



BEARYS INSTITUTE OF TECHNOLOGY - MANGALORE

(Affiliated by Visvesvaraya Technological University, Belagavi,
Approved by AICTE, New Delhi and Recognised by Government of Karnataka)
Bearys Knowledge Campus, Lands End, Boliyar village
Near Mangalore University, Mangalore, Karnataka - 574199

Mandatory Disclosure

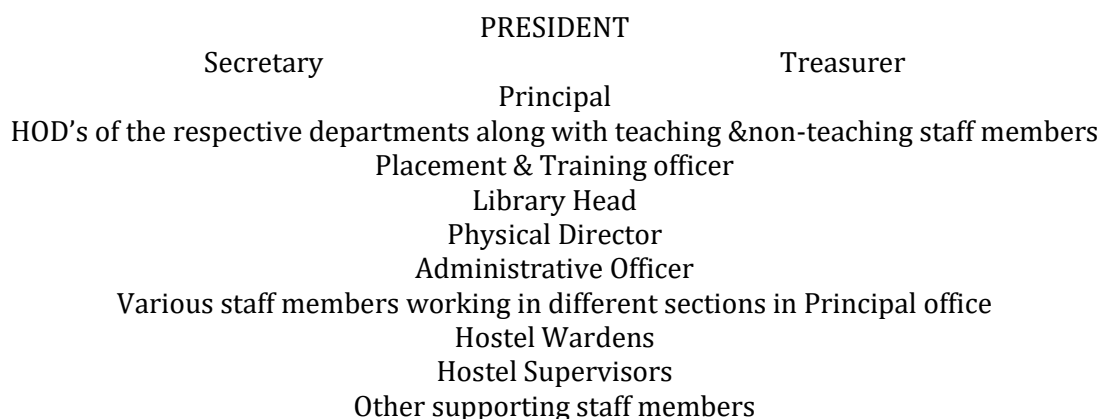
1.	Name of the Institution	Bearys Institute of Technology
	Address	Bearys Knowledge Campus Lands end, Innoli, Boliyar village, Mangalore - 574199 D.K, Karnataka
	Telephone No Mobile No E-Mail	0824-2235700/100 +91 7259773322 principal@bitmangalore.edu.in
2.	Name of the Trust Address	Bearys Academy of Learning Bearys Horizon, 21 wood street, Bangalore - 560025 Bangalore Urban, Karnataka
	Telephone No Mobile No E-Mail	080-22273124 +91 8025317777 education@bearysgroup.com
3.	Name of the Principal	Dr. S. I. Manjur Basha 4/9, N.G.G.O Colony, Coimbatore, Tamilnadu - 641022
	Telephone No Mobile No E-Mail	0824-2235700 +91 7259773322 principal@bitmangalore.edu.in
4.	Name of the affiliating University	Visvesvaraya Technological University, Belagavi (VTU)

5. Governance:

• <u>Members of the Board:</u>	
Name	Designation
Mr. Syed Mohammed Beary	Chairman
Mr. Mohidin Mazhar S Beary	Member
Mr. Abubakar Siddique Beary	Member
Mr. Mohammed Ashraf Beary	Member
Ms. Olivia	Member
• Frequently of the Board Meeting and Academic Advisory Body - YES	
• Organizational chart and processes - YES	
• Nature and Extent of involvement of Faculty and students in academic affairs/ improvements - YES	
• Mechanism/Norms and Procedure for democratic/good Governance - YES	
• Student Feedback on Institutional Governance/ Faulty performance - YES	

• Grievance Redressal mechanism for Faculty, staff and students - YES
• Establishment of Anti Ragging Committee - YES
• Establishment of Online Grievance Redressal Mechanism – YES
• Establishment of Grievance Redressal Committee in the Institution and Appointment of OMBUDSMAN by the University - YES
• Establishment of Internal Complaint Committee (ICC) - YES
• Establishment of Committee for SC/ ST - YES
• Internal Quality Assurance Cell - YES

Organizational chart:



6. Programmes:

• Name of Programmes approved by AICTE – ENGINEERING AND TECHNOLOGY
• Name of Programmes Accredited by NBA - In Progress
• Status of Accreditation of the Course – In Progress <ul style="list-style-type: none"> • Total number of UG Courses – 05 (Bachelor of Engineering) <ul style="list-style-type: none"> Mechanical Engineering Civil Engineering Electronics and Communications Engineering Computer Science and Engineering Artificial Intelligence and Data Science • UG Honors Program <ul style="list-style-type: none"> B. Sc. Honors • Total number of PG Courses – 02 <ul style="list-style-type: none"> M.Tech – Machine Design (Mechanical Engineering) M.Tech – Computer Science & Engineering • Research Programs <ul style="list-style-type: none"> Mathematics Physics Mechanical – Supersonic lab • No. of Courses for which applied for Accreditation – In Progress • Status of Accreditation - In Progress

- **Placement Facilities:**

A Seminar hall with full-fledged audio - visual facility and a seating capacity for 400 students is in place along with the following:

- Computers with high speed internet connectivity to support 200 students at a time.
- Separate rooms for written test, Group Discussion and Interviews.
- Cafeteria, Guest House, Logistics for Company officials.

- Campus placement in last three years with minimum salary, maximum salary & average salary:
2019-20: Ongoing - Highest Package – 4.5LPA & Lowest Package – 1.8LPA; Average Salary - 3LPA
2020-21: Highest Package – 10LPA & Lowest Package - 1.8LPA ; Average Salary – 6LPA
2021-22: Highest Package - 6LPA & Lowest Package – 1.8LPA ; Average Salary - 4LPA

Cut off Marks/Ranks:

During current year beginning – 15062

During current year Ending – 171707

7. Faculty:

S.N	Name of the Faculty	Qualification	Designation
Electronics and Communications Engineering			
1	Dr. S.I Manjur Basha	Ph.D	Principal
2	Dr. Abdullah Gubbi	Ph.D	Professor & HOD
3	Mrs. Mubeena Parveen Taj	M.Tech (Ph.D)	Assoc.Prof
4	Mr. Nithin	M.Tech	Asst.Prof
5	Mr. Abdul Jabbar H	M.Tech	Asst.Prof
6	Mrs. Rashmi A.V	M.Tech	Asst.Prof
7	Mrs. Srividya S	M.Tech	Asst. Prof
8	Mrs. Fathima Fameeza	M.Tech	Asst. Prof
9	Mrs. Nafeesath T.P.	M.Tech	Asst. Prof
Civil Engineering			
1	Mr. Zahir Ahmed	M.Tech (Ph.D)	Asst. Prof & HOD
2	Prof. Purusothama CT	M.Tech (Ph.D)	Professor
3	Mr. Bharath Gowda	M.Tech	Asst. Prof
4	Mr. Vijay H	M.Tech	Asst. Prof
5	Mr. Badruddin P.M.	M.Tech	Asst. Prof
6	Mr. Anjan Kumar M.U	M.Tech (Ph.D)	Asst. Prof
7	Mr. Mohd Minhajuddin	M.Tech	Asst. Prof
8	Mrs. Athira R Prasad	M.Tech	Asst. Prof
9	Mr. Altamashuddin Khan	M.Tech. Ph.D	Asst. Prof.
10	Ms. Shareefa R Nadaf	M.Tech (Ph.D)	Asst. Prof.
11	Mr. Abhijith Jain	M.Tech	Asst. Prof
12	Mrs. Afiya	M.Tech	Asst. Prof
Computer Science Engineering			
1	Mr. Afsar Baig M	M.Tech	Asst. Prof & HOD
2	Dr. B Aziz Musthafa	Ph.D	Professor
3	Mr. Jalaluddeen B.M.	ME	Asst. Prof

4	Ms. Arpana Shetty	M.Tech	Asst. Prof
5	Mr. Mohammed Sinan	M.Tech	Asst. Prof
6	Mrs. Akshatha S.A	M.Tech	Asst. Prof
7	Ms. Thameeza	M.Tech	Asst. Prof
8	Ms. Umme Najma	M.Tech	Asst. Prof
9	Ms. Nubila Jaleel	M.Tech	Asst. Prof
10	Mrs. Fathimath Kousar	M.Tech	Asst. Prof
11	Mrs. Geethalaxmi V R	M.Tech	Asst. Prof
12	Mr. Mohammed Hasan Zahir	M.Tech	Asst. Prof
Mechanical Engineering			
1	Dr. S.A Khan	Ph.D	Professor
2	Dr. Vasantha Kumar	Ph.D	Assoc. Prof & HOD
3	Mr. Aravind Kumar	M.Tech (Ph.D)	Asst. Prof
4	Mr. Manjunath Ichchangi	M.Tech (Ph.D)	Asst. Prof
5	Mr. Mohammed Kafeel Delvi	M.Tech (Ph.D)	Asst. Prof
6	Dr. Imran Mokashi	M.Tech, Ph.D	Asst. Prof
7	Mr. Vinod Kumar	M.Tech	Asst. Prof
8	Mr. Gokuldas M	M.Tech	Asst. Prof
9	Mr. Ridwan	M.Tech	Asst. Prof
10	Mr. Nithin B	M.Tech	Asst. Prof
11	Mr. Sudheer S Sajjan	M.Tech	Asst. Prof
12	Mr. Jathin K J	M.Tech	Asst. Prof
Basic Science			
1	Dr. Anjum Khan	MSc, Ph.D	Professor & HOD
2	Dr. Vinutha R.P	MSc, Ph.D	Assoc. Prof
3	Mr. Sharan Hegde	MSc	Asst. Prof
4	Mr. Imran U.A	MSc	Asst. Prof
5	Mr. Musthafa Khaleel	MSc	Asst. Prof
6	Ms. Shruthi	MSc	Asst. Prof
7	Mrs. Sowmya	MSc	Asst. Prof
8	Mr. Shaikh Ameer Basha	MSc. MEd	Asst. Prof
9	Mr. Basitali Reshamwale	MSc	Asst. Prof
Humanities			
1	Ms. Ashwini B	MBA	Lecturer
2	Mr. Safwan	MPED	Lecturer
3	Mr. Joyson Prakash Miranda	MA, B.Ed	Asst. Prof.

