - (Harihara)
❖ S.T.J. Rural Hospital (Channagiri)	❖ S.H.S.S. High School - (Harihara)
❖ Bapuji Institute of Engineering & Technology	❖ J.J.M. Medical College Boys Hostel
❖ B.I.E.T. & Management Studies (M.B.A.)	❖ J.J.M.C. Hostel for Women Sharavathi
❖ Bapuji Institute of Hi- Tech Education	❖ Smt. Rathamma Hostel for Women
❖ Bapuji Polytechnic	❖ Bapuji Hostel for Women
❖ Bapuji Academy of Management & Research	❖ Bapuji Dental College Hostel
❖ D.R.M. Science College (Degree)	❖ B.I.E.T. Campus Hostel
❖ D.R.M. Pre University College	❖ Kaveri Women's Hostel
❖ D.R.M. Science College (Non-Grant)	❖ Hemavathi Ladies Hostel
❖ A.R.G. College of Arts & Commerce (Degree)	❖ Nethravathi Ladies Hostel
❖ A.R.G. P.G. Centre	❖ Vedavathi Ladies Hostel
❖ A.R.G. Pre-University College	❖ Bapuji School of Nursing Hostel for Girls
❖ A.R.G. College of Arts & Commerce (Non-Grant)	❖ Dr. S.S.D.J. Ladies Hostel (Amrutha)
❖ R.L. Law College	❖ Ganga - Bapuji Nursing College Hostel for Girls
❖ A.V.K. College for Women (Degree)	❖ Bapuji International Hostel
❖ A.V.K. Pre-University College	❖ Bapuji B - Schools Executive Hostel
❖ A.V.K. College (BBM)	❖ Bapuji Sabhangana
❖ M.S.B. Arts & Commerce College	❖ SSNPS School

MESSAGES BY DIGNITARIES



MESSAGE FROM GOVERNOR



ಕಾಪರ್ಚಂದ್ ಗೆಹಲೋಟ್
थावरचंद गेहलोत
THAAWARCHAND GEHLOT
Governor of Karnataka

GS 218 MSG 2022

MESSAGE

*I am happy to know that **Bapuji Institute of Engineering & Technology**, approved by AICTE, New Delhi, is bringing out 40th Annual Magazine “**Technowave**” which documents the academic and other achievements and also provides a medium for creative expression and artistic talent of students & staff.*

I wish the editorial team, management and students a grand success.

(Thaawarchand Gehlot)

The Principal,
Dr. H.B. Aravind,
Bapuji Institute of Engineering & Technology,
Post Box No. 325,
Davangere – 577 004.

MESSAGE FROM VICE CHANCELLOR



ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಬೆಳಗಾವಿ

("ವಿ ವಿ ಎಂ" ಅಧಿನಿಯಮ 1994" ರ ಅಡಿಯಲ್ಲಿ ಕರ್ನಾಟಕ ಸರ್ಕಾರದಿಂದ ಸ್ಥಾಪಿತವಾದ ರಾಜ್ಯ ವಿಶ್ವವಿದ್ಯಾಲಯ)

Visvesvaraya Technological University

(State University of Government of Karnataka Established as per the VTU Act, 1994)

"Jnana Sangama", Belagavi - 590 018, Karnataka State



Dr. Vidyashankar S., B.E., M.E., Ph.D.
Vice Chancellor

Phone : (0831)2405454
(0831)2498223

Ref: VTU/VCS/ 2022-23/05

Date: 10-04-2023

Message

In the present era of highest competition, one has to develop multi-dimensional skills in order to excel in the society. Even, the present National Educational Policy -2020 gives more stress on imparting multi-disciplinary approach. A student along with his regular curriculum has to develop communication and other related skills during his stay at the institutes. A good manager is the one who can communicate effectively among his team members. Writing skill is one such mode through which one can communicate his approach.

I am extremely happy to note that Bapuji Institute of Engineering and Technology, Davangere is bringing annual magazine "Technowave" which contains articles, poems, photographs, etc. by the students. In addition to this I am also told that the magazine contains group photos of all the final year students along with their phone numbers and e-mail IDs. I feel that this definitely will give good opportunity to the students of BIET to exhibit their hidden literary talents.

I wish all the best to this excellent effort. I congratulate all the people involved in this work.


Dr. Vidyashankar S.
Vice Chancellor

To,
The Principal, Bapuji Institute of Engg. & Tech., Davangere.

MESSAGE FROM HON. SECRETARY



“Education is the manifestation of the perfection already in man”
-SWAMI VIVEKANANDA

Knowledge is like a flowing river which continuously mixes with fresh water and gets itself fresh. Knowledge has to be continuously updated in order to be in the field. In the present days of highest competition one has to develop a multi-disciplinary approach to solve complex real life problems. Hence, overall skill development process has to be given proper attention so that the student community will be able to take up any kind of assignments and serve the society in a better manner. Proper efforts are to be made for making learning an amicable and enjoyable experience by implementing an integrated approach with the right blend of academic, extracurricular and sports activities. Along with regular curricular teaching, a proper platform has to be provided to the students to exhibit and develop their cultural as well as literary talents.

In this direction BIET is very active and brings out an annual magazine “Technowave” every year. This magazine contains articles on various topics, poems, photos and paintings by the students. Along with this, the magazine also contains important information about the institute, so that the student after graduating can look into the magazine and cherish old memories.

I congratulate all the students and staff who have made untiring efforts to bring out this magazine. I wish them all the best and success.

(Dr. Shamanuru Shivashankarappa)

Hon. Secretary,

Bapuji Educational Association, Davangere.

MESSAGE FROM JOINT SECRETARY



My dear students of BIET....

It gives me great pleasure to write few words as a preamble for in-house institute magazine "Technowave". As I was told, this magazine is exclusively meant for bringing out hidden writing and other literary talents as a part of overall personality development process. I am highly sure that this magazine will help to acquire knowledge and skills, build character and ultimately enhance employability of our young talented students and make them globally competent.

The all-round progress of our students is of paramount importance and our most cherished motto as it will help them to be empowered with universal values which will ultimately help in nation building. I am really happy to note that students of BIET have made outstanding progress in academic, co-curricular and extra-curricular activities.

I congratulate all the students and staff of BIET for putting great efforts in bringing out this magazine "Techowave"

Wishing every one all the best and better future.....

S. S. Mallikarjuna
 (Sri. S. S. Mallikarjuna)

Hon. Joint Secretary,
 Bapuji Educational Association, Davangere.

MESSAGE FROM PRESIDENT, BEA



**Message by President, Bapuji Educational Association (R.),
Davangere....**

It's my pleasure to note that Bapuji Institute of Engineering and Technology, is bringing out an annual Magazine "Technowave" for the academic year 2022-23. I learnt that this magazine is basically designed to encourage student community of BIET to develop their literary talents. This is the one where students themselves involve in collecting articles, photographs, poems etc. written by students only and edit them in the form of a book. My heartiest congratulations to all the student community of BIET for this fruitful efforts.

I remember visiting cultural festival of BIET "Davana" conducted every year where students are provided a platform for exhibiting their cultural talents. Like this BIET provides different opportunities to all its students to exhibit their different hidden talents and get overall training to face this ever changing and competitive world. By best wishes to all the students and staff of BIET for this wonderful work.

A handwritten signature in black ink, appearing to read 'A. Ramananda'.

Sri. R. Ramananda
President

Bapuji Educational Association, Davangere.

DIRECTOR'S DESK



I joined this great institution in 1983 and became Principal of this institute in 1989. From the beginning I had a dream of providing an overall development atmosphere to the students so that they can excel and survive in this ever changing competitive world. From the inception of the institute (since 1979) an annual magazine “Technowave” is being brought out every year which provides students, a platform for exhibiting their literary talents. I introduced some changes and included addresses of all the final year students, so that they can be in touch when required. Later, E-mail ids and phone numbers are also added. In addition to this I also introduced a monthly magazine “Bitechvoice” in 1983 which contained details of activities of all the departments during that period.

Initially the institute had five disciplines and later I put efforts and added seven branches in engineering. All India Council for Technical Education was formulated by the then Government of India in 1986 and our institute got AICTE recognition in 1996. The institute has been three times accredited by NBA and I am proud to mention that the institute is assigned “A” grade by NAAC. Recently, the Institute is accredited by now NBA, New Delhi. The institute dream of providing world class education has been fulfilled as nearly 10,000 students are graduated from this institute and working all over the world.

In today’s era overall skill development plays a major role in building future of every student and focus has to be given to providing best possible training to every student. “Technowave” provides one such opportunity to students of our institute to exhibit their literary talents. I congratulate everyone who are involved in bringing out this annual magazine this year.

Y. Vrushabhendrappa.
(Prof. Y. Vrushabhendrappa)
 Director
 BIET

PRINCIPAL'S DESK



Today is the day of highest competition. One who has got the best education will survive in the world and serve the society. Also this is a fast changing world and one has to adopt quickly to be fit and successful. Education field is also changing very fast and needs continuous upgradation of the curriculum. Now it is a time to create student centric outcome based education environment where in a student himself decides what he has to become and what he has to study. The days of confining education to within the limited boundary are gone and multidisciplinary approach has to be inculcated among the student community. Hence, overall personality development is the key to success. A student along with regular curriculum should also be given input about different skills. Overall skill development plays a vital role in moulding the future of the student community. BIET puts continuous efforts to impart inputs for development of different skills. Some important skills to be developed are developing positive attitude, communication skills, learn to work in a team, literary talents, cultural talents, willingness to learn, problem solving and decision making, resilience, etc. By providing proper platforms, BIET tries very hard to develop these skills among the student community. "Technowave" is one such platform which is provided by the institute in which a student can exhibit and develop his literary talents. This is an annual magazine which contains articles, poems, paintings, creative photographs etc. by the student community of the institute. In addition to this, the magazine also contains group photos of all final year students along with their phone numbers and e-mail ids. Articles by the staff and photographs of the important events conducted during the year are also included. With hard efforts this 40th edition of "Technowave" is being brought about. My heartfelt congratulations and best wishes to all the students and staff who have put their whole hearted efforts in bringing out this magazine.

(Dr. H. B. Aravind)
Principal
BIET

EDITOR'S DESK



With a view to provide quality technical education to the poor rural students of central part of Karnataka, Bapuji Institute of Engineering and Technology was started during the year 1979 under the banner of Bapuji Educational Association. The institute has grown to be the centre of excellence in this region and one of the best in Karnataka. At present the institute offers degree courses in 13 different disciplines of engineering and the total intake of the college is 1060. There are 15 research centres recognized by Visvesvaraya Technological University. Four M Tech courses are also offered. Students of this great institute are working in different important assignments and have been spread all over the globe. Many have become entrepreneurs and very much successful. The reason for this achievement is an overall training to the students offered by qualified staff with the aid of modern facilities and well equipped laboratories. There are many platforms provided to the students to exhibit their different hidden talents. "Technowave" is one such platform which provides opportunity for exhibiting literary talents hidden among the students.

Articles, creative drawings and photographs, poems, etc. written by the students and staff, will be published in this magazine. Along with this, group photos, address, mail ids and phone numbers of all final year students are also included. Important information about the institute and photos of different prominent functions conducted during the year are also printed in the magazine.

Our sincere thanks to the Chairman and Management committee members, Director and Principal of our institute for providing us the opportunity to bring out "Technowave" for the year 2022-23. It was in fact a difficult task as due to COVID 19 pandemic last year issue was not brought out. We received large number of articles and our team sorted them out. The best ones are selected. This year large number of student participation has been witnessed. Our heartfelt thanks to all the staff and students of this institute who have helped us in bringing out this magazine. If this magazine has ignited the right literary fire among the student community our efforts are successful.

Dr. S. Suresh
Chief Editor
TECHNOWAVE (BIET)

BEA, GOVERNING COUNCIL MEMBERS

1.	Sri. Rajanahalli Ramanand	President
2.	Smt. K.A. Girijamma	Vice President
3.	Dr. Shamanur Shivashankarappa	Hon. Secretary
4.	Sri. S.S. Mallikarjuna	Joint Secretary
5.	Sri. A.S. Niranjana	Treasurer
6.	Dr. A.S. Veeranna	Member
7.	Dr. Prabha Mallikarjuna	Member
8.	Dr. Sampanna Muthalik	Member

BIET, GOVERNING BODY MEMBERS

1.	Dr. Shamanur Shivashankarappa	Chairman
2.	Sri. Rajanahalli Ramanand	Member
3.	Dr. A.S. Veeranna	Member
4.	Sri. S.S. Mallikarjuna	Member
5.	Sri. A.S. Niranjana	Member
6.	Dr. Prabha Mallikarjuna	Member
7.	Regional Officer, SWRO, AICTE, Bengaluru(Ex-Officio)	Member
8.	Industrialist/Technologist/Educationalist, Nominated by AICTE	Member
9.	Nominee of AICTE	Member
10.	Nominee of VTU, Belagavi	Member
11.	State Govt. Nominee, DTE (Ex-Officio)	Member
12.	Prof. Y. Vrushabhendrapa, Director, BIET	Member
13.	Dr. H.B. Aravind, Principal, BIET	Member Secretary
14.	Dr. K.S. Basavarajappa, Professor, Senior faculty, BIET	Member

EDITORIAL BOARD

CHIEF EDITOR DR. S. SURESH

EDITORS

Dr. G. P. Desai	Sri. R. S. Chikkanagoudar
Dr. M. N. Shiva kumar	Dr. G. Chidananda
Dr. C. P. Anila Kumar	Dr. Basavana Gowda S. N.
Dr. C. S. Vijaya Kumar	Dr. B. Suresh

STAFF COORDINATORS

Name	Department
Mrs. Manasa M. B.	Dept. of BT
Dr. Praveen Kumar D. G.	Dept. of CH
Mr. Waseem Khan	Dept. of CS&E
Mr. Nidarshana D. P.	Dept. of Civil
Mrs. Poornima G. N.	Dept. of E & C
Mrs. Deepasri K. M.	Dept. of E & I
Mr. Keerthi kumar	Dept. of E & E
Mr. Puneeth S.P	Dept. of IS&E
Dr. Sharan A. S.	Dept. of ME
Dr. Vikas K.	Dept. of Maths
Miss Ashwini R. K.	Dept. of CHE
Dr. Chaitra K.S.	Dept. of MBA
Mrs. Geetha M.	Dept. of MCA
Mr. Shashank	Dept. of TX

MAGAZINE SECRETARIES

AKSHAY B.M.	NAGADARSHAN.G.S
BHARATH M.N.	PROMOD.B.L
BASAVARAJ V.	AISHWARYA.H.T
HARSHA N.M.	NIKHIL
KARTHIK V.G	RUDRESH.S.U
RAGHAVENDRA	MOHAN. S.
SHAZIA KOUSAR	ROHAN.K.H.



JEWELS OF BIET
(VTU RANK HOLDERS AND GOLD MEDALLISTS)
2020- 2021 (14 RANKS)



JAMEER ASLAM BARGIR
 TEXTILE TECH.
 VTU GOLD MEDALIST &
 1ST RANK



K SUCHITRA
 M TECH
 ENVIRONMENTAL ENGINEERING
 VTU GOLD MEDALIST
 & 1ST RANK



HITESH DAS
 TEXTILE TECH.
 2ND RANK



YASHRAJ S PATIL
 CHEMICAL ENGG.
 3RD RANK



CHAITRA S
 TEXTILE TECH.
 3RD RANK



PRAMOD P
 TEXTILE TECH.
 5TH RANK



N B AKSHATHA
 TEXTILE TECH.
 6TH RANK



RANJITHA H K
 TEXTILE TECH.
 7TH RANK



PRAGATI G
 TEXTILE TECH.
 10TH RANK



MOHANRAJ B
 M.TECH
 ENVIRONMENTAL ENGINEERING
 3RD RANK



UMESHA H L
 M.TECH
 ENVIRONMENTAL ENGINEERING
 5TH RANK



BHOOMIKA K V
 M.TECH
 STRUCTURAL ENGINEERING
 6TH RANK



SWATHI R K
 MBA
 8TH RANK



MUHAMMED MANNAN
 M.TECH
 STRUCTURAL ENGINEERING
 10TH RANK



JEWELS OF BIET
(VTU RANK HOLDERS AND GOLD MEDALLISTS)
2021- 2022 (16 RANKS)



ANUSHREE SHRIKANT BHAT
 TEXTILE TECH.
 VTU GOLD MEDALIST &
 1ST RANK



HEMANTH A
 M TECH
 ENVIRONMENTAL ENGINEERING
 VTU GOLD MEDALIST & 1ST RANK



AMULYA S
 TEXTILE TECH.
 2ND RANK



SARVESH KASAT
 TEXTILE TECH.
 3RD RANK



POOJITHA S
 BIOTECHNOLOGY
 3RD RANK



CHANDANA K
 TEXTILE TECH.
 4TH RANK



AMBICA V LADWA
 TEXTILE TECH.
 5TH RANK



VEERAJ S B
 CHEMICAL ENGG
 7TH RANK



CHETANA P ANGADI
 TEXTILE TECH.
 8TH RANK



GOWRISHREE UMESH M
 BIOTECHNOLOGY
 9TH RANK



SHASHRIKA M EJANTKAR
 ELECTRONICS AND
 INSTRUMENTATION
 10TH RANK



CHAITRA G D
 M.TECH
 ENVIRONMENTAL ENGG
 3RD RANK



GANNA S V
 M.TECH
 ENVIRONMENTAL ENGG
 5TH RANK



MENAKA BADIGER
 M.TECH
 ENVIRONMENTAL ENGG
 8TH RANK



VIDHYASHREE N
 M.TECH
 STRUCTURAL ENGG
 8TH RANK



HARISH K M
 M.TECH
 STRUCTURAL ENGG
 8TH RANK

ABOUT THE DEPARTMENTS

DEPARTMENT OF BIOTECHNOLOGY

ABOUT THE DEPARTMENT

The Department of Biotechnology was established in the year 2002, and it is full-fledged with state-of-the-art teaching & laboratory facilities. The NBA-AICTE accredited the department and VTU, Belgaum recognized department as a research center and had received permanent affiliation. The department has experienced and learned faculties and engaged in research activities on Aeroallergens, Bacteriophages, Bio-pollution, Bio-fuels, Phyto-chemical Studies, Tissue culture, fermentation technology, etc. Currently there are 7 research projects ongoing funded by DBT, DST, Govt. of India, AICTE, ICMR, New Delhi, KSCST, VGST, Govt. of Karnataka. The students of Biotechnology Department have bagged ranks from Visvesvaraya Technological University, Belgaum. The department also organized seven National Conferences, one International Conference, FDP's, Six Environment Awareness workshops. The department has 10MOU's with industries for collaborative research and internships for students.

MAJOR FACILITIES/ RESEARCH FACILITIES:

The department has important and unique facilities to take up the projects of various disciplines. With the help of existing facilities Microbiological, Environmental, fermentation, Genetic engineering, Immunological, photochemistry, biofuel related works can be carried out.

The Lab/Research facilities include: High Pressure Liquid Chromatography, Phase contrast and Fluorescence Microscope, Hyper Spectral Camera, Lyophilizer, Gel-doc system, ELISA reader, Nano drop, Fermenter, Ultrasonicator, Trinocular Microscopes with camera and computer display, High end digital balances (Shimadzu), Biosafety cabinet, Laminar air flow chamber, Autoclave (Completely automatic), Bacteriological Incubator (digital), BOD Incubator (digital), Hot air oven, Major distillation units, Anaerobic chamber, Electrophoresis units to conduct all Genetic Engg & Immunological techniques and Air samplers.

R & D ACTIVITIES

Sl. No	Project Title	Principal Investigator	Funding Agency	Year	Amount Sanctioned in Rs.
1	Development of Pesticidal Vermiwash from selected Medicinal plants	Dr. B.E.Rangaswamy	NAIN Centre, Dept. of IT, BT and S & T (Govt. of Karnataka)	2020-21	2.56 L
2	Phages as Natural Nano-Medicines to Target Superbugs	Dr Manjunath N S	VGST Dept.of IT,BT, and S&T, Govt.of Karnataka	2021-22	10 L
3	Microbial Cellulose a Natural Biopolymer: Production and its Biomedical application	Dr. B.E.Rangaswamy	VGST Dept.of IT,BT, and S&T, Govt.of Karnataka	2021-22	10 L

IMPORTANT EVENTS CONDUCTED IN THE DEPARTMENT



PYTHON ENOVI – 2022 a Technical session was conducted in the Department of Biotechnology in association with Information Science Dept. on 23-02-2022.



Alumni Meet was organized on 07-05-2022 in the Department of Biotechnology.



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



The Department of Biotechnology as a forum activity of BIOLIT-2022 had organized cultural events in **BIO-FIESTA 2022**.

TEACHING STAFF



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Shekharappa
SSLC
Peon



Syfuddin
SSLC
Peon



Final Year students of 2021-22



Final Year students of 2022-23

DEPARTMENT OF CHEMICAL ENGINEERING

ABOUT THE DEPARTMENT

Department of Chemical Engineering, BIET, with an intake of 30 students, under Kuvempu University was established during the academic year 1996-97. At present, the department is permanently affiliated to VTU Belgaum. The department is recognized as Research Center and offers Ph.D. in Chemical Engineering. Department is accredited by "The Institution of Engineers India, Kolkata" and two times accredited by National Board of Accreditation (NBA), New-Delhi. Department is housed in a permanent building, which has seven laboratories, two lecture halls, a seminar hall, one drawing hall, five faculty rooms and a departmental reading room cum library with a built-up area of 1000 sq. meters and a fixed capital investments of around Rs. 2.00 Crores.

Department has 1 Professor, 1 Associate Professor and 3 Assistant Professors. Two faculty members have PhD degree. Department is actively involved in research activities and received research grant to the tune of 65 lakhs from Govt. agencies. Development of bio fuels like bio diesel, bio ethanol from biomass, pyrolytic oil from municipal solid wastes. VGST, Govt of Karnataka has sanctioned Rs 30 lakhs under CISE Grants, Sophisticated equipment like Super critical Extractor and FTIR have been imported at the cost of 27 lakhs. Average pass percentage of the students is 93% and the department students have bagged 16 University ranks including 3 first ranks. 52 student's projects have been sponsored by KSCST with a total financial grant of around 1.5 Lakhs. Many of our students have qualified in GATE, GRE and GMAT examinations and are pursuing higher studies in India and abroad. The department has very good placement record with 90% of students placed in on/off campus recruitments. Students of the department are working in reputed companies like TCS, MCF, BIOCON, CIPLA, BASF, Reliance, Jindal, Syngene, etc. Department conducts many events for the benefit of the students. Every year National Level Students' symposium "Chemexcel" is being conducted. In addition guest lectures/invited talks, industrial visits, in-plant training and group discussions are regularly arranged along with sports and cultural competitions.



IMPORTANT EVENTS CONDUCTED IN THE DEPARTMENT



Industrial visit to Shivamogga, Davanagere and Chitradurga Co-operative Milk Union Limited (SHIMUL), Machenahalli, Shimogga on 20th May 2022.



6th and 8th semester students Shanthala Spherocast Pvt. Ltd. Machenahalli, Shivamogga on 20-05-2022.



“CHEMEXON-2022” Non-Technical interdepartmental sports was organized



Department Organised “CHEMEXCEL-2022” National level Students Symposium on 29-06-2022.

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Dhanya Kumar K S
Peon



Mallikarjun A. P
Peon



Final Year students of 2021-22



Final Year students of 2022-23

DEPARTMENT OF CHEMISTRY

ABOUT THE DEPARTMENT

The Department of chemistry was established in this institute during the year 1979. The department was headed by an acclaimed Professors Dr.S.Manjappa and Dr. B.E.Basavarajappa. The department now is heading by Dr. H R Mallikarjuna.

The department is well established both in terms of infrastructure, qualified and dedicated faculty. The Chemistry department is also running a Technical Chemistry Lab of Chemical Engineering steam. The department is also providing the facilities to cater the needs of UG and PG students of different streams to carry out their academic project works.

The Department was recognized as first Research Centre under Visvesvaraya Technological University, Belagavi in the year 2002.The department offers Ph.D degree, 19 Ph.D's have been produced from this research centre and 3 are currently working for their Ph.D. The department is constantly publishing research papers in the journals of national and international repute. The department currently offers research in Inorganic Chemistry, Electrochemistry and Synthetic Chemistry.

Programmes Conducted For First Year Students: Student Induction Programme For The Year 2021-22:



Inauguration of Student Induction Programme 2021 and Invited talks by
Chief Guests Sri. C B Rishyanth, SP, Davanagere
and Sri Mahanthes Bilgi, DC, Davanagere
Teaching Staff

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Mr. J. K Prasanna Kumar
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Mechanic



Ramachandra
Peon

DEPARTMENT OF CIVIL ENGINEERING

ABOUT THE DEPARTMENT

The Department of Civil Engineering was established in the year 1979. It possess state of art facilities to cater to the needs of students. Department offers UG Programme in Civil Engineering, PG Programmes in Environmental Engineering and Structural Engineering and having two research centres. The department has well experienced faculties specialized in major areas of civil engineering. The department provides testing and consultancy services to various Govt. and Semi-Govt. agencies, contractors, construction industries & to public in Davangere. Department is accredited by NBA for three years from 2021 to 2024.

MAJOR FACILITIES

Department has all the necessary infrastructure and laboratory facilities needed for UG, PG and Research programs. In addition to this, department has setup a skill development laboratory having Analog Universal Testing Machine of 1000 kN capacity, Analog Compression Testing Machine of 2000 kN capacity with 3 gauges and accelerated curing tank.

The department undertakes industrial consultancy works as a part of its interaction with industry. It has generated revenue of 20 lakhs for the years 2021-23. Environmental Engineering laboratory is equipped with most of the sophisticated instruments including HPLC, GC and UV-Visible Spectrophotometer. The lab is also equipped with Atomic Absorption Spectrophotometer for heavy metal analysis in ppb levels. The lab is well equipped with Environmental biology facility to enrich, isolate and identify microorganisms.

IMPORTANT EVENTS CONDUCTED IN THE DEPARTMENT



Sri. H R Girish, Chairman – ICI Bangalore and ACCE (I) member handed over “Educational Institution Life Member to ACCE (I)” Certificate (Life Membership No. 7456) to the Principal Dr. H B Aravinda on 5th September 2022.

DEPARTMENT OF CIVIL ENGINEERING

During Internship, Technical talks were delivered by eminent resource persons from Industry and Academia. Visits to various Construction sites were also made during Internship.



Department Celebrated Teachers' Day on 5th September 2022.

 **Training Programme** on **Operation and Maintenance of Water Supply System in Tranche-1 Towns** 21st to 23rd November 2022



Organized by
State Institute of Urban Development (SIUD), Mysuru
In association with
Bapuji Institute of Engineering and Technology, Davanagere
Sponsored by
Karnataka Urban Infrastructure Development and Finance Corporation (KUIDFC), Bengaluru

DEPARTMENT OF CIVIL ENGINEERING



Forum Inauguration, Fresher's day and National Pollution Control Day was celebrated on 2nd December 2022. Sri. Kotresh K B, Retired Environmental Officer, KSPCB graced the occasion as chief guest. Sri. Kotresh K B planted a tree in Department's garden to commemorate National Pollution Prevention Day and also addressed the students about the ill effects of pollution.



Department organized five days hands-on-training on "Advanced Total Station, Drone and Autoplotted" from 5th to 9th December 2022. Dr. Chidananda G, Dr. Basavana Gowda S N, Sri. Raghu M E, Sri. G B Praveen Kumar, Sri. A R Chandrashekar Sri. Chetan S Gonn, Sri. Akash C Arakere, Sri. Sharathraj R M, Sri. Savan R G Basavaraj and Sri. Naresh Kumar C underwent the training. Training was given by the Technical persons of Lawrence & Mayo (India) Pvt. Ltd.



“Savi Nenapu”, an offline Alumni meet of BIET students was organized by the Institute on 24.12.2022. About 50 Alumni of Civil Engineering attended the meet and shared their past memories during their course of stay in BIET.



As a Part of “Mission Amrit Sarovar- Jal Dharohar Sanrakshan Internship” launched by Government of India, students have collected and tested the water samples of Santebennur Pushkarani, under the supervision of Dr. Nanjundi Prabhu. Laboratory investigations were made and a report highlighting the water quality based on test results and measures to improve the quality of water is prepared and submitted to AICTE.

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SRI. PUNITH
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Final year students of 2021-22 Section 'A'



Final year students of 2021-22 Section 'B'



M.Tech Structural Engineering and Environmental Engineering Students 2021-22



**Final year
students of 2022-23
Section 'A'**



**Final year
students of 2022-23
Section 'B'**



**M.Tech Structural Engineering and Environmental
Engineering Students 2022-23**

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ABOUT THE DEPARTMENT

Department of Computer Science and Engineering was established in 1984 as an academic centre for undergraduate studies in Computer Science and Engineering and currently offers undergraduate program with the intake of 180. Visvesvaraya Technological University recognized the R and D centre in the year 2000. There are 7 research supervisors and total of 13 scholars have been awarded with PhD degree under VTU. 17 scholars are pursuing their PhD as on today. Very proud to say that, undergraduate program has been accredited three times by NBA and is valid up to 2024. It is supported by well qualified faculty, non - teaching staff and best - in - class Infrastructure in imparting the quality technical education in the field of Computer Science and Engineering. The department strives hard to prepare the students to be industry ready along with motivating them towards higher studies as well as entrepreneurship qualities. It is the best opted department in central part of Karnataka and is well known for its university results, placements, industry and Alumni tie ups. Department is pro-active in hosting International and National Conferences, faculty development programs, Workshops, Learnathon, Hackathon and many more events for the benefit of students and faculty members. The Department of Computer Science and Engineering of BIET has been at the forefront of churning out software engineers with a high caliber of technical expertise. It continues to foster and engender the innovation and breadth of vision necessary to excel in the blooming software industry.

MAJOR FACILITIES

Department has all the necessary infrastructure and laboratory facility needed for UG and Research programs. In addition to this, department has setup a research lab under the grants received from Vision Group of Science and Technology, Govt. of Karnataka. The research lab consists of high end server, Drone, high performance camera and high end computing systems along with sensors for precision agriculture research project like, soil moisture temperature meter, soil tensiometer, soil nutrient tester, weather stations and portable plant nutrition analyzer. Department has also got equipment like Arduino Boards and Raspberry Pi 3 kits for students to take up project in the field of “Internet of Things”.

INDUSTRY INTERACTION

- Department has got tie ups major software industries like VMware, UiPath, I B M , T C S , Infosys, Skyscend and many more. Regularly student and faculty engagement with industry is practiced.
- Second year and Third year students were visited to “BEL-Bharath Electronics Limited”, Bengaluru on 18th December 2021.



Students and Faculties during Industrial Visit

IMPORTANT EVENTS CONDUCTED IN THE DEPARTMENT

Training Programs

The Training Program was conducted to students placed in “Skyscend India Private Limited” on 03rd February 2022.



Interaction with students during Training Program

MoUs and Collaborations

CS and E and Training and Placement cell has organized MoU Exchange Program with “Fresher Profile – Placement Assistance Portal” on 10/02/2022.



**Mr. Shivaprasad K and Mr. Santosh Navale, Fresher profiles, Bangalore,
Dr. Aravind H B, Prof. Y. Vrushabhendarappa, Dr. Nirmala C R
and all placement coordinators**

Department of Computer Science and Engineering is involved in signing 5 years of Membership with “ICT Academy Bangalore” on 17/02/2022. The department is responsible for executing all the activities of ICT Academy.



**D Vishnu Prasad, State head- Karnataka at ICT Academy, during ICT Academy
Associate Membership Certificate Exchange**

Seminar/FDP/Symposium

Department conducted the event “Soft Skills- Skills for life” under IQAC cell and in association with ISTE Student Chapter from 30-08-2021 to 04-08-2021 for 5th Semester students in view of forth coming placements.



Dr. Nirmala C R, HOD, Alumni Mr. Prajwal Prasad, Resource Associate Euromonitor International delivering the importance of "Soft skills- skills for life".

Inaugural session of "Women Empowerment Program" a CSR initiative of Honeywell implemented by ICT Academy was held on 6th September 2021.



Glimpses of Event



Inauguration of “Centre of Excellence for Women Empowerment” by Honeywell under ICT Academy on 23-10-2021.



Dr. Prabha Mallikarjun, and Mr. Suresh Babu, Head, ICT Academy Inaugurated “Centre of Excellence for Women Empowerment”

Internal Hackathon for “MANTHAN -2021” by MHRD Govt of India on 25-10-2021.



“Resume Building Workshop” for Pre-Final year students was conducted on 10th November 2021 by the resource person Mr. Thippeswamy Goravar.[Alumni -2006]
Glimpses of the Event





A Technical talk on **“Research Outcomes through Index Publications”** was delivered by **Dr. Jalesh Kumar, Professor, CSE Dept., JNNCE, Shimoga**, on 18th November 2021.



Inauguration of “BIET Premier League-13.0” was hosted by Department of Computer Science and Engineering on 10th December 2021 under the banner of UniCS.



Week-a-Thon, “Boot camp and IoT Project Development” Workshop in association with **ROVELABS** under IQAC cell, BIET was held on 30th and 31st December 2021.



Department Conducted event “Compliance of Scheme and Syllabus for all CSE/ISE: NEP-2021” in association with IQAC Cell, BIET was held on 28th January 2022 by the Resource person Dr. Shreedhar K S, Profesoor, CS&E ,UBDTCE, Davangere.



Inauguration of the event by the Resource Person

In connection with International Women’s Day 2022, Department of CS&E conducted “Ikebana: Flower arrangement Competition” for girls and lady faculty members on 14/03/2022



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

The inauguration of “**Internal Hackathon for SIH 2022**” function was held on 23-03-2022. **Rakesh L**, Director Ada Lovelace Software Pvt. Ltd., **Shreyas S Vernekar**, Co-Founder and CEO of Rove Labs Pvt. Ltd. and **Sunil K V**, DGM-IT, Davangere Smart City Limited are the Jury members for Evaluation



Dr. Roopa G M, **Dr. Gururaj T** and **Prof. Shwetha G** delivered the topic on “**Virtual and Augmented Reality changing Horizons in dentistry**” in Dental College of Science for Knowledge enhancement Program on 05th April 2022.



Writing is the new luxury
 “**LaTeX**” Workshop for 6th and 4th Semester students was conducted on 07th June 2022. **Mr. Sohan Jain**, 6th Sem was the resource person for the workshop.





Students participation in the Workshop

“FRISSION 2022” Branch Fest activities were conducted under the Banner of UniCS on 10th and 11th June 2022.



Inauguration of FRISSION-2022

RESEARCH FACILITIES



Soil Nutrient Analyzer



Plant Nutrition Analyzer



Weather Station



Soil Temperature Meter

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IT



Final year students of 2021-22 Section 'A'



Final year students of 2021-22 Section 'B'



Final year students of 2022-23 Section 'A'



Final year students of 2022-23 Section 'B'



ELECTRICAL & ELECTRONICS ENGINEERING

ABOUT THE DEPARTMENT

The Department of Electrical & Electronics Engineering was started in the year 1979 with an intake of 60 students. Department is duly recognized and accredited by National Board of Accreditation, AICTE, New Delhi and The Institution of Engineers (India), Kolkata.

It has a broad based UG curriculum & the syllabi of the courses are continuously updated and the laboratories modernized to reflect the rapid changes in technology. The department is equipped with the latest experimental and computational facilities meet the curriculum. The enrollment ratio of the students is more than 90%. The average results is 65% with more than 95% in final year.

The Department of Electrical Engineering, which has renowned as well as young and dynamic personalities as faculty, is involved in providing quality education to undergraduate level. Department has library facility. It also offers quality research in the Ph.D programs. Many scholars awarded their PhD degree in the area of Power systems.

The department has testing facilities for carrying out industry sponsored research and consultancy projects. Our students taken up number of KSCST sponsored projects in various areas. In 2021-22, one student project is awarded as the best project of the year by KSCST, Bengaluru.

Department has students forum with an objective is to provide a platform to exhibits hidden talent of students & to expose recent trends in engineering & science. Every year, students organized various technical & extra circular activities. Several lectures, workshops, and conferences are a regular feature in the Electrical & Electronics department. This is an opportunity to meet eminent speakers and exchange ideas. Regular technical tours are arranged to visit the electric power plants, substations, research institute switchgear industries etc.

Department conduct training programs for students. Every year about 80% of our final students placed in private and public sectors such as software companies, electricity board, hardware and construction companies.

IMPORTANT EVENTS CONDUCTED IN THE DEPARTMENT



Inauguration of Electrical forum by chief guest Sri. K C Komala, Executive Engineer



**Electrical forum Organised
Technical Talk on
“Role of T &D Interactions in
Voltage Stability”,
Dr. Alok Kumar Bharati ,
Iowa State University,
USA on 20.11.2021**



**Electrical forum
organised two
days hands on workshop
on
“IoT & its Prototypes”.**

ELECTRICAL & ELECTRONICS ENGINEERING

Bapuji Educational Association (B.E.A.)
BAPUJI INSTITUTE OF ENGINEERING AND TECHNOLOGY, DAVANAGERE
 Affiliated to VTU - Belagavi, Approved by AICTE New Delhi & Recognized by Govt. of Karnataka
 Accredited by NAAC 'A' Grade

Department of Electrical & Electronics Engineering
 A Technical Talk
 On
"ROLE OF T&D INTERACTIONS IN VOLTAGE STABILITY"

Resource Person
Dr. ALOK KUMAR BHARATI
 Researcher
 Iowa State University
 Ames, IA, USA

Prof. V. Vrushabhendruppa
 Director

Dr. H B Aravind
 Principal

Dr. M S Nagaraj
 Program Coordinator

Venue: Swamy Vivekananda Seminar Hall
 Date: 20-Nov-2021
 Time: 10:00 AM
 Staff Conveners – T S Karibasavaraju
 Niranjan S H

Bapuji Educational Association (B.E.A.)
BAPUJI INSTITUTE OF ENGINEERING AND TECHNOLOGY, DAVANAGERE
 Affiliated to VTU - Belagavi, Approved by AICTE New Delhi & Recognized by Govt. of Karnataka
 Accredited by NAAC 'A' Grade

Department of Electrical & Electronics Engineering
 A Technical Talk
 On
"ROLE OF T&D INTERACTIONS IN VOLTAGE STABILITY"

Resource Person
Dr. ALOK KUMAR BHARATI
 Researcher
 Iowa State University
 Ames, IA, USA

Prof. V. Vrushabhendruppa
 Director

Dr. H B Aravind
 Principal

Dr. M S Nagaraj
 Program Coordinator

Venue: Swamy Vivekananda Seminar Hall
 Date: 20-Nov-2021
 Time: 10:00 AM
 Staff Conveners – T S Karibasavaraju
 Niranjan S H

Electrical forum Organised Technical Talk on “Indian Power Scenario”, Sri Umesh D H, Executive Engineer, TQ&AC, BESCOM , Chitradurga on 23.04.2022



Electrical forum Organised Vidyuth-22 an inter department fest on 06.06.2022 and some events are conducted like Tug of war, Think link Sync, Food for you, Golden Time, Beg borrow and Steal, High Five



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ELECTRICAL & ELECTRONICS ENGINEERING



Final year students of 2021-22



Final year students of 2022-23

ELECTRONICS & COMMUNICATION ENGINEERING

ABOUT THE DEPARTMENT

Department of Electronics & Communication Engineering was established in the year 1979 with a vision to promote and maintain academic and professional excellence in technical education and research field. The department has well qualified, self-motivated, experienced and committed teaching talent whose main focus is on the Teaching- Learning with the right balance in research. Presently department has Nine doctorates and three faculties who have registered for their Ph.D program have completed Comprehensive Viva. The Institute is accredited by NAAC in 2017 with A Grade and the department has been accredited five times by NBA, AICTE, New Delhi. Recent accreditation is for the period 2021-2024. Since its inception, student intake for E&CE branch has gradually raised from 30 to 120. The pass percentage of final year students is above 95% consistently. The department has to its credit a total of 36 ranks under Mysore/ Kuvempu/ Visvesvaraya Technological University. Department has been recognized as Research centre since 2020.

Department has adequate infrastructure. The laboratory facilities include sufficient number of personal computers with LAN connectivity, internet facility and state-of-the-art software packages and hardware worth approximately 1.5 Crores and are regularly upgraded. Department is equipped with LCD projectors for lecture delivery, seminars and demonstration purpose in addition to ICT enabled classroom. In addition to Central Library, Departmental Library has 2549 volumes with 473 titles, which includes academic and competitive related books that can be accessed by faculty and students. Five sponsored projects have been executed by the department under TAPTEC & MODROB of AICTE, New Delhi. The Karnataka State Council for Science & Technology (KSCST), Bengaluru, has sponsored 148 projects from Department of E&CE of which 37 projects have been selected for State Level Project Exhibition and Seminar. Four times the department has won Best Project of the Year award, instituted by KSCST, Bengaluru. Every year two to three projects are selected by KSCST. Consecutively for three years 2016 to 2018 final year projects have received BEST Project award from ISTE. Two Final year projects are also selected under VTU Foss. Institute and VTU funding is provided for two best projects each since 2019.

- Proindo Keys, a project under New Age Incubation Network (NAIN) sanctioned with an amount of Rs.170000/- is completed.
- AICTE- ISTE ORIENTATION/ REFRESHER PROGRAM (AICTE quality Improvement Scheme-2021-2022) titled Electronic Assistive Devices was conducted with sponsoring amount of Rs.90000/-.
- One week FDP on Embarking on Open Source Software in an Engineering & Research journey in association with FOSS group,VTU,Belagavi from 19th to 24th April 2022 was organized which was sanctioned with an amount of Rs.60000/-.
- Under Continuing Education Programme (CEP), few of the faculty members have submitted their course materials.
- Faculty have filed and published Indian patents.
- The faculties are actively involved in research activities and have presented/published technical papers in various National & International Journals/Conferences.

MOU's

- TMI Systems, Bengaluru
- Tessolve Semiconductors Pvt. Limited, Bengaluru
- VI Solutions, Bangalore.

To keep updated with current technologies FDP/Workshop/Seminars are regularly organized in association with industries. Faculty interact with other institutions for delivering expert lectures, as resource person for workshop and Chairing sessions in Conferences. In-house Value Added Training programs will be organized by faculty for the students. Department has the credit of organizing First National Conference on Recent Advances in Electronics and Communication Engineering NCRAECE-17 on 13th October 2017. Faculty are member to professional bodies like ISTE, IETE, and IE & IEEE.

The students are not only encouraged to excel in their academics but continuously motivated and encouraged to involve themselves in various co-curricular and extra-curricular activities. This is achieved through EC Forum by organizing various technical seminars, workshops and invited lectures exclusively for the students by renowned persons from industry, academics and R&D centers. This helps the students to be exposed to the emerging and state-of-the-art technological developments in EC arena. EC forum provides an excellent platform for students to exhibit their talent during E-Utsav, a Technical cum Cultural fest held every year and other such events. A State Level Paper Presentation Event-PAPYRUS is organized under the forum since 2015. A State Level Project exhibition Cognition is organized under the forum since 2018. EC forum hosts the inter-department NB Cup Cricket Tournament for boys since 1999 and Throw ball for Girls from 2018.

Rishiketu Chand and team won the National level Smart India Hackathon-22 organized by Ministry of Rural Development and participated in International level UIA Hackathon.

Along with ISTE Students' chapter, IETE Students' forum (ISF) was initiated in the year 2017 under IETE Center, Shivamogga. Student activities are regularly conducted under this forum. Under IETE and EC forum, SIDDATHA in vision of preparing students for GATE, IES, PG CET & Campus Recruitment is organized. Department is proud to state that Mr. Darshan Hadadi has bagged 10th Rank for the academic year 2018-19. Aishwarya K.M has bagged 10th Rank for the academic year 2019-20.

Scope for the higher studies in India and abroad in Electronics & Communication are excellent and diversified. Our alumni are spread across the globe and have pursued higher education both in India & abroad in various esteemed institutions and universities. Many of our alumni are doing well in their chosen areas and are well placed in excellent organizations like Qualcomm, Cadence, AMD, Intel, Tessolve Semiconductors, Insemi Technology, Texas Instruments, Cypress, ISRO, BEL, Mistral, TCS, HCL, Mindtree, Wipro, iNube Software Solutions Pvt. Ltd., CLEO and so on. It is of great privilege to inform that few of our alumni have emerged out as successful entrepreneurs, excelled in Civil services, working for NGOs.

MAJOR FACILITIES:

Department has all the necessary infrastructure and laboratory facilities needed for UG programs. In addition to this, the department also set up a new research lab. There are adequate numbers of personal computers with LAN connectivity, internet facility and necessary software tools for laboratory -Xilinx software package, MATLAB, Lab VIEW, Keil C51 Compiler, Dev C++ compiler, NCTUNS simulator, Cadence tool- VLSI Design Software Analog & Digital FE & BE. Hardware equipment are Digital Storage Oscilloscopes, Digital IC Trainers, TMS320C6713 & TMS320C5416 DSK trainer modules (floating point) with accessories, LG Lite kits with accessories, Universal FPGA/CPLD kits, Embedded Controller Trainer kits- ARM Cortex M3, Microwave Integrated Circuits (MIC), Optical Fiber Trainer Kits, Moku GO M2 Bundle Kit, Public Address System.