- Permanent Faculty : Student Ratio – 1:20

8. Profile of Principal:

First Name	Dr. S.I. ManjurBasha
Fathers Name	Mr. Sheik Ibrahim
Surname	Sheik Ibrahim
Date of Birth	05-06-1970
Address	4/9, N.G.G.O Colony, Coimbatore, Tamilnadu-641022
Village/Town City	Coimbatore
District	Coimbatore
Taluk	Coimbatore
PIN	641022
STD Code	0824
Land Line	2235700
Mobile No	+91 7259773322
Email ID	principal@bitmangalore.edu.in
PAN Number	AFDPM3133J
Adhaar Number	324982456688
PhD Stream	Engineering & Technology
PhD Course	Electrical Engineering
PhD University	Anna University
PhD Specialization	Electrical Engineering (Synchronous Machines)
PhD Year of Award	2012
PG Stream	Engineering & Technology
PG Course	Electrical & Electronics Engineering (Electrical Machines)
PG University	Bharathiar University
PG Year of Passing	1999
UG Stream	Engineering & Technology
UG Course/Branch/ Combination	Electrical & Electronics Engineering
UG University	Bharathiar University
Date of Joining the Institution	09-10-2019
Appointment type	Regular

EXPERIENCE DETAILS:

Teaching Experience as Lecturer / Sr. Lecturer	9 years
Asst. Professor	3 years
Teaching Experience as Professor	3 years, 9 months
Industrial Experience	6 years
Experience in Principal	9 years, 6 months
Total Experience	31 years, 3 months

PRINCIPAL PUBLICATION:

S.N.	PUBLICATION TYPE	TITLE	NUMBER OF PAGES	TYPE OF BOOK & AUTHORSHIP
1.	INTERNATIONAL LEVEL JOURNALS	A MEASUREMENT TECHNIQUE FOR DIRECT AXIS & QUADRATURE AXIS MAGNETIC CHARACTERISTICS IN A PROJECTED POLE SYNCHRONOUS MACHINE	10	MAIN AUTHOR
2.	INTERNATIONAL LEVEL JOURNALS	QUADRATURE AXIS FLUX MODELING IN PROJECTED POLE SYNCHRONOUS MACHINES USING REGRESSION TECHNIQUES AND ADAPTIVE NETWORK FUZZY INFERENCE SYSTEM	17	MAIN AUTHOR
3.	INTERNATIONAL LEVEL JOURNAL	INFORMATION SET BASED LOCAL DIRECTIONAL NUMBER FOR FACE RECOGNITION	07	CO-AUTHOR
4.	NATIONAL LEVEL JOURNALS	ADDITIONAL REVENUE REALIZATION TO THE UTILITY BY VAR COMPENSATION IN AGRICULTURAL PUMP SETS	13	CO-AUTHOR
5.	CONFERENCE PROCEEDING	EFFICIENCY ENHANCEMENT OF PV PANEL USING SOFT COMPUTING BASED SEEKER OPTIMIZATION ALGORITHM AND SEVEN LEVEL INVERTER CONFIGURATION	09	CO-AUTHOR
6.	CONFERENCE PROCEEDING	EFFICIENT OPERATION OF THREE PHASE INDUCTION MOTOR FOR ENERGY SAVINGS AT REDUCED VOLTAGE AND AT REDUCED LOAD CONDITIONS	11	MAIN AUTHOR
7.	CONFERENCE PROCEEDING	ESTIMATION OF QUADRATURE AXIS MAGNETIC CHARACTERISTICS OF SALIENT POLE SYNCHRONOUS MACHINES USING FUZZY LOGIC	10	MAIN AUTHOR

PRINCIPAL PAPER PRESENTATION:

Programme	Organized by	Level
A Measurement Technique for Direct Axis & Quadrature Axis Magnetic Characteristics in a Projected Pole (Stationary field type) Synchronous M	U.K	INTERNATIONAL
Quadrature Axis Flux Modeling in Projected Pole Synchronous Machines using Regression Techniques and Adaptive Network Fuzzy Inference System	U.K	INTERNATIONAL
Additional Revenue Realization to the Utility by VAR compensation in Agricultural pump sets	IEEMA	NATIONAL JOURNAL
Efficient operation of Three Phase Induction Motor for Energy Savings at Reduced Voltage and at Reduced Load Conditions	Kumaraguru College of Technology, Coimbatore and National University of Singapore	INTERNATIONAL CONFERENCE
Efficiency Enhancement of PV Panel using Soft Computing Based Seeker Optimization Algorithm and Seven Level Inverter Configuration	MIR Labs and Cochin University of Science and Technology (CUSAT), Kochi.	INTERNATIONAL CONFERENCE
Estimation of Quadrature Axis Magnetic Characteristics of Salient Pole Synchronous Machines using Fuzzy Logic	K.S.R. College of Engineering, Tiruchengode	INTERNATIONAL CONFERENCE
Information set based Local Directional Number for Face Recognition	Turkish	INTERNATIONAL

9. Fees:

- Details of Fee, as approved by state Fee Committee, for the Institution
 - 1) Civil - Rs. 90,060/-
 - 2) Mech - Rs. 90,060/-
 - 3) CSE - Rs. 90,060/-
 - 4) E&C - Rs. 90,060/-
- Time Schedule for payment of fee for the entire programme
 - 1) On or Before of 18th October of Respective A.Y.
 - 2) On or Before of 30th May of Respective A.Y.
- **No. of Fee waivers granted with amount and name of the Student:**

SI No	Name	Amount
1	Shabana Rajesab Vatharad	23000
2	Manjulla Halakatti	23000
3	Abdul Khader Mohammed Zidan	10500
4	Shaikh Ahmad Aman	11500
5	Manohar Kumar	3000
6	Fathimath Hamna	10500
7	Shaikh Muzammil Ahmed	11500
8	Madeeha Ruman	11500
9	Mahammad Mujeeb Bagawan	23000
10	Hafsa Taj Qureshi	10000
11	Tasmiya Banu	11500
12	Mohammed Arshad	11500
13	Muhammad Hisham	11500
14	Geetha P S	11500
15	Mohammed Saad	10000
16	Suma	11500
17	Aadil Nazeera Gundagi	23000
18	Namrata Shekarappa Tottar	23000
19	Fathima Taskeen	11500
20	Bibi Fathima	23000
21	Ayesha Saniya	23000
22	Mohammed Fayeem	11500
23	Nida Sadaf	11500
24	Priyanka Hosur	23000
25	Syed Nabeel Hussain	11500
26	Mushahdroza Jagiradar	23000
27	Zikra Fathima	11500
28	Jainulabdeen Lalsaheb Soldier	23000
29	Shobha Akhandappa Hadapad	23000
	Total	446500

- Total No. of Students offered by Institution through Talent Hunt Scholarship – 29 No's
- Criteria for Fee waivers/ Scholarship- On Merit Basis
- Estimated cost of Boarding and Lodging in Hostels- Rs.62,000/- per year

10. Admission:

- Number of seats sanctioned with the year of approval –**60 each**

Quota List

Total Intake of all the Courses: 300

Course	KEA(A)			COMED-K/KRLM(B)			Management C			Cat A+B+C			SNQ Admn
	Intake	Admn	Vacancy	Intake	Admn	Vacancy	Intake	Admn	Vacancy	Total Intake	Total Admn.	Vacancy	
<u>B.Tech</u>	40%			30%			30%			100%			
MECH	24	0	24	18	0	18	18	13	5	60	13	47	2
CIVIL	24	0	24	18	0	18	18	11	7	60	11	49	2
CSE	24	11	13	18	18	0	18	29	0	60	58	2	3
ECE	24	3	21	18	17	1	18	18	0	60	38	22	3
B.Sc Hons	60	0	0	0	0	0	0	0	0	0	0	0	0
<u>M.Tech</u>													
CSE	0			0			11			18	11	7	0
MECH	0			0			3			18	3	15	0