IMPORTANT EVENTS CONDUCTED IN THE DEPARTMENT

BEL visit - Industrial visit to BEL on 16th Dec 2021 with 190 students and 10 professors as a part of Azadi Ka Amrit Mahotsav exhibition 2021.



Siddanagowda G N, Alumnus-2015, Manager, Western Digital, Bangalore, carried out training session on Embedded system from 27th November 2021, every Saturday (duration of four weeks) for V sem students.



Visit to Tessolve Semiconductor Pvt. Ltd., Bangalore

Tessolve semiconductors conducting training program for VIII Sem students twice in a week from 23rd April 2021 for a duration of four weeks



Inauguration of one week FDP on Embarking on Open Source Software in an Engineering & Research journey



Mirza Quadir Baig, alumnus 2016, Area officer, Krishnapatnam port, Indian Railway traffic service, Ministry of Railways, Govt. of India, presented an Awareness session on Competitive Exams to V sem students on 02nd November 2021.

ELECTRONICS & COMMUNICATION ENGINEERING



Webinar on Universal Human Values and social Responsibilities among youth by Sri. Kailash Satyarthi, Nobel Peace Laureate, Organized by VTU, Belagavi on 11th January 2022.



Mr. Honnappa M, Deputy Superintendent of Police in CISF at Ministry of Home Affairs, Government of India addressed VI sem students on Awareness towards UPSC and other Government opportunities for Engineering graduates on 11th May 2022.

ELECTRONICS & COMMUNICATION ENGINEERING



Siddanagowda G N, Alumnus-2015, Manager, Western Digital, Bangalore, carried out training session on Embedded system from 27th November 2021, every Saturday (Duration of Four Weeks) for V sem students



Presentation on Electrical Vehicle Lab setup at Dept. of E & CE by Mr. Suraj, Co Founder and CEO Decibels Labs Pvt. Ltd. On 27th January 2022.

ELECTRONICS & COMMUNICATION ENGINEERING



Hands on session PRAYOGeeK board was conducted by Ranjith Patil N on 5th March 2022 from 10AM.



One week AICTE-ISTE approved Orientation/refresher program on Electronic Assistive Devices from 7th to 13th January 2022.



Conducted Two day workshop on Electronic Circuit Prototyping and Application Development in association with Altilogic Technologies for III Semester students on 7th & 8th February 2022



Conducted skill development program for 1st year students on Simple Electronic Circuits and Their Applications from 14th to 22nd March 2022

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ELECTRONICS & COMMUNICATION ENGINEERING



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Final year students 2021-22 Section 'A'



Final year students 2021-22 Section 'B'

ELECTRONICS & COMMUNICATION ENGINEERING



Final year students 2022-23 Section 'B'



ELECTRONICS & INSTRUMENTATION ENGINEERING

ABOUT THE DEPARTMENT

The Department of Instrumentation Technology was started in the year 1991 with an intake of 30 students and renamed as Electronics and Instrumentation Engineering in the year 2012. ELECTRONICS & INSTRUMENTATION ENGINEERING stream covers subjects from various branches such as chemical, mechanical, electrical, electronics, biomedical and computers. This helps in making a switch to other disciplines, if anyone wishes to after completion of the UG. Instrumentation engineering is a specialized branch and it deals with measurement, control and automation of processes. The department has a total instructional area of 957 Sq. Meters. The department has qualified and experienced faculty and technically competent supporting staff on its role. Faculties are involved in active research work in the field of sensor, sensor data fusion, signal processing, image processing and presented/published papers in International/National Journals and Conferences.

The department is actively engaged in industry-institute interaction. The department forum conducts Lectures, Seminars, Training programs, Workshops and co-curricular activities. The department also organizes industrial visits to help students to update their knowledge.

IMPORTANT EVENTS CONDUCTED IN THE DEPARTMENT



Industrial visit to BEL on 17th Dec 2021 with 15 students and 2 Professors as a part of Azadi Ka Amrit Mahotsav exhibition 2021.





Inauguration of INTECH-2022



Chaduranga



Chaduranga



Prize distribution for Winners of Kabaddi



Faculty Participated in Plantation program



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Final Year students 2021-22



Final Year students 2022-23

INFORMATION SCIENCE AND ENGINEERING

ABOUT THE DEPARTMENT

The department was established in the year 2000 with an intake of 60 students, increased to 120 in the year 2007, 150 in the year 2021 and 180 in the year 2022. Information Science research center was also established in the year 2021. The department is equipped with all necessary infrastructure and laboratory facilities. Keeping in view of the vision of the department, the department is working to achieve excellence in various aspects such as, students' performance, effective teacher-student relationship, imparting quality education to students, motivating faculty and students towards research and imbibing best human qualities in students. The department has a strong and active Forum INSYNC helping in all-round development of the students through various Technical Workshops on Recent Technologies like Artificial Intelligence and Machine Learning, Big Data, Cloud Computing, Python, Android, IoT etc. Extensive placement trainings are conducted to improve employability of the students. The department has recognized by IIT Bombay as one of the remote center. It uses an ICT enabled process to actually reach out and engage a large number of teachers and students. The department has established Industry 4.0 Center of Excellence in collaboration with Rovelabs, Bengaluru to adapt itself to the rapid advancements in various specialized fields.

IMPORTANT EVENTS CONDUCTED IN THE DEPARTMENT



Industrial visit to BEL on 16th Dec 2021 with 190 students and 10 professors as a part of Azadi Ka Amrit Mahotsav exhibition 2021.

CENTER OF EXCELLENCE IN ASSOCIATION WITH ROVE LABS



**Mechanical and Electrical Power
Tool Station**



Advanced SMD Soldering rework station



**Rapid Electronic Prototyping &
Development Components**



View of Projects show case



**Products developed under COE
Under Water Robot**



Automatic Hand Sanitizer

IMPORTANT EVENTS CONDUCTED IN THE DEPARTMENT



INSYNC Forum of Information Science and Engineering department at Bapuji Institute of Engineering And Technology, Davangere had organized webinar on “FULL STACK DEVELOPER” on 23-06-2021, sponsored by IEL.



“INTERNET OF THINGS” workshop organized for 5th semester students of IS&E Department on 23-10-2021, Sponsored by ROVE Labs.



CULTURAL EVENTS

DAVANA 2022



ARCH MAKING MAING



PHOTO CORNER



FACE PAINTING



MIME

DAVANA 2022



RECEIVING ROLLING SHIELD IN DAVANA 2022



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Final year students of 2022-23 Section 'A'



Final year students of 2022-23 Section 'B'



DEPARTMENT OF MATHEMATICS

ABOUT THE DEPARTMENT

Department of Mathematics is established in the year 1979. It has been harnessing precious human resources in order to cater the needs of mathematical concepts for the students to acquire Engineering skills. Department of Mathematics is committed to transform the knowledge of Mathematics being applied in Engineering challenges. The Department is witnessing to deliver quality teaching to design the education through continuous teaching learning to qualify the students to accept the global challenges and inspiring the students with strong Mathematical foundation. Presently nine faculties are working in the department out of which six are with Ph.D. The Department of Mathematics was recognized as Research Centre by Kuvempu University on 08 -04-2005. Two candidates were successfully awarded Ph. D. in the research area: Mathematical Modeling in Biomechanics and industrial systems under the supervision of Dr. K.S Basavarajappa, Prof. and Head. Later the department of Mathematics is recognized as Research Centre by Visvesvaraya Technological University (VTU), JnanaSangama, Belgaum on 25-03- 2008. Five candidates have been successfully awarded Ph.D. under the guidance of Dr. K.S Basavarajappa under VTU, Belgaum. Two candidates have been successfully awarded Ph.D. under the guidance of Dr. N.S Basavarajappa under VTU, Belgaum. Around seventy research papers have been published in reputed National and International Journals. At present two research scholars are working for Ph. D. degree and thrust areas of research are Numerical Methods, Differential Equations, Fluid Mechanics, Bio fluid mechanics, Statistical methods, Mathematical Modeling, differential geometry, ContactKahler, Finsler Manifolds, Graph theory and Topological Indices.



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DEPARTMENT OF MECHANICAL ENGINEERING

ABOUT THE DEPARTMENT

Mechanical Engineering – a core engineering discipline – plays a central role in creation of the materialistic world. The department offers undergraduate, postgraduate programs in Machine Design and Thermal Power Engineering. Department also had a Research Centre and Product Development Cell.

The department has a team of highly qualified, dedicated and experienced faculty in order to contribute to the technical education and research, which helps to old young engineers by igniting their minds. In addition to academics, the department strives for the holistic development of students by arranging various activities like seminar, conference, workshops, industrial visit, training & placement activities. Students are also encouraged to carry out in-house projects and motivate them to apply for grants from national agencies like KSCST, AICTE and DST. The department believes in preparing ethical leaders who are not only committed to Industry but also to the serve the society through Entrepreneurship.

The department is actively encouraging the students for co-curricular and intercollegiate activities and sports. Students have received several awards and appreciations in these activities. The department has a vibrant alumni network, through which the alumni are sharing their views. The department conducts interaction programs with distinguished alumni and the current students. Our alumni are pursuing higher studies in various reputed institutions in India and premier foreign Universities across the world in diversified field in Mechanical Engineering. Some of our distinguished alumni are serving in reputed organizations in higher positions. Few alumni are also serving in Government organizations and public sectors after qualifying UPSC and KPSC exams.

IMPORTANT EVENTS CONDUCTED IN THE DEPARTMENT



Department of Mechanical Engineering organized an online webinar on “Internship to Meet Corporate Expectations” on 18th August 2021. Dr. Sekhar S Iyer, Director MBA Program, Vivekananda school of Management Studies, Puttur, Dakshina Karnataka, was the invited speaker.



Sri Manjunath B V delivered a talk on Future Mechanical Engineers & Design and Development of Mechanical Systems for Aircraft and Helicopters

Game session for Freshers held on 13-12-2021

3rd and 5th sem students were played different games under the guidance of Final year students the list of games include paper ball tapping, Nut balancing with sticks, cup and ball, post-it- shoot out cultural activities like singing, dancing, mono acting etc..



Winners of the Freshers day Activities

Sri. Krishnamurthy.M Elite Institute of Technology, CAE Training and Engineering Solution Hub, Davangere. He has worked for Boeing, Airbus, Satyam, Hcl etc. was delivered technical talk on usage of MSC-NASTRAN/ PATERAN Software Applications in Aerospace Engineering. This seminar Mech Forum. HOD Dr. G. Manavendra, Forum coordinators D.E. Umesh and Mohan T R and about 70 students attended the program. On 18-12-2021



Mr. Mohan Kumar L Cadd Centre Davanagere, he delivered a technical talk on “Emerging trend in Mechanical Engineering” This seminar Mech Forum. HOD Dr. G. Manavendra, Forum co ordinators D.E. Umesh and Mohan T R and about 70 students attended the program. On 05-05-2022



Royal Premier league (RPL) interdepartmental cricket tourment was conducted by ROYAL MECH FORUM, intially leage matches were held among the teams. And Final match was held on 30THMay 2022, EC Sparkers v/s Kalashnik , Kalashnik cricket team won the Final match.



YANTRIK 2022 National Level Student Symposium.

Forum of Mechanical Engineering Department, B I E T is organizing a National Level Student Symposium YANTRIK 2022 on 9th and 10th June 2022. The main aim of conducting this program is to bring out the innovative and creative ideas and hidden talents of the students in technical field. This program is open for the students of various engineering colleges from different parts of India. The most talented students will be honored with certificate of appreciation and cash prize. Activities such as Blood Donation Camp, Paper presentation , Mr. Mechanic, Art , Quiz etc.. Were Conducted during YANTRIK 2022



INAUGURATION OF YANTRIK 2022



Blood Donation Camp was organised by Royal Mech Forum on 9-6-2022 in association with **INDIAN RED CROSS WING, NSS Unit BIET** and Dept. of Sports.
Total 68 students have donated the blood

Various activities conducted During YANTRIK 2022



Certificates were issued by **INDIAN RED CROSS WING** to all Blood donors



Paper presentation



Mr. Mechanic



Art

**Quiz**

Prize distributed by Chief guest. Nithin Jadhav Assistant Executive Engineer, KRIDL Davanage



Mr. Sunil Rao Managing Director, DMG MORI and Mr. Prashanth Guruprasad Vice-president, National Sales, DMG MORI, Bangalore, he delivered a technical talk on "Emerging trend in Mechanical Engineering" This seminar Mech Forum. HOD Dr. G. Manavendra, Forum coordinators D.E. Umesh and Mohan T R and about 80 students attended the program. On 20-07-2022



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Final year students of 2021-22 Section 'A'



Final year students of 2021-22 Section 'B'



Final year students of 2022-23

ABOUT THE DEPARTMENT

Bapuji Institute of Engineering and Technology was established in the academic year 1979-1980 and came in to being on 1st September 1979. Department of Physics, which was one of the very few earliest departments, started functioning on the same day itself with four senior staff from sister institutes as the founder faculty. In the beginning the laboratory facilities of DRM Science College were utilized. In the academic year 1983-84 the independent laboratory was temporarily established in Workshop complex. Later the laboratory was shifted to BIET Boys' hostel premises. In the year 1986, a complete independent laboratory with all the ultramodern sophisticated equipment and facilities required to train the Engineering students and carry out Research activities was established in the Science and Textile Block I-floor, with a floor area of 2700 Sq.ft. The staff members of the department put hard efforts to train the students, which is very well demonstrated in the overall result in both theory and laboratory subjects. The average result of all these years is more than 95%. The department faculties are actively involved in publishing and presenting research papers in Technical Journals and Conferences of National and International repute. Staff is also involved in research activities leading to Doctoral Degree. Dr. Krishna Kumar obtained his Ph.D. from VTU, Belagavi, during 2019 and Dr. Niranjana awarded Ph.D from Mangaluru University, Mangalore during 2019.

The department was headed by an acclaimed Professors Prof. M. S. Devendrappa and Smt. Geetha V.K. The department now is heading by Dr. Krishna Kumar T.K. The department is also providing the facilities to cater the needs of UG and PG students of different streams to carry out their academic project works.

The Department was recognized as Research Centre and offers Ph.D degree under Visvesvaraya Technological University, Belagavi in the year 2022. The faculty members are also actively involved Societal Responsible activities through National Service Scheme and AICTE activity point program.

DEPARTMENTAL ACTIVITIES

The Department of Physics organizing the activities under Science Forum, for the students in overall development other than teaching – learning process. The major events organized are, Student Induction Program, Project Exhibition, National Mathematics Day, Webinars and National Science Day. On these occasion the following events were organized, namely:

1. Quiz competition
2. Power point presentation on selected topic
3. Invited lectures on personality development
- 4 National conference and seminars
6. Debate completion
7. Drawing, Essay and Collage Competition.

The Societal Activities through AICTE Activity Point Program for first-year Engineering students in and around Davangere. It helps to inculcate social awareness among the student fraternity regarding the issues like Swatch Bharath, Green Environment initiatives to save the earth and creatures, educating the rural school children, socio-economic problems of rural people through the survey on medical issues, gender issues etc.,



Celebration of National Science Day 2021.

$$\alpha_0 \leq \pi/2 + 2\pi k, \quad p = 2\gamma_0 + (1/2)\pi$$

$$\cos [(p - j)\theta - \alpha_j] + \rho^j, \quad p = 2\gamma_0 + (1/2)\pi$$

$$\mu \quad \rho^p > \sum_{j=0, j \neq p}^{\infty} A_j \rho^j, \quad \Delta_L \arg f(z) = (\pi/2)$$

$$\prod_{k=1}^{\infty} (u + u_k) G_0(u), \quad p = 2\gamma_0 + (1/2)\pi$$

$$\rho(x) = -G(-x^2)/[xH(-x^2)]$$

$$2\gamma_0 \quad \rho^p > \sum_{j=0, j \neq p}^{\infty} A_j \rho^j, \quad -\pi/2 + 2\pi k$$

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Peon



Sri. C.B.Patil
Peon

DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

ABOUT THE DEPARTMENT

The Department of MBA was established in the academic year 1996. BIET-MBA Programme is a flagship of BEA, located on an extensive state-of-the-art campus in Davangere. Institute is offering a master's degree in management under MBA Programme – Bapuji Institute of Engineering & Technology (BIET-MBA) One of the very few exclusive campuses in the state of Karnataka, with world-class infrastructure and learning ambiance.

Corporates looking for skilled, self-aware managers who can take global problem, act creatively in uncertain, ambiguous environment, and getting things done in complex situations. To achieve these goals, BIET-MBA Programme emphasize three inter-related components: “knowing”, “doing” and “being”. SKILL DEVELOPMENT PROGRAMMES help them to build their profile through time tested pyramid approach of “Discover”, “Understand” and “Practice” for success in EMPLOYABILITY and ENTREPRENEURSHIP.

One of the Oldest and most stylish and let's not forget most power packed Management Institute is now all poised to take on new challenges after 25 years of Its existence.

The student experience at Bapuji B-Schools is a voyage to the realms of knowledge burnished with practical exposure to the corporate world. All resources of the Institute are completely directed towards achieving a total transformation of students from raw B-School aspirants to consummate graduates. The endeavor is to provide students with the right touch of intellectual exposure to stimulate the students inquisitive mind in order that he/she explores the talents within and blossoms into successful Individual.

Powered by inspiring faculty coupled with world-class ambience, it has etched a benchmark in Management Education. It has opened the floodgates of opportunities to many rural students thereby transforming their lives.

All one needs to bring is an open mind and learning attitude. At Bapuji B-Schools, we believe in providing the students, a state-of-the-art infrastructure, quality education, hands-on experiences and an encouraging environment to develop ones skills. We welcome all those who have an urge to learn and be a part of this learning environment.

Industry Institute Interaction: Industry Institute Interactions is quite strong and as a part of curriculum students are visiting Manufacturing industries to do the internship. Industrial experts are regularly invited to the department to address the students through seminars and symposiums.

Major Facilities: The Business lab facilities and the infrastructure are excellent, regularly upgraded and well supported by the institute. The department is well equipped with latest configuration of personal computers. There are adequate number of personal computers with LAN connectivity, internet facility and software packages. Department is equipped with overhead projector, LCD projectors for Class rooms, separate department auditorium, library facility, seminar hall, Executive hostel facility, Green campus.

Training programs: Skill development programmes, Excel training programmes, communication lab, workshops on career options in finance, seminar on Job ready certification programme are conducted at the department.

MOU's and Collaborations: Accutech Agro Pvt Ltd Davangere, P S K Pharma Private Limited, Velkast Foundries, Prashanth Industries Davangere, Synthite Industries Ltd, Dheya Events And Promotions, Focus 4-D Career Education Private Limited.

Seminars/FDP/Symposiums: Department invites eminent persons from various organization and arranges seminars on various thrust areas of management to enhance skills of students beyond the curriculum prescribed by the university. A seminar on Job – Ready certification programme offered by upgrade was organised for final year students. Symposium on Crypto currency by Mr. Vishvas B S Rao, Vice president and Head, Quality Kiosk Technologies, Bangalore and Mr. Shekar Pampapathi, Stock and crypto analyst, Davangere. Symposium on Experiencing 2030 in 2020 by Mr. Chintamani Patil, Regional Manager, Tally Education Private Ltd, Bangalore, Mr. Sujith Kuttiyan, Senior Key accounts Manager, enterprise Business Monster India and Mr. Narahari L T, Robotics Specialist, Diageo India Private Limited, Bangalore. Symposium on the Topic “Corporate Securities and Government Bonds” by Mr. Vijay Shastrimath, Assistant General Manager, Karvy Capital Ltd., Bangalore. and Mr. Harshanarayana K, Manager Treasury, Ujjivan Small Finance Bank, Bangalore. 21st Faculty Development Programme for graduate and post graduate teachers on the topic on “Learning Python Programme for Problem Solving” by Mr. Sangamesh K S, Consultant, Hoonar Tekwurks Consulting LLP Analytical Consulting, Freelancer Data Science Trainer – Beingdatum, Bhubaneswar, Odissa.

R & D Activities: Dr. Sujith Kumar S H, Professor & Head of the department is guiding four Research Scholars. FDPs are organised at the department, four faculty members of department have enrolled for Ph.D. work under various universities. As a part of their research work faculties have published papers in various journals.

Research Facilities: Business Lab Facilities, Library books, journals are provided for research work at the department.

Articles:

- ▶ Dr. Prakash S Alalageri and Dr. Swamy Tribhuvananda H V, published an article in the journal IJIP, title “ COVID – 19 and Human Life – A study with reference to different aspects of life “with ISSN 2348 – 5396, Volume 9, Issue – 1, Jan – March -2021.
- ▶ Prof. Vijay K S and Prof. Shruthi K published an article in the journal IJCRT, title “ Economic inclusivity of women an act of gender equality for economic growth and sustainability” with ISSN 2320-2882, Volume 9, Issue-1, Jan -2021.
- ▶ Prof. Shruthi and Prof. Sahana C Y, published an article in Compliance Engineering Journal, title “A study on understanding the work life balance and emotional Intelligence” with ISSN 0898-3577, Volume 11, Issue - 8.
- ▶ Dr. Chaitra K S published an article in the Journal IJCRT with the title “Performance Evaluation of Selected Small Cap Mutual Funds an Overview” with Volume 9, Issue – 12, Page No: 335-346, ISSN 2320-2882.
- ▶ Prof. Vijay K S published an article in the Journal IJCRT with the title “Economic Inclusivity of Women an Act of Gender Equality for Economic Growth and Sustainability” with Volume 9, Issue – 1, Page No: 115-123, ISSN 2320-2882.

IMPORTANT EVENTS CONDUCTED IN THE DEPARTMENT



Programme on Inauguration of MBA 2021 – 2023 batch and 25th Foundation day has been organised at the department on 17- 02-2022. Chief guests and foundation day speaker Sri. Ajay Kumar Gupta, Senior President and Unit Head, Grasim Industries Ltd., Kumarapattanam, Sri. Nagaraja L K, General Manager & Unit haed – Operations, Synthite Industries Pvt Ltd., Harihar. Chief Guest and Inaugural address by Dr. H B Aravind, Principal, BIET Davangere. Presidential remarks by Sri. Athani S Veeranna, Chairman, Bapuji B – Schools. Dr. Swamy Tribhuvananda H V, Director, Bapuji B – Schools present in the function.

FAREWELL - 2021



Farewell 2021 – BIET MBA Programme – VTU students of batch 2019-2021 has been organised on 18-09-2021. Dr. Swamy Tribhuvananda H V, Director Bapuji B-Schools inaugurated the Event.

INTERNATIONAL YOGA DAY

International Yoga Day has been organised at the department on 21-06-2022. Final year students actively participated in the event.

WORKSHOPS

International Yoga Day has been organised at the department on 21-06-2022. Workshop on the Topic: "Career Options in Finance" on 10-12-2021 has been organised for Finance students. Resource Person: Mr. Prashanth Tapse, VP (Research) at Mehta Equities Ltd., Mumbai. Around 61 students are participated in the workshop.



Workshop on the Topic: "Career in Banking" on 23-12-2021 has been organised for Finance students. Resource Person: Mr. Karnam Vinayak, Branch Head, Ujjivan Small Finance Bank Ltd., Davangere. Around 57 students are participated in the workshop.



Workshop on the Topic: “Accounting Skills” on 28-12-2021 has been organised for Finance and Marketing Dual Specialization students. Resource Person: Ms. Sanjana Nayak, ACCA, Davangere. Around 45 students are participated in the workshop



Marketing Workshop on the Topic: “Management Lessons from Day to Day Life” on 29-12-2021 has been organised for Marketing Specialization students. Resource Person: Mr. Visweswara G, National Program Manager, CPM India Sales and Marketing Delhi. Around 25 students are participated in the workshop.

Symposium on “Crypto Currency” scheduled on 18-12-2021 organised for Final Year MBA students. Resource Persons: Mr. Vishvas B S Rao, Vice President and Head, Quality Kiosk Technologies, Bangalore, and Mr. Shekar Pampapathi, Stock and Crypto Analyst, Davangere. Around 70 students are participated in the Symposium.

Seminar



Seminar on Job – Ready Certification Programme Offered by Upgrad was Organised on 17-12-2021. Around 50 Students Participated in the Seminar.



3-Day Workshop on M S Excel: Advanced Training Programme is conducted for Final Year VTU Students from 01-12-2021 to 03-12-2021, Resource persons of the Excel Training are Dr. Sujith Kumar S H, Dr. Chaitra K S and Prof. Vijay K S.

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MASTER OF COMPUTER APPLICATIONS

ABOUT THE DEPARTMENT

The Master of Computer Applications (MCA) was established in the year 1992 with an initial intake of 30 students. Creating demand and the needs of present software industries and now the current intake is increased to 120 students. The duration of the course, from 2020 admission, is two years (Four Semesters) and the curriculum is aimed at interspersing a wide spectrum of practice and knowledge in the computing domain in the latest and emerging technologies with inputs and active support from industry experts and strong Alumni. The faculty is diverse, committed, highly qualified experienced with Doctorates in various specializations. Quality education, blended with rich research experience along with hands-on teaching is provided to students. The department has well-equipped laboratories with IT facilities. So far approximately more than 1300 students who graduated from the MCA department are well-placed in various National and Multinational companies. The department is responsible for producing top-grade software engineers with skill sets comparable to the best in the world.

The department has well equipped laboratories with IT facilities. So far 1200 students graduated from MCA department are well placed in various National and Multinational companies. The department is responsible for producing top grade software engineers with skill sets comparable with the best in the world.

Industry Interaction: Third Semester Students will be undergoing for internship of one month and final semester students four months duration for their final year project in the software industries/institute to explore their knowledge in the software as a partial fulfilment of MCA degree.

MAJOR FACILITIES

The lab facilities and the infrastructure are excellent, regularly upgraded and well supported by the institute. The department is well equipped with latest configuration of personal computers. There are adequate numbers of personal computers with LAN connectivity, internet facility and state-of-the-art software packages. Also department is equipped with overhead projector, LCD projectors for seminars, lecturing and demonstration purposes.

TRAINING PROGRAMS:

- **Training & Placement cell** organized a training for pre-final year students by “Talent Battle” on 25-04-2022 to 30-04-2022 for 2nd semester students.
- Seminar on “Cyber Security” on 13th November 2021, Organized by MCA Forum, Dept. of MCA, Resource Person: Mr.Rudresh K.J. CEO, Artisense Technologies Pvt. Ltd Bengaluru.
- Workshop on “Hands on Artificial Intelligence for IoT”, on 16th December 2021, Organized by MCA Forum, Resource Person: Mr. Chidambar S Kulkarni, Marketing Engineer, Advanced Electronic System(ALS), Bengaluru

MASTER OF COMPUTER APPLICATIONS

IMPORTANT EVENTS CONDUCTED IN THE DEPARTMENT



Seminar on “Cyber Security” on 13th November 2021, Workshop on “Hands on Artificial Intelligence for IoT”, Organized by MCA Forum, Dept. of MCA. on 16th December 2021, Organized by MCA Forum, Resource Person: Mr.Rudresh K.J. CEO, Resource Person: Mr.Chidambar S Kulkarni Artisense Technologies Pvt. Ltd Bengaluru. Marketing Engineer, Advanced Electronic System (ALS), Bengaluru



Training & Placement cell organized a training for pre-final year students by “Talent Battle” on 25-04-2022 to 30-04-2022 for 2nd semester students.

SEMINARS AND PROGRAM



Seminar on “Soft Computing” on 17th August 2022, Organized by MCA Forum, Dept. of MCA. Resource Person: Dr. Veerappa, Professor, Dept. of CS&E, UBDTCE Davangere.



Seminar on “Cyber Security” on 13th November 2021, Organized by MCA Forum, Dept. of MCA. Resource Person: Mr.Rudresh K.J. CEO, Artisense Technologies Pvt. Ltd Bengaluru

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MASTER OF COMPUTER APPLICATIONS

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MASTER OF COMPUTER APPLICATIONS



MCA Final year students of 2021-22



MCA Final year students of 2021-22



MCA Final year students of 2022-23

TEXTILE TECHNOLOGY

ABOUT THE DEPARTMENT

The Department of Textile Technology at Bapuji Institute of Engineering and Technology, Davangere, (BIET) (Karnataka), was established in the year 1981-82 with an initial intake of 30 students and later increased to 40 students. The Department of Textile Technology got its Research Centre status in the year 2000-2001 from Visvesvaraya Technological University, Belagavi. The department obtained 1st accreditation by NBA in the year 2001 for 3 years, 2nd accreditation in the year 2004 for 3 years and 3rd accreditation in the year 2008 for 5 years. The department offers B. Tech (Textile Technology) degree (4years) and Ph.D. (by research) Department is actively involved in research and consultancy projects with financial assistance from AICTE and DST, New Delhi.

The department has always excelled in imparting quality education to its students. The well-qualified faculty has a broad vision and dedication in shaping the careers of the students. In addition to the academic activities, national seminars, conferences and industrial visits have become a regular feature of the department. The students get trained not only for an attractive career but also for higher studies in and abroad.

Training & Placement: To touch the hearts and fulfilling the dreams of the students the department has much to offer. An in-house placement cell looked after by senior faculty members does all the hard work to conduct campus interviews for students by leading textile and garment industries. The conducive atmosphere in the campus and exclusive hospitality attracts many industries to visit the department. There is 100% placement in the department out of which 20% of the students are placed abroad in very good position and about 10% of them have become successful entrepreneurs.

IMPORTANT EVENTS CONDUCTED IN THE DEPARTMENT



Deepotsava on the eve of “66th Kannada Rajyotsava” was inaugurated by the Principal and Director of the institute on 19-11-2021 and also paid homage to veteran **Kannada Actor Late PuneethRajkumar**.



“Cleaning of college campus” on 06- 12 -2021, on the eve of World AIDS Da



Voluntary Blood Donation Camp (27-8-2019)

Field visits: Silk Reeling Unit in Davangere 6th semester :



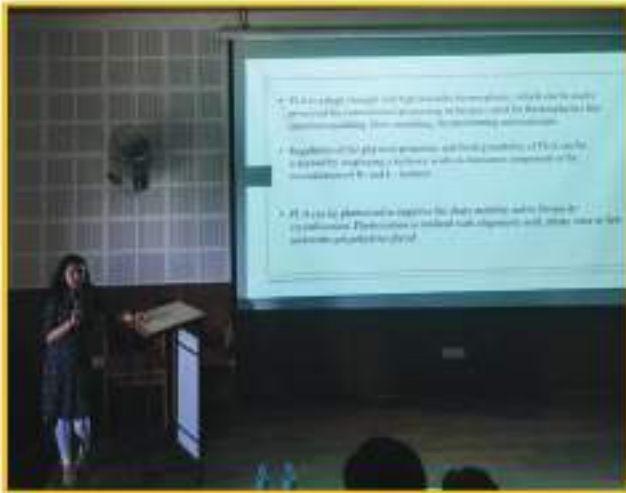


6th semester Textile students participated in world health day marathon on 07/04/2022 organised by Vijayavani Daily

Department of Textile Technology has organized a Two-day National Level Students Technical Symposium:



Department of Textile Technology has organized a Two-day National Level Students Technical Symposium:



Department of Textile Technology has organized a Two-day National Level Students Technical Symposium:



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Textile technology Final year students of 2021-22



Textile technology Final year students of 2022-23



Technowave -40, Editorial Board Members



Office Staff



Auditorium Staff



Sports & Maintenance Department



Library staff



Central Workshop

TRAINING AND PLACEMENT CELL



DR. NIRMALA C R,
DEAN-PLACEMENT
PROF&HEAD,
CS&E DEPARTMENT



Training and Placement Cell is a backbone of any institute which is committed to develop dynamism, strong human values and good leadership qualities as per the need of rapidly changing industry. The Placement Cell plays a crucial role in locating job opportunities for Under Graduates and Post Graduates passing out from the college by keeping in touch with reputed firms and industrial establishments.

The Placement Cell operates round the year to facilitate contacts between companies and graduates. The number of students placed through the campus interviews is continuously rising. On invitation, many

This cell apart from the normal placement activities have a frequent personal interaction with the students and understand and realize their problems better and try to solve effectively and boost their confidence in every aspect.

The Placement Cell organizes career guidance programs for all the students starting from first year. The cell arranges training programs like Mock Interviews, Group Discussions, Communication Skills Workshop etc. and it also organizes Public Sector Exam Training for students who are interested to join Government Sectors. It also invites HR Managers from different industries to conduct training programs for final year students.

In addition to the above-mentioned activities, the cell arranges expert lectures of Corporate Managers in both Technical and HRD streams for the students and faculty of the Institute. There are various Workshops and Seminars organized for the benefit of students regarding the latest trend and technology in the industry.

TATA CONSULTANCY SERVICES has accredited the institute in the year 1998, from which they are visiting our college every year for conducting Placement Training programs and Campus Interviews.

The Cell is well equipped with ample infrastructure in Terms of Testing halls, Seminar hall for Pre Placement Talk & Presentations, Conference room, Board Room etc. and Computer labs for online tests also the cell has video conference facility available for the students.

DEPARTMENT FACULTY MEMBERS



RAGHAVENDRA N T
PLACEMENT OFFICER



Following staff members from various departments is assigned as Department Placement Coordinators for the academic year 2022-2023.

Sl.No	Name	Designation	Status
1.	Dr. H B Aravind	Principal	Chairman
2.	Dr. Nirmla C R	Prof.& HOD, - CS & E	Dean, T&P - Convener
3.	Mr. Raghavendra N T	Asst.Prof, T and P	Placement Officer
4.	Dr. Chandrashekar S M	Asso.Prof. - Textile	Dept.Coordinator
5.	Mrs. Radhika Priya Y R, Mr. Yogesha K O	Asst.Prof., E& C E	Dept.Coordinators
6.	Mr. Ashok E	Asst.Prof., Mech.	Dept.Coordinator
7.	Mr. Santosh K C, Mr. Arjun H, Ms. Vaishnavi I A	Asst.Prof., CS&E	Dept.Coordinators
8.	Mr. Praveen Kumar G B	Asst.Prof., Civil	Dept.Coordinator
9.	Mr. Amaranth C H	Asst.Prof., Chemical	Dept.Coordinator
10.	Mr. Manjunath K G	Asst.Prof., E & I E	Dept.Coordinator
11.	Mrs.Geetha M	Asst.Prof.,MCA	Dept.Coordinator
12.	Mr. Vinay M T Mrs. Ranjana B Jadekar	Asst.Prof.,IS & E	Dept.Coordinators
13.	Mr. Shadaksharaih C	Asst.Prof.,E & E	Dept.Coordinator
14.	Mr. Vasudeva Nayaka K.B.L	Asst.Prof.,Biotech.	Dept.Coordinator

Following is the statistics of the placements (2021-2022)

Sl.No	Name of the company	No. Of students placed	Package in LPA
1.	SLK	15	3.6
2.	TCS DIGITAL	4	3.6
3.	MAPLELABS	3	4.5/5.5
4.	TCS NINJA	36	3.6
5.	KPMG	34	5
6.	ROBOSOFT	2	4.5
7.	SHAHI EXPORTS	4	2.4
8.	RAKUTEN	4	8
9.	WIPRO	65	3.5
10.	SILVER PEAK	16	CSR
11.	HERIN ELECTRONICS	17	2.5-3.25
12.	Altimetrik	7	7.5
13.	Gigsky	1	22
14.	I nubo	13	3.5
15.	Graintec	6	2
16.	Skyscend	5	8
17.	Zenar	18	4
18.	Quest Global	24	3.25
19.	Capgemini	13	2.75
20.	Cognizant	1	2.52
21.	Mindtree	3	4
22.	KnodTec	2	3-3.5
23.	Ernst & Young	50	4.5
24.	Tayana Software	1	3.5
25.	Schneider Electric	2	3.75
26.	Inspirago	21	4
27.	Sonata Software	24	3.5
28.	First Steps Babywear Pvt.Ltd	5	3
29.	FAI	9	6
30.	CloudifyOps	3	3-4
31.	Alt Digital	4	4.25&6.25
32.	Middleby	4	3.2
33.	Infosys(off Campus)	31	3.6
34.	Aarbee Structures Pvt.Ltd	3	
35.	Anora Semiconductors	3	4-4.45
36.	Wipro Elite	31	3.5
37.	Wiley Mithra	1	7
38.	Hexaware	4	3.5-5
39.	Teachnook	28	4-6
40.	Cleo Software	16	7.25
41.	Work Force software	5	7.5
42.	Verzo	10	3-4
43.	Dish Network	4	8.3
44.	Cyraacs	1	5-6
45.	AT & S India Pvt.Ltd	1	3.54
46.	TVS-SCS	1	3.4
47.	Kirloskar Ferrrous	3	4
48.	Q SPIDERS	21	3.5- 4.5
49.	PENTAGON SPACE	12	CSR
50.	INTELLIPAAT	6	9
51.	WIPRO ELITE	15	3.5
52.	LTI	1	3.0
53.	Bosch Global Services	5	3.31
54.	Aravind Exports	16	3
55.	Gokaldas Exports	3	3
56.	Brigoshia Technologies	6	4.75
57.	LM Wind Power	2	4.2
58.	Ace Designers Ltd	3	3.5
59.	Grasim Industries Ltd	2	3
60.	Insemi	1	4.26
61.	Sobha Developers	2	3
62.	Cipla	4	3.2
63.	Speridian	4	4.5
64.	RAS Infotech	2	4
65.	Akamai	3	12.7
66.	Suprajit Engineering Ltd	1	4.5
67.	Microland	1	3.25
	TOTAL	668 Offers	

**Branch wise selected Students Statistics is as follows
(2021-2022) as of now:**

Sl.No	Branch	Offers
1	Computer Science & Engineering	181 offers
2	Information Science & Engineering	152 offers
3	Electronics & Communication Engineering	143 offers
4	Electrical and Electronics Engineering	48 offers
5	Electrical & Instrumentation Engineering	07 offers
6	Mechanical Engineering	55 offers
7	Civil Engineering	11 offers
8	Bio Technology	11 offers
9	Chemical Engineering	13 offers
10	Textile Technology	30 offers
11	Master of Computer Applications	16 offers

**Branch wise selected Students Statistics is as follows
(2022-2023) as of now:**

Sl.No	Branch	Offers
1	Computer Science & Engineering	113 offers
2	Information Science & Engineering	94 offers
3	Electronics & Communication Engineering	61 offers
4	Electrical and Electronics Engineering	13 offers
5	Electrical & Instrumentation Engineering	03 offers
6	Mechanical Engineering	17 offers
7	Civil Engineering	08 offers
8	Bio Technology	08 offers
9	Chemical Engineering	04 offers
10	Textile Technology	17 offers
11	Master of Computer Applications	18 offers
12	M.Tech(Environmental)	03 offers

**Following is the statistics of the placements
(2022-2023) as of now:**

Sl.No	Name of the company	No. Of students placed	Package in LPA
1	TCS Ninja	111	4
2	TCS Digital	03	7.6
3	Redbus	02	10
4	Quinbay Technologies	01	10.38
5	Maple labs	03	6.25
6	First American India	09	7.5
7	Amadeus Labs	02	11.7
8	KPMG	13	7.14
9	Tech Mahindra	05	5.5
10	SLK Software	12&11(5 th SEM students)	3.3
11	Radisys	06	10
12	Cognizant	39	4.0-6.75
13	Optum (Bio-Technology)	02	4.0
14	Aditya Birla fashion & retail Pvt.Ltd(Textiles)	12	3.25
15	Tessolve	01	4.0
16	Dish network	01	8.47
17	Robosoft Technologies	02	4.5
18	Odysseus Solutions	08	4.2
19	Yokogawa	02	4.6
20	Tekworks	39	3.5
21	Minfy Technologies	02	3.6-4.5
22	Mercedes Benz R&D	10	10
23	Aum water Technologies(M.Tech Environmental)	03	3.5
24	Face Prep	20	3.5
25	Stratogent	1	3.8
26	Gokuldas	3	3.5
27	Middleby	3	4
28	Intellipaat	7	7.25
29	Toshibha software	2	7.5
30	Kasmo Technologies	12	3.5
31	Sonata Software	10	4
32	Shahi Exports Pvt.Ltd	8	3.5
33	A2M Technology	1	3.0
34	Face Prep	5	3.06
35	Tayana software	1	4.5
36	Accord	5	4.2
37	Qualitest	3	4.0
	TOTAL	351 Offers	

TRAINING AND PLACEMENT CELL



DEPARTMENT PLACEMENT CO-ORDINATORS



PLACED STUDENTS 2022 BATCH





M.C.Patel
Secretary
BIET, Alumni
Association



Dr. K C Devendrappa
Dean-Alumni affairs &
Treasurer BIET,
Alumni Association



Bapuji Institute of Engineering & Technology, Davangere came into existence in the year 1979, under the able leadership of Dr. Shamanur Shivashankarappa, Hon. Secretary, B.E.A. About 30,000 students have successfully been graduated from this institute and working in various organizations across the country and world and helping the present students for their placement.

An alumni association was formed during the year 1994 under the able guidance of Prof. G. S. Shivanna, the then Director and Prof. Y. Y. Vrushabhendrappa the then Principal of the Institute. Presently, Dr. K.C.Devendrappa, Professor in Mechanical department has taken charge as Dean Alumni Association. From 2022, Prof. M.C.Patel senior faculty of Textile Dept. is serving as the secretary of Alumni Association.

A Mega Alumni meet "SAVINENAPU" was arranged in the institute on 24th December 2022. About 600 alumni were attended the event.

Alumni of the batch 1985-89 had a grand 25 years reunion in the college on 27th Dec, 2014. Approximately 50 students and 15 Gurus attended this event. Students from mechanical, Industrial production and computer science (each 12 students), electrical 7 students and civil 2 students were present for the event. Three of the computer science students travelled from USA and two students of electronics travelled from Australia to join this grand event. After the event programme, students remembered their student days and spent few hours in the college campus happily. All gurus were felicitated with a small memento and few gurus gave valuable speech also. Alumni of Mechanical Engineering of 1997 batch have donated a beautiful Sir M. Visvesvaraya statue which has been installed in the main building in the office premises.

A well-furnished guest house silver line has been built in the campus with magnanimous financial contribution from the alumni of various departments by the parents and alumni visiting the institute DR S Suresh S, Professor and Head Civil Engg is given charge as in charge of Alumni guest house.



MOTO
“UNITY AND DISCIPLINE”

Dr. Anjaneya L H
Associate NCC Officer

Sl No.	Event Details
1	“Need and Role of NCC” presented during Student induction program held at S. S Mallikarjuna Cultural Auditorium 22-12-21
2	Enrolment of first year NCC on 27-12-2021. Total strength: 52 (First year-12, Second year-19, Third year-14)
3	NCC Cadets (students) attended CATC Camp held at Thorangal 23-10-2021 till 03-11-2021.
4	NCC Cadets (students) attended CATC Camp held at Toranagallu during 8-11-2021 to 17-11-2021.
5	Celebrated the Independence Day on August-15 at BIET campus.
6	“CLEAN INDIA COMPAIGN” was organised from B.I.E.T. NCC and 03KAR ENGR NCC on 26-10-2021.
7	“C” Certificate exam was conducted on 26& 27-02-2022, fourteen cadets have attended the exam, held at Davangere. All fourteen cadets passed in the exam.
8	“B” Certificate exam was conducted on 21 and 22-02-2022, nineteen cadets taken the exam, held at UBDT college Davangere. All nineteen cadets have passed in the exam



“CLEAN INDIA COMPAIGN”



INDEPENDENCE DAY at B.I.E.T





Dr. Krishna Kumar T.K,
Asst. Prof. in Physics and NSS
Programme officer,
BIET, Davangere

NSS programme Officer: T. K. Krishna Kumar,

Activities of undergone for the period from April – 2021 to March - 2022

National Service Scheme – NSS BIET unit under the affiliated to the Visvesvaraya Technological University, Belagavi. NSS volunteers of BIET unit are actively participated in the Social services along with their studies.

Activities undergone for the year from April – 2021 to March - 2022 are;

1. NSS volunteers organized programme on “75th India’s Independence Celebrations- Contribution by Karnataka” on 15 – 08-2021.

In this connection an Online Quiz Competition was organized based on Contribution by Karnataka. There were 132 participants from various colleges of students, faculties and public were actively participated and all of them are received the e – certificate of participation.

2. NSS volunteers conducted and organized a “Deepotsava” on the eve of “66th Kannada Rajyotsava” by drawing the India Map, Karnataka Map and symbol NSS with colors and lighting the candles in the evening, inaugurated by the Principal and Director of the college on 19-12-2021, in association with ISTE and YRCW- BIET unit.