Category wise Admission to course for the year 2021-22

Course	GM	SC	2B
MECH Engineering	0	1	14
CIVIL Engineering	0	1	12
CS Engineering	2	1	58
E&C Engineering	3	3	35
Total	5	6	119

11. Admission Procedure:

<ul style="list-style-type: none"> • https://forms.gle/cy3XTNnEFt7DvBVz9 • Admission Test; BE – CET/COMED-K/ KRLMPCA/ • Number of seats allotted in CET – 24 • Number of seats allotted in Association conducted test – 106
<p>Calendar for admission against Management/vacant seats:</p> <ul style="list-style-type: none"> • Last date of request for applications – 20.05.2021, 20.07.2021, 20.09.2021 • Last date of submission of applications –25.05.2021, 25.07.2021, 25.09.2021 • Dates for announcing final results – 02.10.2021, 04.08.2021, 05.06.2021 • Release of admission list - 02.10.2021, 04.08.2021, 05.06.2021 • Last date for closing admission –31.12.2021 • Starting of the Academic session – Aug 2021 • The policy of refund of the fee, in case of withdrawal, shall be clearly notified – 31.12.2021

12. Criteria and Weightages for Admission:

- Eligibility: Candidates who have Passed Second PUC/12th standard:
 - (1) Passed Second PUC/12th standard/Equivalent with English as one of the Languages and obtained a minimum of 45% of marks in aggregate in Physics & Mathematics as a compulsory subject and anyone optional subject with Chemistry/Bio-Technology/Biology/Electronics/Computer and 40% in case of SC, ST, Category – 1, 2A, 2B, 3A and 3B category candidates of Karnataka only.
 - (2) Students, who have passed a qualifying examination other than the PUC II examination of the Pre-University Education Board of Karnataka, have to obtain eligibility certificate for seeking admission to B.E./B.Tech. Degree Programme from Visvesvaraya Technological University, Belagavi.
- **Criteria and Weightages for Admission through Lateral entry admission:**
 - (1) A candidate who has passed 3 years Engineering diploma examination or equivalent examination and obtained an aggregate minimum of 45% marks taken together in all the subjects of the final year diploma examination is eligible for admission to B.E./B.Tech. programmes, in respective branch of engineering (as notified by the Government of Karnataka for admission to 3rd semester/ 2nd year B.E./B.Tech.) and 40% of marks in qualified examination in case of SC, ST and Backward classes of Karnataka candidates.
 - (2) Those candidates who have completed Engineering Diploma from other than Karnataka state shall provide the Equivalence/ Eligibility Certificate issued from the Directorate of Technical Education, Karnataka.

15. **Information of Infrastructure and Other Resource Available:**

<ul style="list-style-type: none">• Number of Class Rooms – 29 No's (67sqm size of each)• Number of Tutorial rooms – 8 No's (33sqm size of each)• Number of Laboratories – 28 No's (67sqm size of each)• Number of Drawing Halls with capacity of 150sqm each• Number of Computers – 540 No's• Central Examination Facility - Available• Barrier Free Built Environment for disable and elderly persons – Yes, Available• Occupancy Certificate - YES• Fire and Safety Certificate - Applied• Hostel Facilities – Available
--

Library:

- Number of Title: 2920
- Number of Volumes: 24549
- Number of National Journals: 31

- E-Books:

	Titles	Volumes
UG	2736	24549
PG	55	222
Diploma	184	2211

- **Laboratory and Workshop:**

ELECTRONICS & COMMUNICATION ENGINEERING LAB

S.N	Name of laboratory	Carpet area(Sq.mt)	Major Equipment's	Total Investment till Date
1	Digital Lab	95	CROs, Trainer Kits, IC-Testers	Rs. 1,93,282/-
2	Analog Electronics Circuit Lab	70	CROs, Function Generators, Multimeters, Digital Oscilloscope	Rs. 4,97,011/-
3	DSP Lab	95	TMS320C6748 DSP Development Kit - Texas Instruments, Matlab, Personal Computers	Rs. 1,13,282/-
4	Micro Controller Lab	95	8051 MC kits , Personal Computers	Rs. 1,10,000/-
5	HDL Lab	95	FPGA Kits, Personal Computers	Rs. 1,81,500/-
6	Communication Lab	95	Fiber optic kit, Antenna Kits, Digital Kits	Rs. 1,63,282/-
7	VLSI Lab	95	Cadence Tool, Personal Computers	Rs. 6,50,000/-

CHEMISTRY LAB

S.N	Name of laboratory	Carpet area(Sq.mt)	Major Equipment's	Total Investment till Date
1	Chemistry lab	200	Electronic weight balance, Hot air oven, Conductivity meter, PH meter, potentiometer, Colori meter, Hot plate	Rs. 9,01,292/-

PHYSICS LAB

S.N	Name of laboratory	Carpet area(Sq.mt)	Major Equipment's	Total Investment till Date
1	Physics Lab	200	Black body radiator expt setup, Black box expt. setup, Capacitor charging and discharging expt setup, Firmi energy expt. setup, Newton's rings expt. setup, Magnetic field along the exis of a circular coil expt	Rs. 3,85,417/-

MECHANICAL ENGINEERING LAB

S. N	Name of laboratory	Carpet area(Sq.mt)	Major Equipment's	Total Investment till Date
1	DESIGN LABORATORY	200 Sq.m	Journal Bearing Apparatus	4,31,280.00
2			Principle Stresses & Strain	
3			Balancing of Rotating Masses	
4			Vibration Studies	
5			Whirling of Shaft Apparatus	
6			Universal Governor Apparatus	
7			Stress & Strain in a Curved Beam	
1	ENERGY CONVERSION LABORATORY	200 Sq.m	4-Stroke Single Cylinder Diesel Engine	14,34,018.00
2			Pensky Apparatus	
3			Cleveland's Apparatus	
4			Boys Gas Calorimeter	
5			Digital Bomb Colorimeter	
6			Redwood Viscometer	
7			Say bolt Viscometer	
8			2-Stroke Single Cylinder Petrol Engine	
9			Variable Compression Ratio Petrol Engine	
10			Port Opening Diagram of 2- Stroke Petrol Engine	
11			Mechanical Planimeter	
12			4- Stroke 3 Cylinder Petrol Engine	
13			Valve Timing Diagram of 4- Stroke Diesel Engine with Cut Section	
1	FLUID MECHANICS	200 Sq.m	Venturi meter Apparatus	4,59,317.00
2			Major losses in pipe flow Apparatus	
3			Minor losses in pipe flow Apparatus	
4			Calibration of Notches	
5			Impact of jet on vanes Apparatus	
6			Centrifugal pump test rig	
7			Reciprocating pump test rig	
8			Pelton wheel turbine	
9			Francis turbine	
10			Air blower	
1	FOUNDRY AND FORGING	200Sq.m	Gas Furnace	4,59,317.00
2			Sieve Shaker	
3			Universal Strength Machine	
4			Permeability Meter	
5			Mould Hardness Tester	
6			Core Hardness Tester	
7			Clay Washer	
8			Sand Rammer	
9			Specimen Degree Temperature Indicator	
1	HEAT TRANSFER	100Sq.m	Thermal Conductivity of Metal Rod	3,56,162.00
2			Heat Transfer Co-Efficient of Composite Wall	
3			Heat Transfer Through Pin- Fin	

4			Heat Transfer Through Natural Convection	
5			Heat Transfer Through Forced Connection	
6			Emissivity Measurement Apparatus	
7			Stefan Boltzmann Apparatus	
8			Parallel Flow And Counter Flow Heat Exchanger	
9			Transient Conduction Heat Transfer	
10			Vapour Compression Refrigeration Test Rig	
1	MACHINESHOP	200 Sq.m	Preci-Turnmaster-350Series All Geared Head Lathe	41,59,720.00
2			Universal Milling Machine (Semi-Automatic)	
3			Heavy Duty Shaping Machine	
4			Slotting Machine	
5			Surface Grinding Machine	
1	MATERIAL TESTING	200 Sq.m	Brinell And Rockwell Hardness Tester	9,13,925.00
2			Impact Tester Izod And Charpy	
3			Universal Testing Machine (60T)	
4			Fatigue Testing Machine	
5			Magnetic Crack Detector Machine	
6			Metallurgical Microscope	
1	MMM LAB	200 Sq.m	Calibration of pressure Gauge with transducers	7,82,225.00
2			Calibration of Thermocouple	
3			Calibration of LVDT	
4			Strain gauge	
5			Strip Gauge	
6			External Micrometer	
7			Tool Maker Microscope	
8			Sine bar	
9			Sine center	
10			Bevel Protector	
11			Auto- Collimator	
12			Lathe Tool Dynamo Meter	
13			Drill Tool Dynamo meter	
14			Mechanical Comparator	
15			Mechanical Comparator Dial Gauge	
16			Gear Tool Vernier Calipers	
17			Gear Tool Micrometer	
18			Monochromatic Light Source	
19			Optical Flats	
20			Surface Plates	
21			Dial Indicator (LC 0.001mm)	
22			Pitch Gauge (0.35mm) Screw Thread	
23			Magnetic Stand	
1	SUPER SONIC REASERCH LAB	200 Sq.m	ESS-NI-DAQ	4,31,280.00
2			LAB VIEW	
3			16SENSOR	
1	CAMA Lab/CIM Lab	100 Sq.m	26 Computers, 1 Projector	17,07,175.00/ 5,80,250.00
2	CEAD LAB	250 Sq.m	31 Computers, 1 Projector	22,62,030.00
Total				1,39,76,699.00