On this occasion volunteers and staff payed homage to veteran Kannada Actor Late Dr. Sri Puneeth Rajkumar.

3. NSS volunteers conducted “NSS day” on 24-09- 2021, by organizing the Swachhatha Andolan, Govt. Higher Primary School, Neerthadi, Davangere.
4. NSS volunteers conducted and organized a “Constitution Day” in association with Dept. of Computer Science and Engineering, BIET on 26–11-2021, Dr. H. B. Aravinda, Principal, Prof. Y. Vrushabhendrappa, Director, Dr. Nirmala C R, Head, CS&E, Dr. Krishna Kumar T.K, NSS Programme officer, BIET, read the oath and Preamble of Constitution.
5. NSS volunteers conducted and organized a “Mourning” for sudden demise of “Chief of Defence Staff, India, General Bipin Rawat” on 09-12-2021 at Civil Engineering at 11.00am.
6. NSS volunteers actively worked as “Volunteer” in Student Induction Programme- 2021, for first year B.E. students.



7. NSS volunteers actively worked as “Volunteer” in VTU Intercollegiate Rest of Bengaluru Kabaddi (Women) Tournament, held at BIET on 13th and 14th December 2021.
8. NSS volunteers conducted and organized a “Cleaning of Parking Place – Teachers” on 24-12-2021 at in front of Science and Textile Block, BIET.
9. NSS volunteers conducted and organized a “Book Binding Program” by removing the final sheets of practical record books and binded the sheets and prepared a 200 books. Also distributing the Books, Pencil and Eraser to the Government School Children of Halebathi Village, Davangere. They distributed 200 set to the children of the school.
10. NSS volunteers actively worked as “Volunteer” in VTU Intercollegiate Central Zone Karnataka Football (Men) Tournament, held at BIET on 26th and 27th December 2021.

11. NSS volunteers conducted and organized an Oath Taking Programme on the eve of National Voter’s Day on 25-01-2022, in Aryabhata Seminar Hall, Department of Computer Science and Engineering, BIET Davangere. Dr. H.B.Aravinda, Principal, read out the oath and Prof. Y. Vrushabhendrappa, Director, Dr. Nirmala C.R, Head, Dept. of CS and E were present on the occasion.

Kum. Annapurna Ullagaddi from First year B.E. E and E branch, has participated in the Voting Awareness competition on the theme “My Vote is my Future- Power of One Vote”, was conducted by District Electrol Office, Davangere and she won first place in the competition.

12. NSS volunteers conducted National Science Day was celebrated in association with the Science Forum – BIET on 28-02-2022. Dr. Seema J Patel, Associate Professor and Chairman, Dept. of P.G. Studies and Research Center in Biotechnology, Davangere University, Davangere, was present and inspired the students to do work in the field of Science and Technology. Prizes were distributed on the occasion for the winners of competitions.

Photographs for the year 2021-2022





Photographs for the year 2021-2022

National Service Scheme - NSS BIET unit



“Deepotsava” on the eve of “66th Kannada Rajyotsava” by drawing the India Map, Karnataka Map and symbol NSS with colors and lighting the candles in the evening, inaugurated by the Principal and Director of the college on 19-11-2021 and also payed homage to veteran Kannada Actor Sri Puneeth Rajkumar



“NSS day”
on 24-09- 2021



Dr. S. M. Chandrasekhara,
Associate. Prof. in Textiles
YRCW Programme Officer

Activities of YRCW from July 2021 - Aug 2022

The following activities were conducted under YRCW of our institute.

1. Youth Cross Red Wing (YRCW), NSS and Textile Forum of Textile Technology has jointly organized the Kannada Rajyotsava on 19th November 2021. The students are enthusiastically participated in the programme and sung Kannada bhavageethe, bakthi geethe and film songs. The procession went in the college premises singing kannada songs and deepostasava programme was arranged in the evening. Prof.Y.Vrushabhendrappa Director, Dr. H.B.Aravinda principal, Dr.K.B.Ravindra, HOD Department of textile Technology, HODs of various departments, staff members and students were participated in the programme.
2. On 6-12-2021, Monday afternoon students of 5th semester Textile Technology branch cleaned college campus including football ground and campus roads. The plastic bottles, plastic covers were collected by students and dumped into large gunny bags and handed over to city corporation authorities.
3. "Cleaning of historical Pushkarni in Santebennur was carried out by Textile students on 23-12-2021. Students of Textile department were collected plastic bottles, waste covers and papers removed weeds and also put water for plants in the garden.
4. National voters' day was organized on 26-1-2022 to educate the students about the importance of voting in general elections. All the students and faculty members took the oath on this occasion. Dr.Y.N.Dinesh Prof and HOD, Dr S.M.Chandrasekhara. Asst professor and YRCW Co-coordinator and other staff members were participated in the program.
5. The YRCW and NSS members of BIET took the task of Watering and Cleaning of Micro Forest near Glass House of Davangere on 11-3-2022 & 13-3-2022.
6. In connection with World Health Day, Youth Red Cross wing, NSS and Textile Forum in association with Digvijaya News and Vijayavani daily organized Walkathon from District Stadium to Shiva Mandira on 7-4-2022, Thursday. Deputy Commissioner, Police Superintendent, ex-Mayer of Davangere and Dr.Prabha Mallikarjun, member of Bapuji Educational Association were participated in the programme. Students of our institute enthusiastically participated in the program. Commissioner and ex- Mayer of Davangere addressed the gathering and explained the importance of Health, Yoga and Pranayama.

PHOTOGRAPHS FOR THE YEAR 2021-2022



“Cleaning of college campus” on 06- 12 – 2021, on the eve of World AIDS day



Walkathon was organized on the eve of World Health Day on 07-04-2022 from District stadium to Shivayogimandira, Davangere



Cleaning of historical place, Pushkarni near Santebennur, Davangere 23-12-2021



National Voter's Day Pledge on 25-01-2022 at Textile Dept.



Watering And Cleaning Of Micro Forest near Glass House Of Davangere on 11-3-2022 &13-3-2022



Department NSS Co-Ordinators

STUDENTS' WELFARE COUNCIL



DR. S.N. RAMESH,
DEAN, STUDENTS
WELFARE COUNCIL

BIET Students Council came in to existence 3 decades ago. From the day of Inception, many students' activities connected to academics, Cultural Events were conducted. The main object of the Student Council is to develop the overall personality of students and to bring out their hidden talents and also to remove stage fear from them. In this connection many cultural and sports activities will be conducted in BIET every year. In order to form Council, class representatives will be elected from each section and each branch. These representatives will elect the executive members for the council.

Students council for this academic year 2022-23 formed on 7th Nov.2022. reputed industries visit the institute to conduct interviews. BIET Students Creativity Club has been formed to provide platform to the students to exhibit their talent before the screen. In addition, these activities will keep the students physically and mentally stable and active. As a regular feature of BIET, Student Association is formed every year soon after the Admission formalities of that particular academic year is completed. Office bearers from both faculty and students will be selected by considering the Experience of Teaching faculty and students leadership qualities from all the branches.

Student Council for the Academic year 2022-23 was formed on 7th November 2022. Election was conducted to all the semesters of all branches. Later student members were elected as office bearers such as Cultural Wing, Sports Wing, and Magazine Wing.

Inauguration of BIET Students Creativity club and Ethnic Day was performed on 10th Dec.2022 (Saturday). Director of MBA College was the chief guest inaugurated the Club by lighting the lamp. Principal, Director, Dean were also present during the programme. After the Inauguration, Events connected to Ethnic Day was conducted in the College Campus.

The main aim of ETHNIC DAY is to Exhibit the Culture of Every State of our Country and also to disseminate the information to the young generation towards Unity and Integrity. Students exhibited their talent on the area selected and judges were invited to Judge their Performance. Finally Prizes were distributed to the winners and runners.

In addition A MARATHON

Was conducted by our students on E Waste on 4th Dec. 2022 (Sunday) to educate the people about the reutilization of E Waste. About 100 Students were participated in the Event

Cultural Fest Davana -23 was Inaugurated on 24th March 2023.

Dr. Shivakumar Professor in Mathematics from STJIT College Ranebennur was the Chief Guest. Students exhibited their talents in various Events like, Debate, Group Dance, Fashion Fiesta, Mime, Mad adds etc. Intercollege Competition was held on 26th March 2023. Students from other colleges participated. Valedictory function was held on the Evening of 26th March. Sri. Rajesh Krishana and his TEAM were invited to give their concert. In the same Time, Bapuji Educational Association Joint Secretary Sri. Mallikarjun and Smt. Prabha Mallikarjun were Felicited.

STUDENTS' WELFARE COUNCIL**BIET STUDENTS' CREATIVITY CLUB AND AICTE-SPICES LIST OF
FACULTY MEMBERS NOMINATED FOR DAVANA-23**

Sl.no	Name of the Faculty	Designation
1	Dr.H.B. Aravinda	President
2	Prof. Y.Vrushabhendrappa	Hon. President
3	Dr.S.N. Ramesh TX dept.	Dean
4	Dr.G.P. Desai BT.Dept.	Advisor
5	Sri.M.C. Patel TX. Dept.	Advisor
6	Dr.K.C. Devendrappa Mechanical dept.	Convener
7	Dr.S.B. Mallikarjun CS and E	Convener
8	Dr.Vinutha.C.S ISE	Convener
9.	Smt. Bhagya shanth kumar EC	Convener
10	Sri. Vasudevnyak BT	Convener
11.	Sri. Karibasavaraju EEE	Convener

LIST OF COORDINATORS

Sl.no.	Name of the Faculty	Designation
1	Mr. Praveen Kumar Civil	Coordinator
2.	Vinayak Patil Mechanical	Coordinator
3.	Mr. Naresh CSE	Coordinator
4.	Miss. Shilpa.K. C CSE	Coordinator
5	Dr. Kiran Kumar EC	Coordinator
6.	Smt. Savithri EC	Coordinator
7.	Puneeth S.P ISE	Coordinator
8	Vinay M.T ISE	Coordinator
9	Miss. Ranjana ISE	Coordinator
10	Mr. Srinidhi Chemical	Coordinator
11	Mr. Shashank Textile	Coordinator
12	Dr. N.S. Basavaraj Maths	Coordinator
13	Smt. Geetha Physics	Coordinator
14	Smt. Triveni Chemistry	Coordinator

SWC 2021-2022**EXECUTIVE
COUNCIL**

ADARSH M.V.
DHEERAJ S.K.
INZUMAM K.A.
SATVIK JADHAV
BHAVANA. K .

**SPORTS
SECRETARIES**

GANESH T.V.
LAXMISHEN
RAHUL R. HUGGI
MANASA G.A

**CULTURAL
SECRETARIES**

LIKHITH P.
MANTHAN DESHPANDE
SUMANTH K.R
SMITHA K.S.

**MAGAZINE
SECRETARIES**

AKSHAY B.M.
BHARATH M.N.
BASAVARAJ V
HARSHA N.M.
KARTHIK V.G
RAGHAVENDRA
SHAZIA KOUSAR

STUDENTS' WELFARE COUNCIL

SWC 2022-2023

**EXECUTIVE
COUNCIL**

**KARIBASAVARAJ. M.H.
SYED ZABIULLA
VIVEK. V.S
ADARSH.T.N
HARSHA. T.V
SANTHOSH PAVAN**

**SPORTS
SECRETARIES**

**SHREETEJA.N
RAGHAVENDRA.
VIGNESH
CHANDURANI
NAYANA.R**

**CULTURAL
SECRETARIES**

**venu JADDIYAPPAR
GIRISH.C
DEEPAK.L
SANJANA B.S
APEKSHA V
RAKSHITH GOWDA
SAHANA ACHAR**

**MAGAZINE
SECRETARIES**

**NAGADARSHAN.G.S
PROMOD.B.L
AISHWARYA.H.T
NIKHIL
RUDRESH.S.U
MOHAN.S
ROHAN.K.H**



ACTIVITIES OF STUDENT COUNCIL



ETHNIC DAY - 2022



ETHNIC DAY - 2022



DAVANA 2023



DAVANA 2023



Varavana - 2023



Dayana - 2023





Articles

ARTICLES

INDOOR AIR POLLUTION-A SILENT KILLER



"Air is an essential part of human existence and good air is important for healthy and longer living."



Dr. S. Kumarappa
Professor & Dean (Exam)
Department of Mechanical Engineering

Indoor air pollution is the degradation of indoor air quality by harmful chemicals and other materials; it can be up to 10 times worse than outdoor air pollution. The way we cook, clean and live is polluting the air inside, and this is compounded by the fact that we spend up to 90% of our lives indoors and most of that time is spent at home. The average industrial exposure is only 40 hours a week, but an infant is exposed to home pollutants for nearly 24 hours a day. 'Indoor Air' is air within a building such as your home, classroom, office, shopping center, auditorium, hospital or gym. We say 'Indoor air pollution' if the indoor air is contaminated by smoke, chemicals, smells or particles. Indoor air pollution is the cause of a host of different diseases, including respiratory diseases and cancer. You may not know it, but it directly impacts you, your family and your home. If you care about your own wellbeing as well as your families, you must also care about indoor air pollution.

According to the latest World Health Organization (WHO) report, 8 million people die every year globally because of air pollution. Among these, 4.3 million die because of air pollution from household sources and 3.7 million die because of ambient air pollution. Deaths related to indoor air pollution are Coronary heart disease-26%, chronic obstructive pulmonary disease-22%, lung cancer-6%, Pneumonia -12%, Stroke-34%. Indoor air pollution is increasingly becoming one of the greatest concerns around the world, even greater than outdoor pollution. Former is claiming more lives than the later. Most of us spend most of our times indoor and this is why deteriorating air quality has a far more impact on our health than we can imagine. India is unfortunately taking the biggest brunt as it is among the top most countries when it comes to polluted indoor air.

In India, out of 0.2 billion people using fuel for cooking; 49% use firewood; 8.9% cow dung cake; 1.5% coal, lignite, or charcoal; 2.9% kerosene; 28.6% liquefied petroleum gas (LPG); 0.1% electricity; 0.4% biogas; and 0.5% any other means. Among the 70% of the country's rural population, about 80% households rely on biomass fuel making India to top the list of countries with the largest population lacking access to cleaner fuel for cooking. Poor indoor air quality is the second largest killer with 1.3 million deaths in India each year. A study among users of biomass fuels during pregnancy found a 50% excess risk of stillbirths. The exposure to biomass fuel was associated with 49% increased risk of low birth weight babies.

The principal sources of indoor air pollution are: Combustion, building material, and bioaerosols. While radon, asbestos, pesticides, heavy metals, volatile organic matter, and environmental tobacco smoke are considered major indoor pollutants in developed countries, the combustion products of biomass fuels contribute most to indoor air pollution in developing nations.

INDOOR AIR POLLUTION-A SILENT KILLER

The incomplete combustion products of biomass fuels include suspended particulate matter, carbon monoxide, polyaromatic hydrocarbons, polyorganic matter, formaldehyde, etc., which have adverse effects on health. The combustion of coal results in production of oxides of sulfur, arsenic, and fluorine. Pollutants such as aldehydes, volatile, and semivolatile organic compounds are produced from resins, waxes, polishing materials, cosmetics, and binders. Lastly; biological pollutants like dust mites, molds, pollen, and infectious agents produced in stagnant water, mattresses, carpets, and humidifiers too pollute indoor air. LPG is relatively denser than air, which is further denser than natural gas (1.52:1:0.55). Gas leakage when using LPG therefore tends to settle in the household air at human levels, whereas leakage of natural gas ascends toward the ceiling, reducing health effects. Burning of natural gas not only produces a variety of gases such as sulfur oxides, mercury compounds, and particulate matter but also leads to the production of nitrogen oxides, primarily nitrogen dioxide.

Particulate matter is a pollutant of special concern, ultrafine particles (one micron in diameter or less) can penetrate into tissues and organs, posing an even greater risk of systemic health impacts. Household air pollution is one of the leading causes of disease and premature death in the developing world. Exposure to indoor air pollutants can lead to a wide range of adverse health outcomes in both children and adults, from respiratory illnesses to cancer to eye problems. Members of households that rely on polluting fuels and devices also suffer a higher risk of burns, poisonings, musculoskeletal injuries and accidents.

Heating, ventilation, and air conditioning (HVAC) systems must be properly designed and sized to handle the sensible and latent heat loads of outside and recirculated air. If not properly designed, operated, and maintained, inadequately cleaned air conditioning units are breeding grounds for various fungi and bacteria. HVAC systems can themselves generate pollutants and excess moisture, thereby affecting the health of occupants. Frequent sneezing, on-going sniffles, extreme fatigue and watery eyes - if you go to the doctor they will say that these appear to be the symptoms of an ordinary head cold. Recent studies suggest that such symptoms may be the result of spending a lot time indoors and possibly because of Indoor Air Pollution. It indicates that indoor air pollution is the second biggest killer in India after high blood pressure. Besides the loss of lives, air contamination also causes nausea, headache, dizziness, cough and increased risk of cancer and asthma.

Approximately 2 billion people across the globe use mosquito coils toward off the dangers associated with mosquito-borne illnesses. A standard mosquito coil is made up of 0.1% of the active repellent pyrethroids, whereas the remaining 99.9% contains binders, resins, and flammable material such as coal dust and coconut husks. Twelve million such coils are sold every year in the world. The coil is ignited and allowed to smoulder for 6 to 7 hours. Ideally, the coil is meant to be lit and smouldered in a room with windows and doors closed to get the most desired effect. Previous studies have shown that burning of one such coil emits particulate matter equivalent to burning 100 cigarettes and PAH equivalent to burning 50 cigarettes.

Other sources of indoor air pollution are right under our noses, originating from within the household. Mildew and cleaning chemicals from our bathrooms; dust mites (tiny insects living in our beds) and pet hairs from our bedrooms; asbestos and dust from the attic; carpeting, furniture chemicals and tobacco smoke from our living rooms; radon, solvents and carbon monoxide from our garages and basements; smoke, chemicals and carbon monoxide from our kitchens; and pollen, dust and pesticides from our yards all contribute to indoor air pollution.

INDOOR AIR POLLUTION-A SILENT KILLER

We also create indoor air pollutants every time we employ solid fuels, such as dung, wood and charcoal for cooking or warmth, the fuels releasing smoke as well as other harmful particle matter. Some common sources of indoor air pollution are products that we use quite casually, being unaware of the harm that they are causing. These include floor cleaners, pet dander, air-fresheners, home printer inks, chemical based cleaners, wardrobe dry cleaning chemicals, stove burners, paints, mold, humidity and mosquito repellants.

Burning scented candles can also contribute to higher levels of indoor air pollution, as they emit particles and other pollutants, such as volatile organic compounds (VOCs), which can aggravate symptoms of allergic rhinitis. Allergy sufferers should also avoid burning incense sticks as they emit more than 100 times the number of fine particles as a candle – which can further exacerbate symptoms. Air purifiers, marketed as being able to kill bacteria and mold, are actually sources of indoor air pollution too. They release great amounts of ozone into the air. Ozone happens to be the main component in smog. It can cause coughing, asthma attacks and damage lung tissue, leading to lasting, life-shortening damage. The paint we use to decorate our walls also damages our lungs and even our brains.

Indoor Air Pollution can cause mild discomfort, or it can result in the development of serious health conditions like cancer or chronic respiratory diseases. These are some of the symptoms of Indoor Air Pollution in the short-term, symptoms that must be watched out for, especially if your household or workplace includes babies, young children or senior citizens: Sinus Congestion, Coughing & Sneezing, Dryness or irritation of the nose, skin and throat, Allergies & Hypersensitivity, Fatigue, Headache, Dizziness and/or Nausea, Upper respiratory congestion. Most people notice these symptoms after being in the polluted room or space for a few hours. Here are some respiratory illnesses caused by indoor air pollution: Severe lung disease, Wheezing; asthma worsening, Pharyngitis (which refers to a sore throat), Cough, Dyspnea (pain while breathing or breathing difficulties), Epistaxis (bleeding of the nose), Rhinitis and nasal congestion (when the nose becomes inflamed or runny). Some long term and more severe problems caused by indoor air pollution: Hearing loss, Anorexia, Malaise, lethargy, Myalgia (pain in the muscles), Dizziness, Tachycardia (rapid beating of the heart, at times resulting in breath shortness), Chills and fevers, Rashes, Conjunctival (irritation of the eyes).

Indoor Air Pollution has gone unchecked for so long that it is the sole reason for 2 million premature deaths in India on an annual basis. Every Indian citizen should face this hazardous reality by arming themselves with facts and taking steps to reduce the health risk in their homes and workplaces.



SOFTWARE DESIGN PATTERN



Dr. Naveen Kumar K R
Associate Professor
Dept. of CS&E

In software engineering, a software design pattern is a general, reusable solution to a commonly occurring problem within a given context in software design. It is not a finished design that can be transformed directly into source or machine code. Rather, it is a description or template for how to solve a problem that can be used in many different situations. Design patterns are formalized best practices that the programmer can use to solve common problems when designing an application or system.

Object-oriented design patterns typically show relationships and interactions between classes or objects, without specifying the final application classes or objects that are involved. Patterns that imply mutable state may be unsuited for functional programming languages. Some patterns can be rendered unnecessary in languages that have built-in support for solving the problem they are trying to solve, and object-oriented patterns are not necessarily suitable for non-object-oriented languages. Design patterns may be viewed as a structured approach to computer programming intermediate between the levels of a programming paradigm and a concrete algorithm.

Practice

Design patterns can speed up the development process by providing tested, proven development paradigms. Effective software design requires considering issues that may not become visible until later in the implementation. Freshly written code can often have hidden subtle issues that take time to be detected, issues that sometimes can cause major problems down the road. Reusing design patterns helps to prevent such subtle issues, and it also improves code readability for coders and architects who are familiar with the patterns. In order to achieve flexibility, design patterns usually introduce additional levels of indirection, which in some cases may complicate the resulting designs and hurt application performance.

By definition, a pattern must be programmed anew into each application that uses it. Since some authors see this as a step backward from software reuse as provided by components, researchers have worked to turn patterns into components. Meyer and Arnout were able to provide full or partial componentization of two-thirds of the patterns they attempted. Software design techniques are difficult to apply to a broader range of problems. Design patterns provide general solutions, documented in a format that does not require specifics tied to a particular problem.

Structure

Design patterns are composed of several sections. Of particular interest are the Structure, Participants, and Collaboration sections. These sections describe a design motif: a prototypical micro-architecture that developers copy and adapt to their particular designs to solve the recurrent problem described by the design pattern. A micro-architecture is a set of program constituents (e.g., classes, methods...) and their relationships. Developers use the design pattern by introducing in their designs this prototypical micro-architecture, which means that micro-architectures in their designs will have structure and organization similar to the chosen design motif.

Classification and list

Design patterns had originally been categorized into 3 sub-classifications based on what kind of problem they solve. Creational patterns provide the capability to create objects based on a required criterion and in a controlled way. Structural patterns are about organizing different classes and objects to form larger structures and provide new functionality. Finally, behavioral patterns are about identifying common communication patterns between objects and realizing these patterns.

CREATIONAL PATTERNS

Name	Description
Abstract factory	Provide an interface for creating families of related or dependent objects without specifying their concrete classes.
Builder	Separate the construction of a complex object from its representation, allowing the same construction process to create various representations.
Dependency Injection	A class accepts the objects it requires from an injector instead of creating the objects directly.
Factory method	Define an interface for creating a single object, but let subclasses decide which class to instantiate. Factory Method lets a class defer instantiation to subclasses.
Singleton	Ensure a class has only one instance, and provide a global point of access to it.

STRUCTURAL PATTERNS

Name	Description
Adapter, Wrapper, or Translator	Convert the interface of a class into another interface clients expect. An adapter lets classes work together that could not otherwise because of incompatible interfaces. The enterprise integration pattern equivalent is the translator.
Bridge	Decouple an abstraction from its implementation allowing the two to vary independently.
Composite	Compose objects into tree structures to represent part-whole hierarchies. Composite lets clients treat individual objects and compositions of objects uniformly.
Decorator	Attach additional responsibilities to an object dynamically keeping the same interface. Decorators provide a flexible alternative to sub classing for extending functionality.

BEHAVIORAL PATTERNS

Name	Description
Blackboard	Artificial intelligence pattern for combining disparate sources of data
Chain of responsibility	Avoid coupling the sender of a request to its receiver by giving more than one object a chance to handle the request. Chain the receiving objects and pass the request along the chain until an object handles it.
Iterator	Provide a way to access the elements of an aggregate object sequentially without exposing its underlying representation.
Observer or Publish/subscribe	Define a one-to-many dependency between objects where a state change in one object results in all its dependents being notified and updated automatically.
Strategy	Define a family of algorithms, encapsulate each one, and make them interchangeable. Strategy lets the algorithm vary independently from clients that use it.



COMPARISON OF DATABASE MANAGEMENT SYSTEMS (DBMS) AND DATA STREAM MANAGEMENT SYSTEMS (DSMS)



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1. Database Management System (DBMS)

In DBMS the nature of data is non-volatile and random data access is performed using DBMS. It operates on one time queries and gives the exact output for that query. DBMS uses unlimited secondary storage to store the data and also here in DBMS the data update rate is very low. DBMS is used when there is little or no time requirement.

Application of DBMS:

- University records
- Supply Chain Management
- HR Management
- Telecommunication records
- Railway Reservation System

The below query is an example of DBMS query which is a one-time query and gives the exact answer.

```
SELECT Name, Id, City
FROM Employees
WHERE City = 'Davanagere'
ORDER BY Name;
```

The above query is a very simple query which shows Name, Role, City of the company employees whose city belongs to Davanagere and the output/result will be ordered by name of the employees.

2. Data Stream Management Systems (DSMS)

In DSMS the nature of data is volatile data stream and sequential data access is performed using DSMS. It operates on continuous queries and gives the exact/approximate output for that query. DBMS uses limited main memory to store the data and also here in DSMS the data update rate is very high. DSMS is used when there is real time requirement.

COMPARISON OF DATABASE MANAGEMENT SYSTEMS (DBMS) AND DATA STREAM MANAGEMENT SYSTEMS (DSMS)

Application of DSMS:

- Sensor Network
- Network Traffic Analysis
- Financial Tickers
- Online Auctions
- Transaction Log Analysis

The below query is an example of DSMS query which is a continuous query and gives the exact/approximate answer.

```
SELECT Stream
Rowtime
MIN (Temp) Over W1 as Wmin_temp,
MAX (Temp) Over W1 as Wmax_temp,
AVG (Temp) Over W1 as Wavg_temp,
FROM Wheatherstream
Window W1 as (RANGE INTERVAL '2' SECOND PRECEDING);
```

The above query aggregates a sensor stream from a weather monitoring system. Then it aggregates the collected minimum, maximum and average temperature values. Window clause creates a window of 2 seconds duration (refers to delay, which can be changed) showing a stream of incrementally updated results with zero result latency.

S.No.	DBMS	DSMS
1	Data Base Management System deals with persistent data.	Data Stream Management System deals with stream data.
2	In DBMS random data access takes place.	In DSMS sequential data access takes place.
3	It is based on Query Driven processing model i.e called pull based model.	It is based on Data Driven processing model i.e called push based model.
4	In DBMS query plan is optimized at beginning/fixed.	DSMS is based on adaptive query plans.
5	The data update rates in DBMS is relatively low.	The data update rates in DSMS is relatively high.
6	In DBMS the queries are one time queries.	But in DSMS the queries are continuous.
7	In DBMS the query gives the exact answer.	In DSMS the query gives the exact/approximate answer.
8	DBMS provides no real time service.	DSMS provides real time service.
9	DBMS uses unbounded disk store means unlimited secondary storage.	DSMS uses bounded main memory means limited main memory.

CLIMATIC RESPONSIVE BUILDING-APPROACH FOR ARCHITECTURE

Climate has always challenges man in his quest for a better life. Weather has been continuously affected all spheres of man's activities and have shaped his instinctive responses leading to largely disruptive effects to natural environmental equilibrium. Nothing is more important than food and shelter for existence of man's life. The search for habitable dwellings which offer comfort, security and relief brings into focus. The need for buildings which respond to particular local climatic and environmental conditions.



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It strives to provide suggestions to architects on employing an organised approach to design to suit specific climates. Also, architectural design must harmonize passive and active cooling/heating strategies. This may include sun shading, thermal insulation and cross ventilation in combination with active systems, such as air conditioning..

Adequate layout with respect to the neighbouring building and by using proper shading devices help to control the incident solar radiation on building effectively. Good shading strategies help to save 10%-20% of energy for cooling. Proper designed roof overhangs can provide adequate sun protection , vertical shading devices such as trees, trellises, shutters, shading screens, awnings and exterior roll blinds are also effective. These options are recommended for east facing and west facing windows & walls.

Load bearing walls can reduce embodied energy will be considerably .Even stabilized mud blocks stronger than concrete block also contribute to save embodied energy. Avoid orientation of building roof to east or west, trees can be planted around the building, curved roof attracts less heat so contribute to thermal comfort of building. white paint on roof, light coloured Glazed tiles on roof could reduce the heat to some extent of about 8-10%. wooden false ceiling , and use of jally walls between false ceiling level and true ceiling level.

Trichy taluk office building has curved brick roof and ventilated air vents on roof proved that reduced the heating effect of 15%.

As in wind, two forces govern ventilation inside the building: Air moves from high-pressure zone to low-pressure zone if openings are made on the walls of the respective zones in building. If the inlet and outlet are placed at different heights, air flows from inlet to outlet due to density difference created by the upward movement of warm air. thus helps to achieve thermal comforts of building

Green roofing technology reduce the 25% of heating effect . Stepped building shaded by ground (hill) can reduce heating effect and thus provide thermal comfort.

Most researchers agree that vernacular architecture is a proven model of sustainable architecture, regarding both environmental, economic and social aspects.

FUTURE PERSPECTIVES OF NANOCELLULOSE:



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Over the past few years, nanocellulose (NC), cellulose in the form of nanostructures, has been proved to be one of the most prominent green materials of modern times. NC materials have gained growing interests owing to their attractive and excellent characteristics such as abundance, high aspect ratio, better mechanical properties, renewability, and biocompatibility. The abundant hydroxyl functional groups allow a wide range of functionalization's via chemical reactions, leading to developing various materials with tuneable features.



Nowadays, the application of green, renewable and sustainable materials has become increasingly important for producing various high-value products with low environmental impact. This area of research has attracted the interest of a great number of academicians and industrials as such materials turn out to be an alternative solution to the ever-depleting non-renewable sources, environmental pollution, global warming, and energy crisis. In this context, cellulose, starch, alginate, chitin, chitosan, and gelatin have been revealed to be promising candidates with regards to their abundant availability from various resources. Among them, cellulose is by far the most abundant renewable compound obtained from the biosphere and it can be found in plants, algae, tunicates, and some bacteria.

**FUTURE PERSPECTIVES OF
NANOCELLULOSE:**

This fascinating polymer, seen as an inexhaustive source of raw materials, has potential to be modified and functionalized with several available industrial uses and there is still plenty to discover and celebrate in cellulose. The benefit of cellulose can be further extended when cellulose chains are bundled together, generating highly ordered regions that can be subsequently isolated as nano-particles, known as cellulose nanomaterials or nanocelluloses, considered as useful class of futuristic materials owing to their physicochemical features. In addition to be renewable and abundant, they combine chemical inertness, excellent stiffness, high strength, low coefficient of thermal expansion, low density, dimensional stability, and ability to modify its surface chemistry.

Typically, nanocellulose can be categorized into two major classes

Nanostructured materials (cellulose microcrystals and cellulose microfibrils).

Nanofibers (cellulose nanofibrils, cellulose nanocrystals, and bacterial cellulose).

A number of nanocellulose forms can be produced using different methods and from various cellulosic sources. The morphology, size, and other characteristics of each nanocellulose class depend on the cellulose origin, the isolation and processing conditions as well as the possible pre- or post-treatments. The opportunity of producing nanocellulose with various features is considered fairly an exciting topic, which can promote the exploration of unexplored biomass. The benefits of the 3-D hierarchical nanostructure of nanocellulose and its physicochemical characteristics at nano scale open new prospects in several applications. According to Markets and Markets, the nanocellulose market is forecasted to achieve USD 783 Million by 2025. The rising demand and the employment of new applications have driven the researchers and the industry to exploit even more the employment of nanocellulose. In addition, the number of papers is increasing year after year, reflecting the high concern in this type of nanomaterial. This attention expresses itself by the new International Organization for Standardization (ISO), Technical Association of the Pulp and Paper Industry (TAPPI), and Canadian Standards Association (CSA) Standards on CNCs that are being developed and published, highlighting the market interest. Nanocellulose, which can currently be produced in industrial scale at the tons per day, can be employed in several fields in our life, such as nanocomposite materials, biomedical products, wood adhesives, supercapacitors, template for electronic components, batteries, catalytic supports, electroactive polymers, continuous fibers and textiles, food coatings, barrier/separation membranes, antimicrobial films, paper products, cosmetic, cements, and many more emerging uses.

The search of novel applications and improving the properties of the current nanocellulose-based materials are crucial driving forces for research and development (R&D) in various research groups and increasingly in companies. It can be seen that several literature review articles have been published during the last few years and most of them focused on the production of nanocelluloses, their modification and applications. While here, we concisely provide some of the most recent applications of nanocellulose (NC), especially cellulose nanocrystals (CNC). We shed light on current trends and recent research on the use of nanocellulose with special emphasis on nanocomposites, medical, Pickering emulsifiers, wood adhesives, adsorption, separation, decontamination, and filtration applications, to provide readers with a comprehensive overview of the advanced science and engineering of nanocellulose-based emerging materials and uses. Other emerging applications of nanocellulose such as papermaking, oil and gas drilling and cementing, energy storage systems, sensors and biosensors, which have been extensively reviewed in recent years are excluded. It is expected that this writeup will forge new directions for the preparation of NC as well as the design and production of new NC-based materials for widespread advanced applications.

UNIVERSAL HUMAN VALUES

PHYSICAL FACILITY



UNIVERSAL HUMAN VALUES play an important role in the life of human at various stages including education and career. When a child enters in school, her/his behavior depends on the home culture that is family circle. In primary and secondary school life, there is major influence of friends and teachers on her/his behavior that is the school circle. When she/he enters the college or professional course, the social circle plays an important role which has a dominant impact on humanity and moral capabilities. The overall personality of individual depends on those circle. This paper discusses the tilt of students towards good behavior or aggression and misbehavior. Those are critically evaluated by two methods named value survey and value questionnaire. The article clarifies how education in human values is deeply essential to nourish the moral capabilities in the students and ultimately in society in a positive way. Human values are, for example, respect, natural acceptance, consideration, appreciation, listening, openness, affection, empathy and love towards self, other human beings and nature.

Continuous Happiness and Prosperity as Basic Human Aspirations

Whatever we think, whatever we do is with some end state in mind. That end state is our basic aspiration, which is in three state - **Right Understanding, Relationship and Physical Facility.**

Human being wants to live with continuous happiness and prosperity and this is possible by ensuring right understanding, fulfilment in relationship and physical facility in the correct priority. This is living with 'human consciousness's'.

The Self as the Consciousness Entity, the Body as the Material Entity. The Self and the Body are two different types of reality. The Self is the domain of consciousness, which is characterized by the activity of knowing, assuming, recognizing and fulfilling. The Body is the domain of material and it only has the activity of recognizing and fulfilling. Feeling of Relationship as the Basis for Harmony in the Family, The harmony in the family has primarily to do with the fulfilment of

relationship between one human being and the other human being. In order to fulfil relationship, it is necessary to understand relationship.



Education provides the commitment, preparation and practice of living in harmony at all levels. Preparation includes learning the skills and technology for living in harmony. Our living is an expression of our sanskar. Existence is co-existence, which is in the form of units submerged in space.

LOVE IS THE RESPONSIBILITY AND COMMITMENT FOR THE DEVELOPMENT OF OTHERS IN CONTINUITY

ONE IS HAPPY, WHOSE CIRCUMSTANCES SUIT HIS/HER TEMPER; BUT ONE IS MORE EXCELLENT, WHO CAN SUIT HIS/HER TEMPER TO ANY CIRCUMSTANCES

Level. Name	Relationship / Potential	Details
4b. Existence	Co-existence	Co-existence Potential for human being to realize
4a. Nature	Mutual Fulfillment	Harmony, Relationship Potential for human being to be in harmony
3. Society	Right Understanding, Prosperity, Fearlessness (Trust), Co-existence	Human-Nature relationship Potential, through participation of individuals and families in various societal systems
2. Family	Feeling of co-existence, Trust, Respect ... Love	Human-Human relationship Potential for right feeling in the Self – mutual happiness
1b. Individual Human Being	Co-existence of Self and Body	Self-Body relationship Potential for feeling of self-regulation
1a. Self (I)	Continuous happiness = happiness, peace, satisfaction, bliss	Will to live with continuous happiness. Potential for right understanding, right feeling and right thought → mutually fulfilling behavior and work

Universal Values



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ಹೀಗೊಂದು ಮಳೆ ಸಂಜೆಯ ಸುಂದರ ಚಿತ್ರಗಳು...

ಮೇಲೆ ಎರಡನೇ ಮಹಡಿಯ ಕಿಟಕಿಯಿಂದ ಇಣುಕಿದೆ. ಓ! ಮಳೆ ಸ್ವಲ್ಪ ಜೋರಾಗಿಯೇ ಬರುತ್ತಿತ್ತು. ಆಗಲೇ ಸಂಜೆ 5 ಘಂಟೆ. ಮನೆಗೆ ಹೇಗೆ ಹೋಗುವುದು? ಎನ್ನುತ್ತ ಲಿಫ್ಟಿನಿಂದ ಇಳಿದಿದ್ದಾಯಿತು. ಸರ್, ಅಟೆಂಡರ್ ಮತ್ತು ಉಳಿದ ಎಲ್ಲಾ ಮೇಡಮ್ ಕೆಳಗೆ ಅಲ್ಲೇ ಕಾರಿಡಾರಿನಲ್ಲಿ ನಿಂತಿದ್ದರು. ಮಾತಿನ ಅರ್ಭಟ ಜೋರಾಗಿ ನಡೆದಿತ್ತು. ನನಗೋ ಹೊರಗೆ ನೋಡಬೇಕು, ಮಳೆಯ ಅಂದವನ್ನೆಲ್ಲಾ ಸವಿಯಬೇಕು. ಹಾಗೇ ಹೊರಗೆ ದೃಷ್ಟಿ ಹಾಯಿಸಿದರೆ ಮನ ತುಂಬುವ ದೃಶ್ಯ ಇಂಜಿನಿಯರಿಂಗ್ ಮೊದಲ ವರ್ಷದ ಕೆಲ ವಿದ್ಯಾರ್ಥಿಗಳು ಮಳೆಯಲ್ಲೇ ನೆನೆಯುತ್ತ, ಯಾರ ಪರಿವೆ ಇಲ್ಲದೆ ಆಟ ಆಡುತ್ತಿದ್ದರು. ಟ್ರಿಷರ್ ಹಂಟ್ ಆಟವಂತೆ ಅದು. ಅಂಗಳದ ಪಕ್ಕಕ್ಕೆ ತೋಟದಲ್ಲಿ, ಮಾವಿನ ಗಿಡದ ತುಂಬ ಮಿಡಿ ಕಾಯಿಗಳು. ಫಮ್ಮನೆ ಅದರ ಪರಿಮಳ ಮೂಗಿಗೆ ರಾಚುತ್ತಿತ್ತು. ಗಿಳಿ ಹಸಿರು ಬಣ್ಣದ ಗಿಡದಿ ಬೆಳ್ಳಿಯಂತೆ ಹೊಳೆಯುತ್ತಿದ್ದ ಬಿಳಿ ಹೂಗಳು. ಉಳಿದ ಬೇರೆ ಬೇರೆ ಮರದಿ ಕಂಗೊಳಿಸುತ್ತಿದ್ದ ಹಳದಿ, ಕೆಂಪು ಹೂಗಳು, ಬಣ್ಣದ ಚಿತ್ತಾರವನ್ನೇ ಮೂಡಿಸಿದಂತಿತ್ತು. ಮಾರನೆಯ ದಿನವೇ ಯುಗಾದಿ ನೋಡಿ. ಆ ಕಾಲವೇ ಹಾಗೆ. ಹಣ್ಣೆಲೆ ಉದುರಿ, ಬರಿದಾಗಿದ್ದ ಮರ ಗಿಡಗಳಲ್ಲಿ, ಮತ್ತೆ ಚಿಗುರಿನ ಹೊಸ ಹಸಿರು ಬಟ್ಟೆ ತೊಡಿಸುವ ಕಾಲ. ಮಳೆಯ ಸಿಂಚನ ಅವುಗಳಿಗೆ ಕಚಗುಳಿಯಿಟ್ಟು ಹೊಸ ಜೈತನ್ಯ ತುಂಬುವಂತಿತ್ತು. ಬಿಸಿಲಿನಿಂದ ಬಳಲಿದ ಮನಕ್ಕೆ ದಣಿವಾರಿಸಿ ಸಮಾಧಾನ ನೀಡುವಂತಿತ್ತು.

ಮೇಲೆ ಆಗಸದಲ್ಲಿ ಮೇಳೈಸಿದ್ದ, ಮೇಘಗಳ ಅಂಚಿನಿಂದ ಹೊರಸೂಸುವ, ನೇಸರನ ಸುವರ್ಣಲೇಪಿತ, ಕೆಂಪು ಮಿಶ್ರಿತ ಹಳದಿ ಬಣ್ಣದ, ತುಸು ನಶೆಯೇರಿಸುವಂತಿದ್ದ ಮಂದ ಬೆಳಕಿನಲ್ಲಿ ರೊಯ್ಯನೆ ಸುರಿಯುವ ಮಳೆ. ಸುಡುಬಿಸಿಲಿನಲ್ಲಿ ಬೆಂದಕಾವಲಿಯಂತಾಗಿದ್ದ ಇಳಿಯನ್ನು ತಣಿಸಿ ಹೊಸ ಕಳೆ ತರುತ್ತಿತ್ತು. ನೆಲದ ಮೇಲೆ ಮಳೆನೀರಿನ ಲಘು ತರಂಗಗಳನ್ನು ನೋಡಿ, ಮಳೆ ತುಸು ಕಡಿಮೆಯಾಯಿತೇನೋ ಎಂದೆನಿಸಿತು. ಮುಂದಿನ ಬಿಲ್ಡಿಂಗ್‌ನಲ್ಲಿ ಹಾದು ಬಯೋಮೆಟ್ರಿಕ್‌ನತ್ತ ಸಾಗಿದೆ. ಅದು ಓತ್ತುವಷ್ಟರಲ್ಲಿ ಮಳೆ ಇನ್ನೂ ಜೋರಾಯಿತು. ನನಗೆ ಇನ್ನೂ ಋಷಿ. ಅಲ್ಲಿ ಸುಮಾರು ಜನ ನಿಂತಿದ್ದರು. ಅಲ್ಲಿಯೇ ನಿಂತು ಇನ್ನು ಮಾತು ಹೊಡೆಯುವದರಲ್ಲಿ ಯಾಕೋ ಯಾವ ಸ್ವಾರಸ್ಯವೂ ಕಾಣಲಿಲ್ಲ. ಪಟ್ಟನೇ ಓಡಿ ರಸ್ತೆ ದಾಟಿ ಸೈಕಲ್ ಸ್ಟಾಂಡ್ ಸೇರಿದೆ. ಅಲ್ಲಿ ಯಾರ ಗೊಡವೆ ಇರಲಿಲ್ಲ. ಮೌನ, ಏಕಾಂತ. ಸುತ್ತಲೂ ನೀರಿನ ಸಂಗೀತದ ಚೆಂದದ ಲೋಕ. ಮಳೆಯ ನಿನಾದವೊಂದೇ. ಸರಸ್ವತಿಯ ಕಚ್ಚುಪಿ ವೀಣೆಯ ಕಲರವ ಸುತ್ತಲೂ ಪಸರಿಸುತ್ತೇನೋ? ಅದು ಮುಂಬರಲಿರುವ ರಾಮನವಮಿಯ ಸಂಗೀತೋತ್ಸವದ ರಸದೌತಣವನ್ನು ಮೊದಲೇ ಉಣಬಡಿಸಿದಂತಿತ್ತು. ಇಮ್ಮಡಿಸಿದ ಸುತ್ತಲಿನ ನಿರಾಡಂಬರದ ಚೆಲುವನ್ನು ನೋಡಿ ಮನವಂತೂ ಆರಳಿ ಹೂವಾಯಿತು.