COMPUTER SCIENCE AND ENGINEERING LAB

S.N	Name of laboratory	Carpet area(Sq.mt)	Major Equipment's	Total Investment till Date
1	Data Structure Lab	70	DELL Computers, EPSON PLCXW57 Projector, Laser Printer	525024
2	Database Application	111	DELL Computers, Operating System, MICR, MS Visual Studio2010,Oracle Database 10g	770118
3	Design and Analysis of Algorithm	70	DELL Computers, OS for DELL Computers, MS Visual Studio 2010 Professional	514050
4	Digital Signal Processing	95	HP Computers CC Studio, DSP, Starter Kit, DSK Matlab Software	461664
5	Computer Graphics and Visualization	111	HP Computers and DELL Computers and Software	688368
6	Analog Logic Design and Digital Electronics	95	Trainer Kit, Patch cords, Oscilloscope, Power Supply unit	791985
7	Micro Processor Lab	95	Interfacing card, CRO's	791984
8	Computer Networking Lab	65	DELL Computers, IBM Server, D-Link, Manageable Switch, Alpha UPS15kv,3PH-1PH,UPS with Exide battery	1045402
9	SS and OS Lab	70	DELL Computers, OS for DELL Computers, Printer and Projector	598250
10	Unix Lab	70	DELL Computers, OS for DELL Computers	598250
11	Web Programming Lab	65	DELL Computers, OS for DELL Computers	797518
12	Mobile Application Development Lab	70	DELL Computers, EPSON EBE01 Projector	1929186
13	Machine Learning Lab	65	DELL Computers, IBM Server, D-Link, Manageable Switch, USP,Anaconda Navigator	1045402

CIVIL ENGINEERING LAB

S.N	Name of laboratory	Carpet area(Sq.mt)	Major Equipment's	Total Investment till Date
1	GEOTECHNICAL LAB	182	<ul style="list-style-type: none">• Tri-axial compression testing machine• Direct shear testing machine• Vane shear testing machine• CBR test• Relative density• Consolidation test• Swell test• Unconfined compression testing machine	Rs. 7,09,460/-
2	BASIC MATERIAL TESTING	182	<ul style="list-style-type: none">• Brinell and Rockwell hardness testing equipment• Impact testing machine• Universal testing machine	Rs. 6,94,983/-
3	SURVEYING PRACTICE LAB	6.75	<ul style="list-style-type: none">• Total station• Theodolite• Auto level• Dumpy level	Rs. 7,79,781/-
4	APPLIED ENGINEERING GEOLOGY LAB	40	<ul style="list-style-type: none">• Rock specimen• Mineral specimen	Rs. 2,14,749/-
5	FLUID MECHANICS LAB	182	<ul style="list-style-type: none">• Flow through pipes: Major losses and minor losses• Centrifugal pump• Venturi-meter• Impact of jet on vanes• Notch calibration set up• Pelton wheel• Francis turbine	Rs. 12,26,061/-
6	HIGH WAY AND CONCRETE LAB	182	<ul style="list-style-type: none">• Impact testing machine• Compression testing machine• Los Angeles abrasion testing machine• Ductility testing apparatus• Cement autoclave• Concrete mixer• Flexural testing machine	Rs. 12,60,186/-
7	ENVIRONMENTAL ENGINEERING LABORATORY	182	<ul style="list-style-type: none">• Digital conductivity meter• pH meter	Rs. 3,00,307/-

Computing Facilities:

• Internet Bandwidth – 104 mbps
• Number and configuration of System – Window 10
• Total number of system connected by LAN – 525 No's
• Total number of system connected by WAN – 15 No's
• Major software packages available – Windows, Ubuntu, MS Office 2010, Sophos antivirus, Cadence server
• Special purpose facilities – Google workstation for Education
• Facilities for conduct of classes in online mode – Zoom, Google meet

- Innovation Cell –**Available**
- Social Media Cell – **Available**
- Compliance of the National Academic Depository (NAD), applicable to PGCM/PGDM Institutions and University Departments - **YES**

• **List of facilities available:**

• Games and Sports Facilities: Football Cricket Throw ball Table Tennis Badminton Chess Carom Ludo Volley ball Basket ball
• Extra-Curricular Activities Red Cross NSS Cultural Activities
• Soft Skill Development Facilities - In Practice

• **Teaching Learning process:**

Internal Continuous evaluation System in place - **YES**

Student's assessment of Faculty, System in place –**YES**

- **Academic Calendar of the University**

Events	I semester B.E./B.Tech./	I semester B.Plan./B.Arch.	III semester B.E./B.Tech.
Commencement of ODD Semester	13.12.2021	13.12.2021	18.10.2021
Last Working day of ODD Semester	13.04.2022	13.04.2022	13.04.2022
Practical Examinations	18.04.2022 to 27.04.2022	18.04.2022 to 27.04.2022	16.04.2022 to 23.04.2022
Theory Examinations	28.04.2022 to 20.05.2022	28.04.2022 to 20.05.2022	25.04.2022 to 15.05.2022
Commencement of EVEN Semester	23.05.2022	23.05.2022	16.05.2022

- **For each Post Graduate Courses:**

<u>Title of Post Graduate Course</u>		
Sl.No	PG Program	Specialisation
1	M.Tech Mechanical	Machine Design
2	M.Tech CSE	Computer Science & Engineering

<u>Exclusive Laboratory Facilities to the PG Course</u>			
Sl.No	PG Program	Specialisation	Exclusive Laboratories for the PG Course
1	M.Tech Mechanical	Machine Design	Design Lab - 1
2	M.Tech CSE	Raspberry pi Ubuntu	IOT Lab

- **Special Purpose:**

DEPARTMENT: ELECTRONICS AND COMMUNICATION		
S.N	Name of the Lab	Software Available
1	DSP Lab	Matlab 6.5
2	HDL Lab	Xilinx 14.1
3	Analog Electronics Circuit Lab	Multisim 11.0
4	Micro Controller Lab	Keil 5.1
5	VLSI Lab	Cadence
6	Computer Communication Lab	Network Simulators 16.04,NAM_1.14_amd64.deb
DEPARTMENT: MECHANICAL ENGINEERING		
1	CAED LAB	Solid Edge 2021

2	CAMD LAB	Solid Edge 2021
3	CIM LAB	CNC Milling &Turning Cadem 6.1
4	CAMA LAB	ANSYS 15.0
DEPARTMENT: CIVIL ENGINEERING		
1	COMPUTER AIDED BUILDING PLANNING AND DRAWING	STAAD PRO, AUTOCAD, PRIMAVERA,MS PROJECT
2	SOFTEARE APPLICION LAB	
3	COMPUTER AIDED DETAILING OF STRUCTURES	
4		
DEPARTMENT: COMPUTER SCIENCE AND ENGINEERING		
1	Database Application	Oracle Database 10g Express Edition
2	Computer Graphics and Visualization	OpenGL(Ubuntu OS)
3	Analog Logic Design and Digital Electronics	Xilinx Software for HDL (9.1i) MultiSim Software for Simulation
4	Micro Processor Lab	Keil µVision 4
5	Computer Networking Lab	NS2 simulator, NetBeans 8.2(Ubuntu OS)
6	Web Programming Lab	Sublime 4 Text Editor XAMPP 8.1.4
7	Mobile Application Development Lab	Android Studio
8	Machine Learning Laboratory	Anaconda Navigator(Individual Edition)

16. List of Research Projects/Consultancy Works

1. Number of Project carried out, Funding Agency ,Grant Received

DEPARTMENT OF CIVIL ENGINEERING

Sl.No	KSCST SPONSORED PROJECT (Funding Agency- KSCST)	AMOUNT RECEIVED(Rs)
1	Experimental Study on Effect of Replacement of Natural Sand by Manufactured on the properties of concrete (Ref. No: 41S-BE-2571)" 41st Series of Student Project Programme, Karnataka State Council for Science and Technology at BIT, Mangalore, India.	7000
2	Design of Sewage Treatment Plant for the treatment of hostel wastewater at BearysInstitute of Technology (42S_BE_2294)	6500
3	Assessment of Green Bearys Arena by 6D Building Information Modeling compared with conventional method (43S_BE_4119)	5000
4	Partial replacement of waste coconut shell and demolished building waste as coarse and fine aggregate in construction-sustainable approach	6500

2. Research Publications

DEPARTMENT OF CIVIL ENGINEERING

1. Prof. Altamashuddin Khan

- a) Nadimalla, A., Masjuki, S. A., Saad, S. A., Ali, M., Husain, N. M., Azahar, W. N. A. W., & Kasim, N. (2021). Correlation Between Slump, {VeBe} and Compaction Factor of Concrete Containing Shredded {PET} Bottles, Manufactured Sand (Msand) and River Sand as Fine Aggregate. {IOP} Conference Series: Materials Science and Engineering, 1051(1), 12098.
<https://doi.org/10.1088/1757-899x/1051/1/012098>
- b) Nadimalla, Altamashuddinkhan, Masjuki, S. A., Saad, S. A., Othman, N. H. B., & Ali, M. (2020). The Recycled Polyethylene Terephthalate (PET) Bottles Waste as a Fine Aggregate Replacement in Concrete. TEST Engineering & Management, 1093, 1093–1096.
- c) Nadimalla, A., Masjuki, S. A., Saad, S. A., Ali, M., & Norhisham, S. (2020). The Relation of Compression Strength with Modulus of Rupture and UPV of Concrete Containing M-sand as Fine Aggregate. Advances in Science, Technology and Engineering Systems, 5(5), 39–46.
<https://doi.org/10.25046/aj050506>
- d) Nadimalla, A., Masjuki, S. A., Saad, S. A., Woen, E. L., Ali, S. M., & Ulla, N. (2020). The Impact of Manufactured Sand (M-Sand) as Partially and Fully Replacement of Fine Aggregate in Concrete. Advances in Science, Technology and Engineering Systems, 5(1), 302–306.
<https://doi.org/10.25046/aj050138>
- e) Nadimalla, A., Masjuki, S. A. B., Saad, A. B., Mohd Ismail, K. B., & Bt Ali, M. (2019). Polyethylene Terephthalate (PET) Bottles Waste as Fine Aggregate in Concrete. International Journal of Innovative Technology and Exploring Engineering, 8(6 Special Issue 4), 1177–1180.
<https://doi.org/10.35940/ijitee.F1243.0486S419>
- f) Nadimalla, A., Masjuki, S. A. B., Khan, S. A., & Akshatha, B. A. (2018). The Effect of Replacement of Natural Sand by Manufactured Sand on the Properties of the Concrete. 2018 IEEE 5th International Conference on Engineering Technologies and Applied Sciences, ICETAS 2018, 22–23. <https://doi.org/10.1109/ICETAS.2018.8629206>

Scopus Link: <https://www.scopus.com/authid/detail.uri?authorId=57207766980> Google

Scholar Link: <https://scholar.google.com/citations?hl=en&user=MrtXv9AAAAAJ>

2. Prof. Shareefa R Nadaf

1. Presented and published paper in the International Webinar on Recent Advances In Science and Technology Held On 18-19 July 2020 Department Of Chemistry Birla Institute Of Technology Ranchi India.
2. Presented Paper in National Level Technical Symposium ALCHEMIST-2020 Conducted On 16 June 2020, Department Of Chemical Engineering, KLE College of Engineering Belagavi, Karnataka, India.
3. Shareefa Nadaf, Prakash Kalburgi, Optimization of Fenton Process for The Degradation 1-Butyl-3 Methyl Imidazolium Chloride (BMIMCl) Using Response Surface Methodology” *Nature*

4. ShareefaNadaf, Prakash Kalburgi , A study on degradation of 1-Ethyl- 3- Methylimidazolium chloride and 1-Butyl-3 Methyl Imidazolium Chloride (BMIMCl) by fenton process and optimisation Using Response Surface Methodology” *Indian journal of environmental protection. (accepted) 2021.*

3. Prof. Purushothama CT

1. Purushothama.C.T^a , I. R. Mithanthaya^b, “Comparative Study of Conventional and Partial RCC Beams and Slabs for Flexural and Shear strength – A review”, *Turkish Journal of Computer and Mathematics Education* Vol.12 No.10(2021), 126-128
2. Purushothama.C.T^[1], Harshith H J^[2] “Stiffening of Earthquake Resistant Green Buildings “, © 2019 JETIR May 2019, Volume 6, Issue 5 www.jetir.org (ISSN-2349-5162)
3. Akshatha K S | Prof. Purushothama C.T, “Comparative study of static and dynamic analysis of regular and irregular structure by different types of analysis”, *IJSART - Volume 3 Issue 6 – JUNE 2017* ISSN [ONLINE]: 2395-1052
4. Purushothama. C. T ¹ , Dr. I. R. Mithanthaya², “Flexural and shear strength of partial RCC beams and slabs – A review”, *IJSART - Volume 2 Issue 6 –JUNE 2016* ISSN [ONLINE]: 2395-1052
5. Purushothama. C. T ¹ , Dr. I. R. Mithanthaya², “. Architectural problems in Earthquake resisting Structures”, *International Journal of Scientific & Engineering Research, Volume 7, Issue 6, June-2016*

4. Prof. Zaheer Ahmed

1. Zaheer Ahmed, Mohammed Rafeeq and MeftahHarai “Application of the Soft Computing with Impedance Based Techniques for Structural Health Monitoring of Civil Infrastructure: An Overview”

DEPARTMENT OF PHYSICS - In Journals

1. **Vinutha P R**, Jayarama A, Kaliprasad C S, Narayana Y, Byrappa K, Madan Kumar S and Suresh Kumar M R, Synthesis, Single Crystal Structure and Spectroscopic Aspects of Chalcone 2(2E)-1-(4'-bromobiphenyl-4-yl)-3-(2,3-dimethoxybenzaldehyde)prop-2-ene-1-one, *Chemical data collection* (Elsevier), 9–10 (2017) 208–219
2. **Vinutha P R**, Jayarama A, Kaliprasad C S, Narayana Y and Suresh Kumar M R, Synthesis, spectral characterization, optical and crystal structure studies of (2E) -1- (4' -bromobiphenyl -4- yl) -3- (2-methoxyphenyl) prop-2-en-1-one, *International Journal of Pure and applied physics*, Volume 13, Number 3 (2017), pp. 335-342
3. **Vinutha P R**, Jayarama A, Kaliprasad C S, Narayana Y and Suresh Kumar M R NLO and optical property of newly synthesized chalcone compound (2e) -1- (4'- bromobiphenyl -4- yl) -3- (3 -bromo -4-methoxyphenyl)prop-2-en-1-one, *International Journal of Physics and Applications*, Volume 9, Number 1 (2017), pp. 25-31.
4. Kaliprasad, C. S., **Vinutha, P.R.**, Narayana, Y., Natural radionuclides and radon exhalation rate in the soils of Cauvery River basin., *Air, Soil and water Research* (2017), <https://doi.org/10.1177/11786221177469>

5. Kaliprasad, C. S., **Vinutha P R**, Narayana, Y., Studies on the distribution of radionuclides and clay minerals in the soils of Cauvery river environs. *Journal of Radioanalytical and nuclear chemistry* (2018). DOI.org/10.1007/s10967-018-5825-1.
6. **Vinutha P R**, Jayarama A, Kaliprasad C S, Narayana Y and Suresh Kumar M R, Synthesis and spectral characterization of new chalcone single crystal, *Recent advances in materials science and biophysics*, volume 1, (2018), pp. 352-355.
7. **Vinutha P R**, Jayarama A, Kaliprasad C S, Narayana Y and Suresh Kumar M R, Nonlinear optical properties and X-ray diffraction studies on newly synthesized chalcone crystal. *Recent advances in materials science and biophysics*, volume 1, (2018), pp. 366-370.
8. Narayana Yerol, Sandesh Achari, **Vinutha P R**, Kaliprasad C S, Prafulla and Shrinidhi Kini . Radiological hazards from construction materials in the vicinity of thermal power station, *Journal of Emerging Technologies and Innovative Research (JETIR)*, 2019. www.jetir.org (ISSN-2349-5162)
9. **Vinutha P R**, Kaliprasad C S, Jayarama A and Narayana Y, Crystalline and optical properties of new synthesized chalcone compound (2E)-1-(4'-bromobiphenyl-4-yl)-3-(2,3-dichlorophenyl)prop-2-en-1-one, 2020, *Materials Today Proceedings*, Elsevier, <https://doi.org/10.1016/j.matpr.2020.03.156>.
10. Malleshi kavasara, **Vinutha P R**, Kaliprasad C S and Narayana Y, (2021) Studies on the dependence of natural radioactivity on clay minerals of soils in Davanagere district of Karnataka, India, *Journal of Radioanalytical and Nuclear Chemistry* (Accepted).
11. Malleshi kavasara, **Vinutha P R**, Kaliprasad C S and Narayana Y, (2021), Assessment of Effective Dose and Radiological Risk from Natural Radioactivity in Rock Samples of Davanagere District, Karnataka, India, *International Journal of Environmental Analytical Chemistry* (Accepted).
12. Sandesh Achari, **Vinutha P R**, Kaliprasad C S and Narayana Y, (2021) Evaluation of radiological hazards due to natural radionuclide in rocks and the dependence of radioactivity on the mineralogy of rocks in Udupi district on the south west coast of India, *Journal of Radioanalytical and Nuclear Chemistry* (Accepted).