ನಡುರಸ್ತೆಯ ಆ ಕಡೆ ಕ್ಯಾಂಟೀನಿನ ಕಟ್ಟೆಯ ಮೇಲೆ ಸಿವಿಲ್ ವಿದ್ಯಾರ್ಥಿಗಳು ಮುಂದೆ ನಡೆಯಲಿರುವ ಸಾಂಸ್ಕೃತಿಕ ಸ್ಪರ್ಧೆಗಳ ಬಗ್ಗೆ ಗಾಢವಾಗಿ ಚರ್ಚಿಸುತ್ತಿದ್ದರು. ಅದರಲ್ಲಿ ಅದೇನೋ ಅವರಿಗೆ ವಿಶೇಷ ಆಸಕ್ತಿ. ಪಕ್ಕಕ್ಕಿರುವ ಕ್ರಿಕೆಟ್ ಮೈದಾನದಲ್ಲಿ ಪೂರ್ತಿ ಆಗಲೇ ನೀರು ತುಂಬಿಹೋಗಿತ್ತು. ಹಾಲಿನ ಬಿಳಿ ಎಳೆಯಂತೆ ಆಗಾಧವಾಗಿ ಸುರಿಯುವ ಮಳೆ. ನಡುರಸ್ತೆಯಲ್ಲಿ ಮಳೆನೀರಿನ ಪ್ರೀತಿಯ ಸ್ಪರ್ಷದಿ ಪೂರ್ತಿಯಾಗಿ ನೆನೆಯುತ್ತ, ಗಾಡಿಯ ಮೇಲೆ ಡಬಲ್ ಅಥವಾ ತ್ರಿಬಲ್ ರೈಡಿಂಗ್‌ನಲ್ಲಿ ಹೋಗುವ ವಿದ್ಯಾರ್ಥಿಗಳಿಗೇನೂ ಕಡಿಮೆಯಿರಲಿಲ್ಲ. ಕೆಲವರಂತೂ ಬಲು ಆರಾಮವಾಗಿ ನಡೆಯುತ್ತ, ಮಳೆಯಲ್ಲಿ ನೆನೆಯುತ್ತ, ಲೋಕಾಭಿರಾಮವಾಗಿ ತಮ್ಮದೇ ಲೋಕದಲ್ಲಿ ಸಾಗುತ್ತಿದ್ದರು. ನಾನೂ ಮಳೆಯ ಮುತ್ತಿನ ಹನಿಗಳನ್ನು ಬೊಗಸೆಯಲ್ಲಿ ಹಿಡಿಯಲೇ? ಸಕಲವನ್ನೂ ಮರೆಸಿ ಸ್ವರ್ಗಲೋಕಕ್ಕೆ ಕರೆದೊಯ್ಯುವ ಅಂದದ ಮಳೆಯಲ್ಲಿ ನಾನೂ ನೆನೆಯಲೇ? ಎಷ್ಟೇ ಅದರೂ ಸೌಂದರ್ಯದ ಕಾಲ. ಸುತ್ತಲೂ ನೀರು, ನಡುವೆ ಸೈಕಲ್ ಸ್ಟಾಂಡ್ ಎನಗೆ ಅಲೆಪ್ಪಿ ಬೋಟ್ ಹೌಸ್‌ನಂತೆ ಗೋಚರಿಸತೊಡಗಿತು.

ಶಿವರಾತ್ರಿಯಿಂದ ಇತ್ತೀಚೆಗಿನ ಬಹಳ ಬಿಸಿಲಬೇಗೆಯ ನಂತರದ ಆ ಮೊದಲ ಮಳೆ ಸಾಕಷ್ಟು ಹಿತವಾಗಿಯೇ ಸುರಿಯುತ್ತಿತ್ತು. ಅಲ್ಲಿನ ತಣ್ಣನೆಯ ಗಾಳಿ ಬೆಚ್ಚಗಿನ ಲಾಲಿ ಹಾಡುತ್ತಿದೆಯೇನೋ ಎನಿಸುತ್ತಿತ್ತು. ಪ್ರಕೃತಿಯ ಪ್ರೇಮಕ್ಕೆ ಆದಾವ ಮನ ಸೋಲದೇ ಹೋದೀತು? ಕಾಲಕಾಲಕ್ಕೆ ಋತುಬದಲಿಸಿ, ಪ್ರಕೃತಿ ನೀಡುವ ಪ್ರೀತಿಯ ಸ್ಪರ್ಷಕ್ಕೆ, ಬದುಕು ಮಾಗದೇ ಇದ್ದೀತೆ? ಮನಸ್ಸಿಗೆ ಇನ್ನೂ ಸ್ವಲ್ಪಕಾಲ ಅಲ್ಲೇ ಕಳೆಯೋಣ ಎನಿಸಿತು. ವೇಳೆಯತ್ತ ಕಣ್ಣುಹಾಯಿಸಿದರೆ ಆಗಲೇ ಮುಕ್ಕಾಲು ಘಂಟೆ ಕಳೆದಾಗಿತ್ತು. ಹಾಸ್ಟೆಲ್‌ನಿಂದ ವಾಪಸ್ಸಾಗುತ್ತಿದ್ದ, ದೂರದಲ್ಲಿ ಕಾಣಿಸಿದ ಆಟೋಗೆ ಮನಸ್ಸಿಲ್ಲದೇ ಕೈಬೀಸಿದೆ. ಬೇರೆ ದಾರಿಯಿರಲಿಲ್ಲ. ತಟ್ಟನೇ ಹಾರಿ ಆಟೋ ಸೇರಿದೆ. ಆಟೋದ ಕಿಟಕಿಯಿಂದ ಮಳೆಯ ಚಿತ್ರವನ್ನು ಮನದಲ್ಲಿ ಸೆರೆಹಿಡಿಯುತ್ತಾ ಮನೆಯತ್ತ ಸಾಗಿದೆ.

ಹಳೆಬೇರು, ಹೊಸಚಿಗುರಿನ ಯುಗಾದಿಯ ಕಾಲದ, ಆ ಸುಂದರ ಸಂಜೆ ಹದವಾಗಿ ಸುರಿದ ಮಳೆ, ತಣ್ಣನೆಯ ಗಾಳಿ, ಮಕ್ಕಳ ಉತ್ಸಾಹಭರಿತ ಆಟ...ಪ್ರಕೃತಿಮಾತೆಯ ಪ್ರೀತಿಯ ಕೊಡುಗೆಯಂತಿದ್ದ ಆ ಮಳೆಸಂಜೆಯ ಸುಂದರ

ಚಿತ್ರಗಳು ಕಣ್ಣುಮುಂದೆ ಇನ್ನೂ ಕಟ್ಟಿದಂತಿವೆ. ನೆನಪುಗಳ ಮಾತೇ ಮಧುರ.

Social Media



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Today we get connected online and interact. On an average, almost everybody use internet for one or the other purpose, either directly or indirectly. The group of Facebook, Twitter, Instagram, Youtube, other internet websites and many apps together are called Social media. Especially Facebook, Whatsapp have completely and passively absorbed today's youngsters and people of all other ages and profession, even teaching fraternity too. Ofcourse, it may help to get connected, may reconnect with old friends and far relatives but slowly that joy is getting dissolved. Photos of public or even private celebrations posted are soon becoming enviable corner for many unknowingly.

One cannot imagine what life would be without Facebook. Through Facebook, we become target to many ads. The brands embed a Facebook pixel into their websites. These are invisible trackers. Whenever we load a website for a brand, Facebook pixel sends information about the device and its users. This is one of the approaches to collect users information. Advertisers have methods other than Facebook to chase around. With Facebook's tools, it was readily affordable and effective for them to track its users. Without those, it gets very costly. If you have deleted a Facebook account and have a tracker blocker, you are almost a free man.

Google is the most popular and powerful search engine. But it uses lot of users data and tracks them. One's privacy must always be respected. But user's all private details are sought without one's own permission, sometimes theft and misused. Technology is advanced to the level of using one's email and chatting with another in somebody else name. But technology is good only when used in a healthy manner. In this information era, we are unknowingly being fooled by enormously available data where in for a small bit, we have to dig a lot. We need still more secured and sensible search engine.

People are becoming more and more obsessed with what is not in social media. They are so absorbed that their work may get hampered. Friends are becoming just some contacts, rather than close and dear ones. The very definition of happiness is getting changed. When one cannot say at least some hello to just next to oneself, but so easily get involved in some deep online conversation with somebody unknown or unseen, end with a fancied relationship. This has created illusionary world of relationships which in real life cannot be dependent upon. Today we read many a times in daily's, so many lives seeing tragic ends due to the fact that virtual relationships cannot fill the space of real relationship's actual feel and experience.

Human being is human being. When one is at lower end of mental state, other's joy pulls one still more and more down. There is no other way to show off in social media without causing envy in others. You may be at higher level of ethics, but world may not be at your level. Standards do differ. With wrong obsession, people are becoming more and more anxious unnecessarily. They are getting confused with reel life self and real life self. If they reduce their online interaction, it may help to better their real life relationships. Today actually social media instead of joining, is dividing people.

Social Media


Internet has spread across all boundaries. In inevitable some situations where we cannot avoid the usage of internet, the best alternative for each service that google provides as a search engine on internet must be sought and be preferably used so that fake and deadly sites are quenched completely. Then their intensity of havoc may reduce. For example, alternative for google, Mozilla firefox, DuckDuckGo, for whatsapp, Lineapp, for youtube, Vimeo, for gmail, Outlook, Fastmail, for google map, Bingmap, for google doc, Word doc, for playstore, F-Droid, Yalp store APK, for google calendar, Etar and so on like this.

If one is not on internet, one is out. Netizens feel so. That is why it has become compulsive and obsessive for them which actually cannot be an enjoyment. The speed which social media provides is not needed most of the times. It may help to mobilize the mass and seek public attention and help fast but Internet, Facebook, Whatsapp... have completely absorbed today's youngsters and children too. They are getting addicted to text messaging, video gaming, online shopping, instead of sharing, just comparing their life with others etc. If you do not follow a group that can attract all, then yours is a very strong and stable mind. Only that can have inner freedom and think independently. It can embrace the the good ones and reject unwanted bad ones however charming they are. Slowness is freeing with control. Mind can be free and responsible too.

Today many misguiding and meaningless new celebrations and practices are coming up in the society. We need a very strong and stable minded people who will not fall for false charms. It is mental ability and inner freedom that can make them be happy and safer from ill impact of social media. When one is sad, depending on one's psychology and personality, one can be still more unhappy by the dark side of social media. They will have become so weak that they cannot escape from the evil effects of all misinformation and non-cooperartion over social media. It may worsen their mental health if they are not vigilant about what they are absorbing in it.

Social media may have some positive side but wrong inclination which is large must be viewed very seriously, however well you may justify about its usage. Because it strongly depends on age and offline wellbeing whether one is happy and safe, or not, after using it. **Let us not make it as the only corner for connecting and cooperating!** Social media is OK if used with caution and moderation and that too, it should be used only in inevitable situations. Otherwise, as per researchers, total destruction of human mental and social health is not too far. Let us better think twice and act accordingly. It is better if we try to reduce social media usage and help self for 'Self help mantra' is the best!





WOMEN'S IN OUR SOCIETY

Chaitra D.S

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Inspired by: Deepa N

“Women have talent and intelligence but, due to social constraints and prejudices, it is still a long distance away from the goal of gender equality”

-Pratibha Patil

Firstly, I am proud of my country. Our country has the beauty and ancient culture which we kept still alive and as well we all are known for populated democratic country. But it's hard to accept that are we really making any sense in case of women in our country.

No, I don't think so...

The women are treated in well-respected manner in two situations only one is when we see goddesses in temple and on march 8th by keeping status in Instagram, WhatsApp and as well in other social media's etc. Once we come out of temple, we will see the women in different way, just question yourself whether it is true or not? Why these things happen? Why same respect is not in the eyes of people like while they are praying to goddesses which is also a woman. Is our limitation is restricted to temples only? Question yourself?

It is a jolt to see India scoring worse than war torn countries such as Afghanistan or Syria or monarchies such as Saudi Arabia where women have few rights. Everyone or other countries accepts more and far better for women from India. As we have the world largest functioning democracy, but we are lagging behind somewhere. Our government working well in the name of women empowerment but whether it is enough to the nation is to be noticed. Once it was said that the nation is the country noticed not by what are the facilities given to women or what are the laws made to women. By women are actually treated in a culture despite of formal law education or income etc.

Nowadays the most harsh truth is the majority of women do not feel safe alone on the street, at work, market, college or at her own home even though they have learnt how to cope with this existential anxiety even if you have doubt you ask ten women in your street in that eight will say “No we are not safe” or those who say “yes, had learned to modify their behaviour to feel safe like they don't go out alone unnecessarily or freely, or will reach home before dark or late.

In some families they get permission to go out or always to be alert or careful even they don't talk with the guy or strange person with an eye contact because of insecurity or hundreds of negative thoughts will be running in their mind. This is the serious question in what situations thus our women are really facing in our society.

The paradox is that women have protected men and their families by keeping quiet and swallowing all her pains. The NCV (National Crime Records Bureau) displace the interesting statistics which says that 40% women had registered the case of rape and 95% where knowing the rapist or victim which is shameful to our society. More interestingly the victim was not unknown but was belong to “circle of trust” of extended family or friend which is shocking.

This statistic will really prove that our behaviour towards the women. And each one of us should accept that women's have little value in the society. For the name seek people shout at equal rights for men and women. But when women cross men these same people will become against her. The uncultured or disrespectful towards women is being practiced by each one of us by knowingly or unknowingly.

Finally, I want to conclude my topic by saying that the people whoever says that they had sight or vision of safety towards women please, change your vision because they really don't want that. They just need freedom and enjoy their own style of living. I am 100% sure that if your sight or way of treating the women changes then everything will change for once.



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3rdYEAR, IS&E, BIET.

माँ

हमारे जीवन में सबसे महत्वपूर्ण इंसान हमारी माँ होती है। जो एक वास्तविक प्रकृति की तरह हमेशा हमारी परवरिश करती है। वो हमेशा हमारे साथ रहती है और हर पल हमारा ध्यान रखती है। ढेर सारे दुख सहकर वो हमें अपनी कोख में रखती है। जब की उसके वास्तविक जीवन में वो हमेशा हमारे बारे में सोचकर खुश हो जाती है। बिना किसी शिकायत के वो हमें जन्म देती है। पूरे जीवन भर हम उसके प्यार और परवरिश की तुलना किसी और से नहीं कर सकते इसलिए हमें हमेशा उसको प्यार और सम्मान देना चाहिए। हर वो इंसान जिसके माँ है वो दुनिया का सबसे खुश नसीब व्यक्ति है और उसे भगवान से ढेर सारा आशिर्वाद मिला हुआ है।

एक माँ बेहद सामान्य महिला होती है जो अपने बच्चों की खुशी के आगे अपनी खुशी को कुछ नहीं समझती। वो सभी के जीवन की पहली अध्यापक होती है। जिसकी शिक्षा पूरे जीवन भर कीमती और लाभप्रद साबित होती है।

गुरु

गुरु कोई व्यक्ति नहीं, कोई शरीर नहीं, गुरु एक तत्व है, एक शक्ति है। गुरु यदि शरीर होता, तो इस छोटी सी दुनिया में एक ही गुरु पर्याप्त होता। गुरु समर्पण है। आपका गुरु आपके व्यक्तित्व का परिचय है। कब, कौन, कैसे आपके लिए गुरु साबित हो, यह आपकी दृष्टि एवं मनोभाव पर निर्भर करता है। गुरु प्रार्थना से मिलता है। गुरु समाज से मिलता है। गुरु किस्मत से मिलता है और किस्मतवालों को मिलता है।



Divya D Palankar
3rd YEAR, IS&E, BIET.

IMPORTANCE OF TECHNICAL EDUCATION IN INDIA

India is witnessing the age of science and technology. There is huge demand for technical education in modern age. The pattern of life evolving in this age is very much different from the one we would find in our society even some fifty years back. Technical Education imparts knowledge of specific trade, craft or profession. General education has been substituted by professional technical education in many cases. Technical education offers good opportunity for employment and successful career.

Technical Education can meet the expanding demands of expanding society and to meet its multiplying demands. The industries, mechanized systems and scientific research centres all over the world prove beyond doubt that our tie with the past is snapped and instead of bare hands we must use machines and technological devices for all-round development and regeneration of human society. In our everyday life and in every sphere of our life the influence of science and technology is becoming so pervasive that man's existence in this world is simply inconceivable in their absence today. This is why, to train our people in response to the need of the time, our education must be reorganized to give it the necessary practical and technical bias.

This role of education institutions found it necessary to redefine the end of education, which was to be in the main stream of economic development and to ensure a place for India in the community of prosperous nations. It was not just an end, it was the dream of modern India, and technical education was given the due importance with a view to realizing that dream.

Besides this, in this age of unemployment, only technical education can assure one of a job and a comfortable living. Those who are still in the conventional institutions, passing examination that have little relevance in the modern systems, find no opportunities of employment. And, quite naturally, they are victims of frustration and find themselves alienated from the mainstream of modern world. With their stereo-typed general education without any specialization and professional skill they acquire nothing to contribute to the progress and prosperity of the human society. They are quite aware of this and this awareness leaves them demoralized.

It is heartening to find even our schools introducing new syllabus making science and vocational courses compulsory. Right from the beginning our students' to-day are shown the way in which they can explore avenues of their choice and participate in the march towards human progress.

जिंदगी एक कड़वी हकीकत

जिंदगी तूने जीना सिखा दिया,
 अपनों को खोकर जिंदगी बिताना दिखा दिया।
 रिश्तो को तोड़कर प्यार को खो कर रहना सिखा दिया,
 ऐ जिंदगी तूने जीना सिखा दिया।
 जिंदगी थी खुशियों से भरी तूने रूठ के,
 जिंदगी जीना सिखा दिया।
 ना मारने दिया, ना कुछ करने दिया,
 ऐ जिंदगी तूने जीना सिखा दिया।
 प्यार था मुझे तुझसे बहुत,
 अब नफरत भी ना कर सका हूं।
 मोहब्बत करने वालों से नफरत कर बैठा हूं,
 ऐ जिंदगी तूने जीना सिखा दिया।



Muktiyar A Mulla
 6th Sem
 Chemical Engineering

तेरी मुंह में मदहोश बैठा था मैं,
 तेरी हर बात को सही समझ बैठा था मैं।
 तेरा नशा उतरा तो पता लगा,
 कई दिनों से सोया था मैं।
 ऐ जिंदगी तूने जीना सिखा दिया।

मौत आई तो अब पता लगा,
 जिंदगी तू तो हसीन थोका थी।
 दुनिया में यह धोखा बीत गया,
 मौत से मुझे प्यार हो गया।

जिंदगी तूने जीना सिखा दिया,
 मोहब्बत करने वालों से अलविदा करवा दिया।
 ऐ जिंदगी तूने जीना सिखा दिया।
 ऐ जिंदगी तूने जीना सिखा दिया।

ಅಪ್ಪಾ

ನನ್ನ ಅಳು ನೋಡಿ ಕಿರುನಗೆ ಬೀರಿದೆ ನೀನು ಅಪ್ಪಾ...
 ನನ್ನ ಪುಟ್ಟ ಕೈಬೇರಳು ಹಿಡಿದು ಶಾಲೆಯತ್ತ ಹೆಜ್ಜೆ
 ಹಾಕಿದೆ ನೀನು...
 ಶಾಲೆಯೊಳ್ಳಕ್ಕೆ ನನ್ನ ಬಿಟ್ಟು... ಕಿಡಕಿಯಲ್ಲಿ ಅಡಗಿ...
 ನನ್ನ ಗಮನಿಸಿದೆಯಲ್ಲಾ ಅಪ್ಪಾ...
 ಹುಷಾರು ಇಲ್ಲದಿರುವುದು... ನನಗಾದರು ಅಳುವುದು...
 ನೀನಲ್ಲವೇ ಅಪ್ಪಾ...
 ಮನದಲ್ಲಿ ಸಾವಿರ ಕಷ್ಟವಿದ್ದರು ಮುಖದಲ್ಲಿ ನಗು
 ಬೀರಿ ನನ್ನ ಕೈ ಹಿಡಿದು ನೀ ನಡೆದಿರುವೆ ಅಪ್ಪಾ...
 ನನ್ನ ಕನಸಲ್ಲಿ ನಿನ್ನ ಜೀವನವನಿಟ್ಟು... ಕೂಸುಮರಿ
 ಮಾಡಿ ಜಗವನ್ನು ಪರಿಚಯಿಸಿದೆ ಅಪ್ಪಾ ನೀನೂ...
 ಹುಟ್ಟು ಹಬ್ಬ ನಿನದಾದರು ಹೊಸ ಉಡುಪು...
 ಕೊಡಿಸುವುದು... ನನಗಲ್ಲವೇ ಅಪ್ಪಾ...
 ಎನನ್ನೂ ಬಯಸದೆ ನಿರೀಕ್ಷಿಸದೆ ನಿಸ್ವಾರ್ಥಿ ನೀನು...
 ಅಪ್ಪಾ...
 ನೀನೊಂದು ಅದ್ಭುತ ಅಪ್ಪಾ ಅಧ್ಯತಮೋಳಗಿನ...
 ವೀಕ್ಷಕಿ ನಾನು ಅಪ್ಪಾ...
 ಸಾಲು ಸಾಲು ಬರೆದರೂ ಮುಗಿಯದು... ಅಪ್ಪಾ...
 ನನ್ನ ನಿನ್ನ ಅನುಬಂಧ.