DEPARTMENT OF MATHEMATICS

- Ismail, B. and **Anjum Khan** (2012). "Detection of jump and cusp using Haar wavelets in a regression function". *Journal of Wavelet Theory and Applications*, ISSN: 0973-6336, Vol 6, 2, pp 105-110.
- Ismail, B. and **Anjum Khan** (2011). Image de-noising with stationary wavelet transform. *Journal of Wavelet Theory and Applications*. ISSN: 0973-6336, Vol 5, 1, pp 9-14.
- Ismail, B. and **Anjum Khan** (2010). A new threshold value in curve estimation by wavelet shrinkage. *Proceedings of 10th Islamic Countries Conference on Statistical Science (ICCS-X)*, volume II, pp. 786--795.
- R. B. Jummannaver, I. Gutman, R. K. Mundewadi, "On Zagreb Indices and Coindices of Cluster Graphs" *Bull. Acad. Serbe Sci. Arts (Cl. Math. Natur.)*, (Preprint)
- H. S. Ramane, R. B. Jummannaver, S. Sedghi, Some degree based topological indices of generalized transformation graphs and of their complements, *International Journal of Pure and Applied Mathematics*, 109(3) (2016), 493 – 508. (Bulgaria) ISSN: 1311-8080 (Print) 1314-3395 (Online). doi: 10.12732/ijpam.v109i3.2

- H. S. Ramane, R. B. Jummannver, **Anjum Khan**, "Forgotten index of subdivision graph of some chemical structures" *Journal of Mathematical Nanoscience*.(Communicated).
- **Anjum Khan**, R. B. Jummannver, "Arithmetic-Geometric index of generalized transformation graphs", *Asian Journal of Mathematics and Computer Research*, 25(1) (2018), 1-7.
- Ismail, B. and **Anjum Khan** (2012). Image de-noising with a new threshold value using wavelets. *Journal of Data Science*. ISSN: 1683-8602, Vol 10, pp 259-270.
- S.C. Shiralashetti, H. S. Ramane, R.A. Mundewadi, R.B. Jummannver "A Comparative Study on Haar Wavelet and Hosaya Polynomial for the numerical solution of Fredholm integral equations", *Applied Mathematics and Nonlinear Science*, 3(2) (2018), 447 – 458. (Spain) ISSN: 2444-8656.
- **Anjum Khan**, Basit Ali Reshamwale, **Sharan Hegde**, **sowmya Ashwin Shetty**, "On RHF and Bernoulli Polynomial for the numerical solution of differential equations" *IJSEM*, *7,*(3), 2394. ISSN 2394-6849.
- **Sharan Hegde**, Anjum Khan, Vinay Prasad T, "First Redefined Zagreb index of generalized transformation graph" *IJSEM*, *7,*(3), 2394. ISSN 2394-6849
- Vinay Prasad, **Sharan Hegde**, Afshan Tarannum, "Second Redefined Zagreb index of generalized transformation graph" *IJSEM*, *7,*(2), 2022. ISSN 2394-6849.
- Ismail B. and **Anjum Khan**(2011). Image thresholding using discrete wavelet transform. *Presented at XXXI Annual Convention of Indian Society for Probabilities and Statistics(ISPS) and International Conference on Statistics, Probability and related areas*. CUSAT, Cochin. December 2011.
- Ismail, B. and **Anjum Khan**(2011)." Image denoising with a new threshold value using wavelets". *Presented at International Conference on Actuarial Statistics Biostatistics and Stochastic modeling*. Kannur University, Kannur. January 2011.
- Ismail, B. and **Anjum Khan**(2009). "A new threshold value in curve estimation by wavelet shrinkage". *Presented at ICCS-X, Tenth Islamic Conference on Statistical Science, Cairo, Egypt*, December 2009.
- **Anjum Khan** and R. B. Jummannver, (2019), "Forgotten topological index of subdivision graph of some chemical structures" *Presented at SURF*, Bearys Institute of Technology Innoli Mangalore.

Shaikh Ameer Basha

- PBIB-Designs and matrix form of association schemes arising from minimum Edge covering sets of some Circulant graphs.
- PBIB-Designs and association schemes arising from minimum Edge independence sets of some Circulant graphs.
- Gourava indices of some dendrimer structures, *Journal of Research Reviews*, 2018.
- Dierent Versions of Atom-Bond Connectivity Indices of Some Molecular Structures: Applied for the Treatment and Prevention of COVID-19, Polycyclic Aromatic Compounds,
- DOI: 10.1080/10406638.2021.1872655.
- PBIB-Designs and association schemes arising from minimum neighborhood sets of some Circulant graphs, *International J.Math. Combin.* Vol.1(2021), 1-10.

- PBIB-Designs and association schemes arising from minimum dominating sets of some Circulant graphs (Communicated).
- PBIB-Designs and association schemes arising from minimum covering and maximum
- Independence sets of some Circulant graphs (Communicated).
- Connected domination value in graphs (Communicated).
- Self-domination in graphs (Communicated).
- Generalized Schultz and Gutman indices in graphs (Communicated).

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Prof Mohammed Sinan	<ol style="list-style-type: none"> 1) Comparative analysis on network intrusion detection using Machine Learning. (SURF 2020) 2) Architecture of an IOT based system for cricket supervision (SURF 2019) JETIR May 2019 Vol 6
Prof Nubila Jaleel	<ol style="list-style-type: none"> 1) Security Analysis of LNMNT – lightweight crypto hash function for IOT. (IEEE Access Vol 19 PP 165754-165765) 2) Performance evaluation of light weight crypto function for IOT application. (JAR DCS Vol 12 Issue 02 PP 800-808) 3) IOT lightweight crypto functions (ijTM) Vol 13 PP 117-129 <p>CONFERENCE: LNMNT new Mersenne Number based light weight crypto hash function for IOT (IEEE, 2021) Page no 68-71</p>

DEPARTMENT OF MECHANICAL ENGINEERING

RESEARCH PAPERS PUBLISHED BY FACULTY IN JOURNALS

S.N	Name of the Faculty	Title of Paper	Publication citation	National or International Journal	Remarks
1	Dr. Vasantha Kumar	Zirconia: as a biocompatible biomaterial used in Dental implants	Advances in Applied Ceramics, Dec 2020, pp 1-7	International	Published
		Effect of Mechanical Properties on Multi Axially Forged LM4 Aluminium Alloy	Materials Today Proceedings, Vol 24, May 2020, pp 1462-1467	International	Published
		Design and Fabrication of Solar Operated Vegetable Cart	International Journal of Engineering Research in Mechanical Engineering & Civil Engineering, Vol 8, Nov 2021, pp 58-62	International	Published
2	Prof. Arvind Kumar	Active control behavior on the flow pattern in a circular duct	Active control behavior on the flow pattern in a circular duct, ISSN 22147853 10 November 2021	International	Published
		Impact of microjets on the flow of a duct	Materials Today: Proceedings ISSN 22147853 25 September 2021	International	Published
3	Dr. Imran Mokashi	Maximum temperature analysis in a Li-ion battery pack cooled by different fluids	Journal of Thermal Analysis and Calorimetry, Vol 141, Issue 6, July 2020, pp 2555-2571	International	Published
		Optimization and analysis of maximum temperature in a battery pack affected by low to high Prandtl number coolants using response surface methodology and particle swarm optimization algorithm	An International Journal of Computation and Methodology Vol 79, Issue 5, Nov 2020, pp 406-435	International	Published
		Nusselt number analysis from a battery pack cooled by different fluids and multiple back-propagation modelling using feed-forward networks	International Journal of Thermal Sciences Volume 161, Nov 2020, 106738	International	Published
		Impact of micro jets on the flow of a duct	Materials Today: Proceedings ISSN 22147853 25 September 2021	International	Published
		Biodiesel Production Using Modified Direct Transesterification by Sequential Use of Acid-Base Catalysis and Performance Evaluation of	Sustainability Volume13, Issue17 Pages9731, 30 August 2021	International	Published

		Diesel Engine Using Various Blends			
		Adsorption Method for the Remediation of Brilliant Green Dye Using Halloysite Nanotube: Isotherm, Kinetic and Modeling Studies	Applied Sciences Volume 11, Issue 17 Pages 8088, 31 August 2021	International	Published
		Performance of Common Rail Direct Injection (CRDi) Engine Using CeibaPentandra Biodiesel and Hydrogen Fuel Combination	Energies Volume 14, Issue 21, Pages 7142, 1 November 2021	International	Published
		Active control behavior on the flow pattern in a circular duct	Materials Today: Proceedings ISSN 22147853 10 November 2021	International	Published
4	Prof. Mohamed Kafeel Delvi	Analyses of Influence of Wear Parameter for Results Conducted for Al7039 Reinforced MoS2 Metal Matrix Composite Using Taguchi's Method.	Journal of Industrial Mechanics, 5, 1, Apr 2020, 26-30	International	Published
		Hardness Examination of ZA 27/MoS2 Hybrid metal matrix composite using Vicker and Brinell hardness test	Turkish Journal of Computer and Mathematics Education Vol.12 No.10 March 2021 , 1519-1523	International	Published
		Dry Sliding Wear Behaviour of ZA27/ MoS2 Metal Matrix Composite	Advances in Science, Technology and Engineering Systems Journal Vol. 6, No. 3, 263-270 March 2021	International	Published
		Sliding Wear Behaviour of Al 7039/MoS2 Metal Matrix Composite	International Journal of Science, Technology, Engineering and Management-A VTU Publication Vol: 3, No:1, pp: 8-14, March 2021	International	Published
5	Prof. Vinod Kumar	Design Modeling and analysis of Helical Gear using FEA for various materials	International Journal of Engineering Research and Applications, Vol 10, Issue 3, March 2020	International	Published

3. MoUs with Industries

1. RED HAT Academy
2. AI ROBOSOFT, Bangalore
3. ZEPHYR
4. Princeton smart Engineers, Bangalore
5. Blueline Computers, Mangalore
6. Slekin Technical Solutions, Mangalore
7. Construction Management Training Institute (CMTI), Bengaluru
8. CONSTRUTECH, Mangalore
9. F A Associates Mangalore

Best Practices Adopted:

A **best practice** is a method that has consistently shown good results and is used to maintain best quality, further that is used as a benchmark.

The best practices adopted are listed below:

- Develop realistic expectations
- Observe the practice adopted
- Analyze the results

VISION:

“To be a world class Engineering Institution that nurtures leaders in every field of technology and to groom knowledgeable men and women who can significantly contribute to a progressive, peaceful and greener world”.

MISSION:

“Identify and encourage needy students to perform their full potential. Impart quality technical education to our students in order to develop the best technocrats of global competence. Instill high standards of discipline and ethics through our dedicated faculty”.

INSTITUTIONAL GOALS:

Academic Excellence: Train students to become academically and professionally competent in their respective fields.

Steps taken to introduce learner centric programme.

- Semester based system enables more focus from teacher centric to learner-centric education, since the work load estimated is based on the investment of time in learning.
- It also focuses on continuous evaluation which will enhance the quality of education.
- To prepare learner with very good foundation in Mathematical, Scientific and in engineering fundamentals.
- To prepare learner to use modern tools effectively in order to solve the real life problems.
- To prepare the learner for their successful career and to excel in their discipline.
- To encourage and motivate the learner in the art of self-learning.
- To inculcate professional and ethical attitude, good leadership qualities.

How do you assess the student knowledge needs & skills?

- The ability to learn and grow within the organization.
- The ability to communicate proficiently.
- The ability to successfully interact with others.
- The assessments that are essential for improving student learning, and at the same time provide data for ePortfolios offer an in-depth, long-term view of student achievement on a range of skills and abilities.
- Evaluate student by way of writing and depth of learning has been combined with faculty learning and team assessments, and is now being used at multiple institutions.

What are the mechanism adopted for self-appraisal of Faculty?

- Quality of Classroom teaching with modern teaching aids with real life examples.
- We have a system to collect the feedback of the students at regular intervals and the report will be made available to the respective faculty.
- Based on the Research Contribution of the faculty members.
- Based on the Extension Activities of the faculty members and Self-review & development.

Faculty Appraisal System:

Faculty appraisal can start with a self-assessment form which is rigorously reviewed by the HOD, Deans, Faculty Committee, etc. It can usefully include student evaluations.

What are the measures taken in the last three years related to quality aspects?

Institution has constituted Quality Assurance Committee:

- a) Ensuring timely, efficient and progressive performance of academic, administrative and financial tasks;
- b) The relevance and quality of academic and research programmes;
- c) Optimization and integration of modern methods of teaching and learning;
- d) The credibility of evaluation procedures;
- e) Sharing of research findings and networking with other institutions.

Some of the functions of QAC are:

- a) Development and application of quality benchmarks/parameters for various academic and administrative activities of the institution;
- b) Arrangement for feedback response from students.
- c) Organization of inter and intra institutional workshops & seminars.
- e) Documentation of the various programmes/activities leading to quality improvement;
- f) Development of Quality Culture in the institution;

How does the college promote interest and participation of students in research activities through its academic programs?

We do involve the final students to take up research oriented projects and also we encourage the students of pre-final and final year students to undergo internship programme during their vacation period in reputed industries, in addition to this programme we take the students to visit various types of industries to expose them to the practical applications. We encourage and prepare the students to present papers in National and International Conferences, further we stress them to submit good quality papers to publish in reputed journals.

Student support and progression

Department faculty members are involved in covering the defined University syllabus, apart from discharging regular responsibility; the department is encouraging students to prepare good papers in thrust area and on recent trends and preparing them to present papers in reputed conferences. All the students are

responding with good spirit and energy to participate in whatever the new system is introduced by the respective departments, this has enhanced their various skills and confidence level, further this has reflected in establishing molding the students as a complete engineer in all respects, so that they will become industry ready after completing engineering programme, also helps reaching good University results.

Mechanism developed to get feedback from students. Provide feedback analysis and action taken.

We have a mechanism to draw the students feedback at regular intervals in order to analyze the strengths & weakness of a faculty members, further the facts is discussed in the department meetings, suggestions will be given to such faculty member to adopt new concept / to change the methodology or line of teaching to reach the expectations of the students.

Do you have Alumni Association in your college? If yes, frequency of interactions and nature of feedback support.

YES,

Alumni Association meeting is held once in six months, alumni are invited to interact with current students on new technologies adopted by the industry and to bring an awareness about what industry is expecting from young minds. Alumni are actively involved in assisting for training the students on soft skills, in placement activities and also to get internship for students in various industries.

What measures has your college taken in the last three years to translate quality to its various administrative and academic units? (IQAC, Academic Audit Cell, etc.)

Our Institution has constituted Quality Assurance Committee: The main purpose of establishing IQAC in order to support the following:

- a) Ensuring timely, efficient and progressive performance of academic, administrative and financial tasks;
- b) The relevance and quality of academic and research programmes;
- c) Optimization and integration of modern methods of teaching and learning;
- d) The credibility of evaluation procedures;
- e) Sharing of research findings and networking with other institutions.

What mechanisms have been developed by your college for Quality Assurance within the existing Academic and Administrative Units?

Some of the functions of QAC are:

- a) Development and application of quality benchmarks/parameters for various academic and administrative activities of the institution;
- b) Arrangement for feedback response from students.
- c) Organization of inter and intra institutional workshops & seminars.
- e) Documentation of the various programmes/activities leading to quality improvement;
- f) Development of Quality Culture in the institution.

What initiatives have been taken by your college to promote Best Practices? How does your college ensure that the Best Practices have been internalized? Specify the results, if any.

A best practice is a method that has consistently shown good results and is used to maintain best quality, further that is used as a benchmark.

The best practices adopted are listed below:

- Develop realistic expectations
- Observe the practice adopted
- Analyze the results

The best practice adopted has shown good result

What intervention strategies have your college adopted to promote the overall development of student's form disadvantaged sections? Please provide their incremental growth in the last three years.

Efforts are being made by the departments to help students deal with specific academic weaknesses. Adopting innovative teaching practices in the classroom – of which many examples are given in the next section, and be focused on the weak students and also attention is paid to all other students.

We are offering remedial classes either during the semester (say, in the evenings, on weekends).

Another approach is to provide extra inputs in more innovative ways, such as:

- Tutorial classes where additional problems are solved and students interact with faculty member.
- Participation of such students in the classroom is encouraged because it engages students more, builds their confidence, and helps clear their doubts. The results are quite encouraging in the last three years.

Is there any internal mechanism for analyzing student feedback on the performance of the college to arrive at student satisfaction index? Please provide the supporting documents for the previous academic year.

We have an internal mechanism to draw the students feedback at regular intervals in order to analyze the strengths & weakness of a faculty members, further the facts is discussed in the department meetings, if required suggestions will be given personally, in order to change the methodology or line of teaching to reach the expectations of the students and to keep the satisfaction index of the students at higher level.

A committee comprising principal, HOD's and all senior faculty members is formulated to ensure the active participation of faculty members to produce quality research papers to present in international conferences and to publish in reputed journals. The committee also encourages junior faculty members to register for the Ph.D. program in reputed universities.