ಗುರಿ

ಇದೆಯೊಂದು ಗುರಿ...
 ಏನಾದರೂ ಸಾಧಿಸುವುದೇ ಸರಿ
 ಮನ ಹೇಳುವುದು ತಲುಪುವ ಪರಿ
 ಹಿಂಜರಿಯದೆ ಸಾಗು ಓ ... ನಾರಿ
 ಸಾಗುತ್ತಿದೆ ಈ ಬದುಕಿನ ದಾರಿ
 ಸಮಯ ಹೇಳುತ್ತಿದೆ ತನ್ನ ತವಕ
 ಗೆದ್ದರೆ ಇದೆ ಹಣೆಗೊಂದು ತಿಲಕ
 ಗುರಿಯ ಕಡೆಗೆ ಕೈ ತೋರುವುದು ಸೂಚನಾ ಫಲಕ
 ನನಸಾಗಲಿ ಈ ಕನಸು ಮುಗಿಲ ತನಕ

ಸಹನಾ ಗಂಗಾಧರ್ ನಾಯ್ಕ
 4 ನೆ ಸಿಮಿಸ್ಟರ್
 ಕೆಮಿಕಲ್ ಎಂಜಿನಿಯರಿಂಗ್



ಮೌನ ಪ್ರತಿಭಟನೆ

ನನ್ನದೊಂದು ಸೂಕ್ಷ್ಮ ಚಿಂತನೆ,
 ಘಟಕಾಲಗಳಿಂದ , ಘಟಿಸಿಹೋದ ಕಾಲದಿಂದ ಸಂಭವಿಸಿದ
 ಪ್ರತಿಭಟನೆಗಳ ಬಗ್ಗೆ ನಾ ಬಲ್ಲೆ
 ನಿರ್ಮಲ ಮನಸ್ಸಿನ ವ್ಯಕ್ತಿತ್ವ ಹೊಂದಿದ ವಿವೇಕಾನಂದರ ಬಸವಣ್ಣರ ಕನಕದಾಸರ ಸರ್ವಜ್ಞ ರ ಬರವಣಿಗೆಯಲ್ಲಿ
 ಪ್ರತಿಭಟನೆ ಕಂಡೆನಯ್ಯ ,
 ಅಂದಿನ ಮನುಜರಲ್ಲಿ ಧೈರ್ಯ ಮೂಡನಂಬಿಕೆಯ ಕತ್ತಲು ಸರಿದು ಬೆಳಕಿನೆಡೆಗೆ ನಡೆಯಲು ಅಂಧಕಾರ ನಿರ್ಮೂಲನೆ
 ಪ್ರತಿಭಟನೆಯ ಬಗ್ಗೆ ತಿಳಿದಿದ್ದೇನಯ್ಯ.
 ಆದರೆ.... ಇಂದಿನ ಜನರೆಲ್ಲಾ ಮುಂಜಾನೆ ಹೊತ್ತಲ್ಲಿ go green ಎಂದು ಪ್ರತಿಭಟನೆ ನಡೆಸುವರಯ್ಯ .
 ಮುಸ್ಸಂಜೆ ಹೊತ್ತು ಕಳೆಯುವುದರೊಳಗೆ ವಾಹನಗಳನ್ನು ಇಂಧನ ಬಳಸಿ ರಾಮಾಯಣದ ಪುಷ್ಪಕವಿಮಾನದಂತೆ ಸವಾರಿ
 ನಡೆಸುತ್ತಿರುವರಯ್ಯ.
 ಪ್ರಾಣಿಗಳ ಅತ್ಯಾ ನಿಷೇಧ ಕಾಯ್ದೆ , ಗೋವು ಅತ್ಯ ನಿಷೇಧದ ಕಾಯ್ದೆ ಪರವಾಗಿ ವಸಂತಗಟ್ಟಲೆ ಪ್ರತಿಭಟನೆ
 ನಡೆಸುವರಯ್ಯ.
 ಆದರೆ ನಿಮಿ ನಿಮಿಷಗಳಲ್ಲಿ ಆಣು ಬಾಂಬ್‌ಗಳನ್ನು ಉಪಯೋಗಿಸಿ ತಮ್ಮ ಕುಲದ ಮನುಜ ಪ್ರಾಣಿಯನ್ನೇ
 ಕೊಲೆಗಯ್ಯುವರಯ್ಯ..
 ವೃದ್ಧ ರನ್ನು ಅವರ ಕೊನೆಯ ಕ್ಷಣದವರೆಗು ಆರಳಿದ ಪುಷ್ಪ ವನ್ನು ಬಾಡದಂತೆ ನೋಡಿಕೊಳ್ಳಿ ಎಂದು ಪುರಾಣ
 - ಜಾಗರಣೆ ಮೂಲಕ ಪ್ರತಿಭಟನೆ ನಡೆಸುವರಯ್ಯ
 ಆದರೆ ನಗ ನಗರಗಳಲ್ಲಿ ವೃದ್ಧ ಆಶ್ರಮಗಳ ಉತ್ಪತ್ತಿಗೆ ಈ ಮನುಜರೆ ಕಾರಣರಯ್ಯ
 ಮನುಜ ಮೂಡನಂಬಿಕೆಯಿಂದ ಮುಕ್ತನಾಗಿದ್ದನಯೇ ಹೊರತು ಆತನ ಸ್ವಾರ್ಥತೆಯಿಂದಲ್ಲ , ಆದ್ದರಿಂದ
 ಈ ಮನುಜನ ಸ್ವಾರ್ಥತೆ ,ಆತನ ಆಂತರಿಕ ಗಾಯ ಹೊಲೆಯುವಂತೆ ಮಳೆ ಸೂರಿಯೆ ಎಂಬ ನನ್ನ ಮೌನ ಪ್ರತಿಭಟನೆ!! ...



ಪವಿತ್ರ ಪಾಟೀಲ್
 6 ನೆ ಸಿಮಿಸ್ಟರ್
 ಕೆಮಿಕಲ್ ಎಂಜಿನಿಯರಿಂಗ್

ಹೋರಾಡು ಗುರಿಯೆಡೆಗೆ
 ಹೋರಾಡು ಜೀವನದೆಡೆಗೆ
 ಮುಟ್ಟಿರಾರು ನಿನ್ನನು,
 ನಿನ್ನ ಗಟ್ಟಿತನವನು....!!
 ಬಿಡು ಭಯ
 ಅಂಜಿಕೆಯ ನೆರಳನು..
 ಸಾಧಿಸುವ ಫಲವಿರಲಿ,
 ನಿನ್ನದೇ ದಾರಿಯಲಿ ...
 ನಿನಗೆ ನೀನೆ ಸಾಟಿ
 ನಿನಗೆ ನೀನೆ ಶಕ್ತಿ
 ಕಾಣಲಿ ಯಶೋಗಾಥೆ
 ಸಿಂಹಾವಲೋಕನದಲಿ ...
 ನಿನ್ನ ಚರಿತ್ರೆಯ ಪುಟದಲಿ....!!!!



ಸುಚರಿತ S D
 ಸಹಾಯಕ ಪ್ರಾಧ್ಯಾಪಕಿ
 E & CE ವಿಭಾಗ

ಮಳೆ ಹನಿ ಸದಲಿ ಕೇಳಿತು ನೀನ ಧ್ವನಿ
ಗುಡುಗಿನಂತ ಆರ್ಭಟ ನಾನಾ ಮನಸಲಿ
ಸ್ಪರ್ಶಿಸಿಧೆ ನಿನ್ನ ರೂಪವನ್ನು ತಂಗಾಳಿಯಲ್ಲಿ
ನೀ ಇಲ್ಲದ ಜೀವನ ಮಳೆನಿಂತ ಜಿಟುಕು ಹನಿ
ಕಂಡೆ ನಿನನು ಕಾಮನ ಬಿಲ್ಲಿನಲ್ಲಿ
ಹುಡುಕಿದೆ ನನ್ನ ಮನಸನ್ನು ತುಂಬಿದ ರಂಗಿನಲ್ಲಿ
7 ಬಣ್ಣದ ಬೆಳಕಿನಂತೆ - ನನ್ನ ಮನಸಿಗೆ ನೀನ ಚಿಂತೆ
ಮೋಡಕವಿಧಿಧರು ನಿತ್ಯಬ್ಬ ನಿನ್ನ ನೋಟಕೆ ನಾ ಸ್ಥಬ್ಧ
ಜಲಪಾತದಂತೆ ಹರಿಯುತ್ತದೆ ಕಂಬನಿ
ಮನಸಿನ ಸಾಧಿಗೆ ಮರಿಯಾಯ್ತು ಮಳೆಹನಿ
ಗುಡುಗು ಸಿಡಲಿನ ಆರ್ಭಟ ನಾ ಕಂಡ ಕನಸಿನಲಿ
ಕಣ್ಣಂಚಲಿ ತುಂಬಿದೆ ಒಂದ್ ಎರಡು ಕಂಬನಿ

ಬಿಸುವ ತಂಗಾಳಿಯಲಿ ಚಲಿವಿಲಿ ಕೋಗಿಲೆ ಸದಲಿ
ನೀನನ್ನೂ ವರ್ಣಿಸಿದೆ ಇಲ್ಲಿ ಸದಾ ನಾ ನಿನ್ನ ಮಡಿಲಲಿ
ಆ ನಿನ್ನ ಒಂದು ರೂಪ ಅಥೆ ನಮ್ಮ ಸ್ವರ್ಗ ಅಥೇ ನೀ ನಿರ್ಸರ್ಗ ನೀ ಸ್ವರ್ಗ
ಕತ್ತಲಾದರೆ ಏನು ಬೆತ್ತಲಾದರೇನು
ಜೀವನ ಸಾಗುವುದು ಇಂದು ಮುಂದು
ಕಷ್ಟ ಆದರೇನು ನಷ್ಟ ಆದರೇನು
ನಿನ್ನ ಜೀವನದಲ್ಲಿ ನೀನು ಒಬ್ಬನೇ ಎಂದು
ತಿಳಿದು ಕೊಂಡರೆ ಜೀವನ ಸುಕಕರ ನಿನ್ನದು
ಇಲ್ಲ ಅಂದ್ರೆ ನಾವು ಕೂಡ ನೀನದು...

ಜಗತ್ತು ತುಂಬಿದೆ ದೈವದಿಂದ
ಹೃದಯ ತುಂಬಿದೆ ಪ್ರೀತಿ ಇಂಥ
ಜಗತ್ತಿಗೆ ಹೇಳು ನಿನ್ನ ಹೃದಯದಿಂದ
ನಿನ್ನ ಪ್ರೀತಿ ಎಷ್ಟು ಸುಂದರ
ಹಾಗೆ ಗೀಚಿದ ಸಾಲಿನಲ್ಲಿ ಅರ್ಥ ತುಂಬಿದೆ
ಅರ್ಥ ಹುಡುಕಿದ ಮನಸ್ಸಿಗೆ ನೋವು ಸುಲುಕಿದ
ಉತ್ತರ ಸಿಕ್ಕ ಮನಕ್ಕೆ ನೆಮ್ಮದಿ ತಲುಪಿದೆ
ಸಿಗದ ಉತ್ತರಕ್ಕೆ ಪ್ರಶ್ನೆ ಕಾಡಿದೆ
ತರಣಾಗು ನಿದ್ರೆಗೆ ನನ್ನ ಮನವೇ
ಸಿಗದೇಇರುವ ಸ್ವರ್ಗಕ್ಕೆ ನೀನೇಕೆ ಕೊರಗುವೆ
ಸಾಗರದಂತೆ ನೀವೊಮ್ಮೆ ಹರಿಯುವೆ
ಅಲೆಯ ಆರ್ಭಟ ದಂತೆ ನೀ ಮರೆಯಾಗುವೆ

Harsha B C
6th Sem,E&C

Lie On The Open Green Fields

*In the open green fields, where the birds sing
as we seek Sight upon the open blue sky,
As too the umbrella that passed, right, beside
me; As any little doll would carry,
Dazzled as ye heart dreamed of will too tough
to conquer.
Here in the open green fields;
The cold winds pass by the dusk of the summer
sun; Of life's beauty spring.
Keen as the umbrellas turned off to rear The
doll's face lit, lithe far beyond reach, And sigh,
I remember the day till today;
Of doll which spoke as it brook a tear off it's
chin; The dust blew straight to her sparkle eye,
And she spoke of what wasn't real, And of
dream long lost,
But the bubble blew!
Too tough to accept;
Lie to real to be a dream,
As I slept on the lap of the open green fields.*

Secrecy

*Sometimes secrecy is a solemn deed; It is at
times unavoidable,
When your schemes of past reveal its peel, It
is one painful deal.
You would want to smash the pie out of it
misery , Sadly it's destined to be a messy
meal,
"My!! why such a fallacy,"
Little do they know the pain that resides
within.
The ringing of the bell,
The creaking of a rising hen, The stare of a
crow-ell,
Shade of distrust hanging down its veil,
All of which reminds me of my solemn deal,
The one I ought to take down with.
The fear behind which; a castle, There a wave
of destiny,
Then to be saved by a will,mysterious; Ain't it
a sight of wonder,
But the sight of the same going down the well
seeps within.*

A Sleep To Awake In Past

*The days you never mind, Sweat dripping off your face;
 The dirty sleeve held contrast to the white you wore the day;
 With eyes which sparkle with shine,
 Same as the one's these splashed drops of streams enshrined.
 In the summer morn, You set out to play, Amid the gentle
 breeze,
 The choir of swaying trees,
 Smirking your way through the trumpet of the buzzing bees.
 There you meet accompany of three, Waiting eagerly for you
 to be; Moving past a vivid crowded street, Just to climb up a
 big ol' tree,
 Which bowed down a slope,
 Just for 'we' to slip down it's beak.
 Later up on the same old tree, 'We' take a breath;
 Stare down the march of the black ants, as they wee, while the
 tender sunshine made its way to the shade, Through the
 foliage of tender green leaves.
 There the day passes by,
 As the sun dips down the western horizon;
 You wonder what lies beyond the ethereal scene, Mesmerized
 by the red orb, sinking down the aflamed sea, You fall asleep,
 Just to be woken up in a busy self,
 Wondering if only you could forever fall asleep.*



Rahul Paul
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SILENCE-THE BEAUTY

*The beauty that drives
 Oneself towards the
 Divinity in its entirety
 Pushes mind away from
 The world entity....
 To realise the ultimate
 Reality...!
 Tiny seeds yields
 a gigantic tree...
 Darkness transforms
 Into light on sunshine
 Green plants liberate
 Oxygen for living beings
 Do the nature make noise...?
 Oh human beings!
 You are the only sounding
 Noisy children for
 The silent Mother...
 What a bizarre...!
 Ever sounding minds if
 Withdrawn to its source...*

*See! the glow of pure silence...!
 The origin of mystery
 Science and philosophy...
 The only existing grace...
 Feel the essence of
 The unique divine SILENCE!*



Priyanka D.V,
 Asst. Professor,
 Dept. of IS&E



ಮಾತು... ಮೌನ..

ಮಾತು...

ನೀಲನಭದ್ರಿ ಮಡುಗಟ್ಟಿ
ಹಾರಿ ಹರಡಿ, ಗುಡುಗು ಸಿಡಿಲಿಗೆ
ಭೂಮಿಗೆರಗಿದ ವರ್ಷಧಾರೆ,

ಮೌನ..

ಮಳೆ ನಂತರದ ಖಾಲಿ ಅಂಬರ
ತೊಳೆದ ಮುತ್ತಿನಂಥಾ ಭೂಮಿಗೆ
ಪವಡಿಸುವ ಸೂರ್ಯೋಜ್ವಲಿಸಿ ಸಿಂಗಾರ
ಮತ್ತೆ ಅಲ್ಲಲ್ಲಿ ತೇಲುತ್ಪಾ
ದಟ್ಟಿಸುವ ಬಾನು..



Divya D Palankar
3rd YEAR, IS&E, BIET

ಕನ್ನಡವೆಂದರೆ ನನಗೆ

ಕನ್ನಡವೆಂದರೆ ನನಗೆ

ಕಲಿತ ಮೊತ್ತ ಮೊದಲ ಅಕ್ಷರ,
ಉರು ಹೊಡೆದ ಮೊದಲ ಪದ್ಯ
ಹಾಡಿ ನಲಿದ ಮೊದಲ ಹಾಡು
ತೊದಲಿ ಮಾಡಿದ ಮೊದಲ ಭಾಷಣ
ಕಾಪಿ ಹೊಡೆದು ಬರೆದ ಮೊದಲ ಪ್ರಬಂಧ
ಬರೆದು ಅಡಗಿಸಿಟ್ಟ ಮೊದಲ ಕವಿತೆ
ಸುಳ್ಳು ನೆಪ ಬರೆದ ಮೊದಲ ರಜಾರ್ಜಿ
ಆರ್ಥ ಬರೆದ ಮೊದಲ ಕಥೆ...

ಕನ್ನಡವೆಂದರೆ ನನಗೆ

ನಾಲಿಗೆ ಉಲಿಯುವ ಇಂಪು
ಕಿವಿ ನಿಮಿರಿಸುವ ಕಂಪು
ಕಣ್ಣಿಗೆ ಕಡು ಚೆಲುವು ತಂಪು!

ಕನ್ನಡವೆಂದರೆ ನನಗೆ

ಅಪ್ಪಿ ಮುದ್ದಾಡುವ ಗೆಳತಿ;
ನೋವ ಭಾರಕೆ ಗೆಳೆಯನ ಹೆಗಲು
ರಜ್ಜೆ ಹಿಡಿದ ಮಗನಿಗೆ ಅಮ್ಮನ ಲಾಲಿ..

My Lifelines

*You both are special in every way,
Encouraging me more and more each
passing day.*

*You both are the reason why I'm so
strong.*

*With you two at the helm, not a thing
could go wrong.*

*You've both helped me through many
trials and tribulations.*

*You've made things better in every
situation.*

*Thank you both for always being there,
And showing me that you truly care.*

*Words could never explain how I feel
about you,*

But I hope you that I truly love you Dad

Soldiers

-Our real heroes

*I do not know your name,
Nor for which battle you died.*

*I do not know your home,
Nor the tears that were cried.*

*I do not know where you rest,
Nor the promises broken.*

*I do not know your uniform,
And your fears lay unspoken.*

*But, I know your spirit exists,
That your courage is admired,*

*And your sacrifice is honoured,
By each soul that's inspired.*

*And I offer you from my heart
Thank you, to guardians unknown*

*For contributing yourselves for us all
That we may keep freedom...*

Our home.

Bless you

ಹನಿಗವನಗಳು

೧
 ಗೆಲುವಿಗೆ ನೆಲೆಯಲ್ಲಿ
 ಸೋಲಿಗೆ ತೆರಬೇಕು ಬೆಲೆಯಲ್ಲಿ
 ಕಲ್ಪನೆಯ ಗೆಲುವಿಗಿಲ್ಲ
 ವಾಸ್ತವದ ಸೋಲಿಗಿಲ್ಲ
 ಇರುವುದು ಬೆಲೆಯಲ್ಲಿ

೨
 ಬಣ್ಣ ಬದಲಿಸುವ ಜನರ ನಡುವೆ
 ನೀ ತಣ್ಣಗಿದ್ದೀಯೆಂದರೆ
 ನಿನದೇ ನಿಜವಾದ ಧ್ಯಾನ

೩
 ಕಾಯಕವೇ ಕೈಲಾಸ ಕೆಲವರಿಗೆ
 ನಟನೆಯೇ ಕಾಯಕ ಹಲವರಿಗೆ
 ನಟಿಸುವ ಕಾಯಕ ಮಾಡುವವರಿಗೆ ಜೈ
 ಕಾಯಕ ಮಾಡಿದಂತೆ ನಟಿಸುವವರಿಗೆ ಮತ್ತೇಕೆ ಸೈ

೪
 ಮರಳಿಗೇ ಬರಗಾಲ
 ಒಳಿತಿಗೆಲ್ಲೆಯ ಕಾಲ
 ಇನ್ನೆಲ್ಲಿದೆ ಉಳಿಗಾಲ
 ಇದುವೇ ನೋಡಿ ಕಲಿಗಾಲ

೫
 ಒಂದು ಮುಂಜ್ಞಾನಿನಿ
 ಮಂಜಿನಿ ಮಿಂದೆದ್ದು
 ನಾ ನಡೆದು ಸಾಗುತಿರಲು
 ಆನಂದದ ಅನುಭೂತಿ
 ದೇವರ ಪ್ರತಿಕೃತಿ, ಈ ಪ್ರಕೃತಿ

೬
 ಜೋಳದ ತೆನೆಯಲ್ಲಿ
 ಕೆನೆಹಾಲು ಬರುವಾಂಗ
 ಮಳೆಸುರಿದು ಕಳೆ ತೆಗೆದು
 ಬೆಳೆ ಬೆಳೆದಾಂಗ
 ಇಳೆ ತಣೆದಾಂಗ
 ನಾನೊಂದ ಕನಸ ಕಂಡೆ
 ನನಸಾಯಿತು ನೋಡ
 ಮನಕಿಲ್ಲ ಆದರೂ ಸದರ
 ಮನ ಕಂದರದಿ
 ನೀ ಒಳಹೊಕ್ಕು ನೋಡಿದರ
 ನಿನಗಾಗ ಕಂಡೀತು
 ಬರೀ ಕಳೆ ನೋಡ, ಬರೀ ಕಳೆ ನೋಡ



Smt. Vijayalakshmi S. Hallikeri
 Assistant Professor,
 Dept. of AI & ML

A hand is holding a rectangular sign with a red border. The sign has the words "Art Gallery" written in a colorful, bubbly font. The word "Art" is on the top line, and "Gallery" is on the bottom line. Each letter is filled with a different pattern or color, including polka dots, stripes, and solid colors. There are several colorful paint splatters around the text: a pink one behind the 'A', a blue one behind the 't', a green one behind the 'G', and an orange one above the 'l'. The background of the entire page is a vibrant, abstract painting with splatters of yellow, red, and green on a white base.

Art
Gallery

Art Work (Paintings & Drawings)



SNEHA.U.V
8th Semester
4BD17BT027



Art Work (Paintings & Drawings)



YASHASWINI B.H
6th Semester
4BD19BT017

Art Work (Paintings & Drawings)



Jessica Prakash
6th Semester
4BD19CH009

Art Work (Paintings & Drawings)



Keerthana R Y
6th Semester
4BD19CH012

Art Work (Paintings & Drawings)



Sinchana K P, 8thSem, CS&E



Prerana Prakash L, 8thSem, CS&E



Thejaswini H M, 4thSem, CS&E

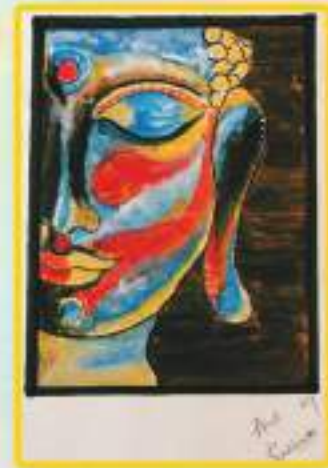


*RakshithaN G.
Student,
IS&E, BIET.*

Art Work (Paintings & Drawings)



*Shruti Shanbhag
Student, IS&E, BIET*



*Sushmita G Naik
Student, IS&E, BIET.*

Art Work (Paintings & Drawings)



Anushri T
Student, IS&E, BIET



Raj Kumar
Student, IS&E, BIET.

Art Work (Paintings & Drawings)



Art by
Sushritha K
2nd year MCA



Art by
Sushritha K
2nd year MCA

Art Work (Paintings & Drawings)



Smt. Vjyalakshmi S Hallikeri
Assistant Professor,
Dept. of AI & ML.











Sri. S S MaLlikarjuna, Minister for Mines & Geology and Horticulture Govt. of Karnataka. Addressing the gathering during Davana 2023



Felicitation to Sri. S S MaLlikarjuna & Dr. Prabha Mallikarjuna, during Davana 2023