APPROVAL PROCESS 2022-23

Extension of Approval (EOA)

F.No. South-West/1-10973660883/2022/EOA

Date: 03-Jul-2022

To,

The Principal Secretary (Hr. & Tech Education)
 Govt. of Karnataka, K. G.S., 6th Floor,
 M.S. Building, R. N. 645, Dr. B. R. Ambedkar Road,
 Bangalore-560001

Sub: Extension of Approval for the Academic Year 2022-23

Ref: Application of the Institution for Extension of Approval for the Academic Year 2022-23

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations, 2022 Notified on 4th February, 2022 and amended on 24th February 2022 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Permanent Id	1-3818113	Application Id	1-10973660883
Name of the Institution	BEARYS INSTITUTE OF TECHNOLOGY	Name of the Society/Trust	BEARYS ACADEMY OF LEARNING
Institution Address	LANDS END, INNOLI, BOLIYAR VILLAGE NEAR MANGALORE UNIVERSITY MANGALORE-574 153, MANGALORE, DAKSHINA KANNADA, Karnataka, 574153	Society/Trust Address	BEARYS HORIZON, 21 WOOD STREET, BANGALORE-560025, BANGALORE, BANGALORE URBAN, Karnataka, 560025
Institution Type	Private-Self Financing	Region	South-West
Year of Establishment	2009		

To conduct following Courses with the Intake indicated below for the Academic Year 2022-23

Level	Program	Course	Affiliating Body (University /Body)	Intake Approved for 2021-22	Intake Approved for 2022-23	NRI Approval Status	FN / Gulf quota/ OCI/ Approval Status
DIPLOMA	ENGINEERING AND TECHNOLOGY	CIVIL ENGINEERING	Department of Technical Education, Bangalore	60	60	NA	NA
DIPLOMA	ENGINEERING AND TECHNOLOGY	MECHANICAL ENGINEERING	Department of Technical Education, Bangalore	60	60	NA	NA
UNDER GRADUATE	ENGINEERING AND TECHNOLOGY	ARTIFICIAL INTELLIGENCE (AI) AND DATA SCIENCE	Visvesvaraya Technological University, Belgaum	0	60##	NA	NA

Level	Program	Course	Affiliating Body (University /Body)	Intake Approved for 2021-22	Intake Approved for 2022-23	NRI Approval Status	FN / Gulf quota/ OCI/ Approval Status
UNDER GRADUATE	ENGINEERING AND TECHNOLOGY	CIVIL ENGINEERING	Visvesvaraya Technological University, Belgaum	60	60	NA	NA
UNDER GRADUATE	ENGINEERING AND TECHNOLOGY	COMPUTER SCIENCE AND ENGINEERING	Visvesvaraya Technological University, Belgaum	60	60	NA	NA
UNDER GRADUATE	ENGINEERING AND TECHNOLOGY	ELECTRONICS AND COMMUNICATIONS ENGINEERING	Visvesvaraya Technological University, Belgaum	60	60	NA	NA
UNDER GRADUATE	ENGINEERING AND TECHNOLOGY	MECHANICAL ENGINEERING	Visvesvaraya Technological University, Belgaum	60	60	NA	NA
POST GRADUATE	ENGINEERING AND TECHNOLOGY	MACHINE DESIGN	Visvesvaraya Technological University, Belgaum	9	9	NA	NA
POST GRADUATE	ENGINEERING AND TECHNOLOGY	COMPUTER SCIENCE & ENGINEERING	Visvesvaraya Technological University, Belgaum	18	18	NA	NA

Approved New Course(s)

It is mandatory to comply with all the essential requirements as given in APH 2022-23 (Appendix 6)

The Institution/ University is having the following deficiencies as per the online application submitted to AICTE and the same shall be complied within Six Months from the date of issue of this EoA

Deficiencies Noted based on Self Disclosure	
Particulars	Deficiency
1. Land Area Details	
Total Area of Land	Yes

*Please refer Deficiency Report for details

Important Instructions

1. The State Government/ UT/ Directorate of Technical Education/ Directorate of Medical Education shall ensure that 10% of reservation for Economically Weaker Section (EWS) as per the reservation policy for admission, operational from the Academic year 2019-20 is implemented without affecting the reservation percentages of SC/ ST/ OBC (NCL)/ General. However, this would not be applicable in the case of Minority Institutions referred to the Clause (1) of Article 30 of Constitution of India. Such Institution shall be permitted to increase in annual permitted strength over a maximum period of two years.
2. The Institution offering courses earlier in the Regular Shift, First Shift, Second Shift/Part Time are now amalgamated as total intake and shall have to fulfil all facilities such as Infrastructure, Faculty and other requirements as per the norms specified in the Approval Process Handbook 2022-23 for the Total Approved Intake. Further, the Institutions Deemed to be Universities/ Institutions having Accreditation/ Autonomy status shall have to maintain the Faculty: Student ratio as specified in the Approval Process Handbook. All such Institutions/ Universities shall have to create the necessary Faculty, Infrastructure and other facilities WITHIN 2 YEARS to fulfil the norms based on the Affidavit submitted to AICTE beginning with the Academic Year 2022-23
3. Strict compliance of Anti-Ragging Regulation, Establishment of Committee for SC/ ST, Establishment of Internal Complaint Committee (ICC), Establishment of Online Grievance Redressal Mechanism, Barrier Free Built Environment for disabled and elderly persons, Fire and Safety Certificate should be maintained as Approval Process Handbook and provisions made in AICTE Regulation notified from time to time.
4. In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Pharmacy Institute: In compliance with the order dated 05.03.2020 passed by the Hon'ble Supreme Court of India in Transferred Petitions (CIVIL) No 87-101 of 2014, for the existing institutions offering courses in Pharmacy Programme, approval of Pharmacy Council of India (PCI) is mandatory and AICTE approval is NOT required. The requirements for running the Programme (Diploma / UG / PG) such as Land & Build-up Area, Student-faculty ratio, Intake etc. will be as per the respective regulatory body (PCI). In case of any inconsistency in the course name and intake for EoA issued by AICTE and the approval by PCI, the approval of PCI shall prevail.

Architecture Institute: In compliance with the order dated 08.11.2019 passed by the Hon'ble Supreme Court of Indian CA No.364/ 2005, for the existing Institutions offering Courses in Architecture Programme, approval by the Council of Architecture (CoA) is mandatory and AICTE approval is NOT required. The requirements for running the Programme (Diploma / UG / PG) such as Land & Build-up Area, Student-faculty ratio, Intake etc. will be as per respective regulatory body (CoA). In case of any inconsistency in the course name and intake for EoA issued by AICTE and the approval by CoA, the approval of CoA shall prevail.

Deemed to be University: Institutions Deemed to be Universities (Running Technical Education Programmes), it is mandatory to have AICTE approval from the Academic Year 2018-19 in compliance of the Hon'ble Supreme Court Order dated 03-11-2017 passed in CA No.17869- 17870 /2017.

**Prof.Rajive Kumar
Member Secretary, AICTE**

Copy to:

1. **The Director Of Technical Education****, Karnataka
2. **The Registrar****,
Department Of Technical Education, Bangalore
3. **The Principal / Director**,
BEARYS INSTITUTE OF TECHNOLOGY
Lands End, Innoli,Boliyar Village
Near Mangalore University
Mangalore-574 153,
Mangalore,Dakshina Kannada,
Karnataka,574153
4. **The Secretary / Chairman**,
BEARYS HORIZON,21 WOOD STREET,BANGALORE-560025
BANGALORE,BANGALORE URBAN
Karnataka,560025

5. **The Regional Officer,**
All India Council for Technical Education
Health Centre Building
Bangalore University Campus
Bangalore - 560 009, Karnataka

6. **Guard File(AICTE)**

Note: Validity of the Course details may be verified at <http://www.aicte-india.org/>

** Individual Approval letter copy will not be communicated through Post/Email. However, consolidated list of Approved Institutions(bulk) will be shared through official Email Address to the concerned Authorities mentioned above.

This is a computer generated Statement. No signature Required



Visvesvaraya Technological University

Jnana Sangama", Belagavi-590 018, Karnataka State

Registrar

Phone: (0831) 2498100

Fax: (0831) 2405467

Ref. VTU/ACA-LIC/2021-22/SO/ 2915/3

Date: _____

21 DEC 2021

AFFILIATION NOTIFICATION

Sub: Continuation/Extension of Affiliation for the Academic Year 2021-22

Ref:

1. Executive Council Resolution No. 2.1.1 of 160th Meeting dated 05-08-2021.
2. Vice Chancellor's order dated 05-08-2021

In Exercise of the powers conferred to the University vide Section 40(9) of Visvesvaraya Technological University Act 1994, your college is granted Continuation / Extension of Affiliation for the Academic Year 2021-22 to offer the following Courses. This permission is subject to the fulfillment of the conditions stipulated by the LIC Committee (refer Annexure A). You are required to comply with the same prior to 15-12-2021.

Courses

Course	Year of Starting	Shift	Present Intake	Proposed Intake	VTU Intake	VTU Recommendation	Applicable From	Applicable To
Computer Science and Engineering - PG	2015	First	18	18	18	TA	2021-22	2021-22
Machine Design - PG	2015	First	18	18	18	TA	2021-22	2021-22
Civil engineering - UG	2009	First	60	60	60	TA	2021-22	2021-22
Computer Science & Engineering - UG	2009	First	60	60	60	TA	2021-22	2021-22
Electronics & Communication Engineering - UG	2009	First	60	60	60	TA	2021-22	2021-22
Mechanical Engineering - UG	2010	First	60	60	60	TA	2021-22	2021-22

NOTE:

1. All the courses for which government notification is not obtained either for starting of a new course or for permanent affiliation, this notification is subject to the approval of State Government of Karnataka. If already obtained, send a copy to the University.
2. TA- Temporary Affiliation, PA/PR - Permanent Affiliation

Further, the college is also informed to follow any other Notification/Circular/Norms Issued by AICTE / UGC / State Government / VTU in this regard.

It may also be noted that, the continuation/extension of the affiliation is subject to the approval from AICTE and Higher Education Department, Government of Karnataka.

REGISTRAR

Encl: Annexure A