



OCTOBER
2022

GMIT's **REFLECTION**

E-News Letter

Volume -3
Issue-10



G M INSTITUTE OF TECHNOLOGY

Post Box No. 4, P.B. Road,
Davangere, Karnataka-577 006.

www.gmit.ac.in

DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

Summer Internship – 1 for 2nd Semester students, from 11/10/2022 to 30/10/2022



Ms. Mukta Pujar Asst. professor of AIML attended 5 days of ICT Academy sponsored FDP held in BIET davanagere. FDP on :”Microsoft power BI data analyst” during 10th oct to 14th oct of 2022.

Mrs. Kavyashree B L Asst. professor of AIML attended 5 days of AICTE FDP held in RV college of engineering Bangalore. FDP on : “Accreditation process NBA with a focus on active learning” from 17th oct to 21th oct of 2022.



5th semester AIML department students got placed for SLK Software, Bangalore



Sri Krishna Devarayudu



Shrigowri Kulkarni



Sneha Jain



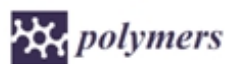
R Mohammed Shihaab

DEPARTMENT OF BASIC SCIENCE



1. DST-STUTI Participation

Dr. Swaroop K, Assistant Professor, Dept. of Physics has attended DST-STUTI training program as a Resource Person organized by the Centre for Application of Radioisotopes and Radiation Technology (CARRT) of Mangalore University, Mangalore in collaboration with JSS Academy of Higher Education and Research (JSS AHER), Mysore on 10.10.2022 to 16.10.2022 and delivered two special lecture entitled "14C Urea Breath Test as a diagnostic tool in Helicobacter pylori infection" and "Gamma Radiation Assisted Synthesis of Hydrogels and its Applications".



Article

A Facile Synthesis of Cellulose Nanofibers from Corn Cob and Rice Straw by Acid Hydrolysis Method

Madhuri Rajanna¹, Latha Muglihalli Shivashankar², Onkarappa Honnebagi Shivamurthy¹, Shwetha Uramundina Ramachandrapa¹, Virupaxappa Shekarappa Betageri^{1,*}, Chandan Shivamallu³, Raghavendra Hallur Lakshmana Shetty⁴, Saurabh Kumar⁵, Raghavendra G. Amachawadi^{6,*} and Shiva Prasad Kollur^{7,*}

2. Paper publication

Dr. Onkarappa H. S., Assistance Professor, and Head, Dept. of Chemistry, has published a paper entitled "A Facile Synthesis of Cellulose Nanofibers Corn and Rice Straw by Acid Hydrolysis Method" in the Scopus-indexed journal "polymers" (MDPI) with impact factor (IF) 4.8.



3. FDP Participation

Ms. Mamatha S R, Asst. Professor, Dept. of Mathematics, attended 5 days Faculty Development Program on NBA & Accreditation Process with a focus on Active learning methods from 17 - 21 October 2022 (OFFLINE MODE) held at RVCE Bangalore.

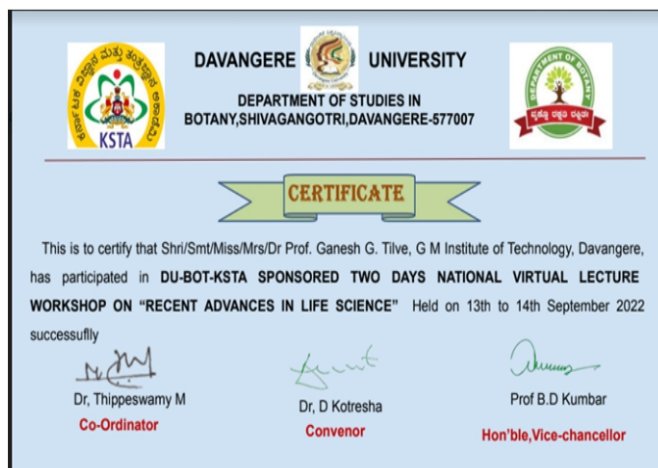
DEPARTMENT OF BIOTECHNOLOGY

FACULTY ACHIEVEMENTS:

Mr. Ganesh G. Tilve

Assistant Professor

1. Attended **DU-BOT-KSTA** sponsored two days national virtual lecture workshop on “**Recent Advances in Life Science**” held on 13th and 14th September, 2022 organised by Department of Studies in Botany, Davangere University, Davangere
1. Attended **National Webinar** on “**Cardiovascular Diseases and Diet**” organised by Health and Hygiene Committee and Enabling Unit, Maitreyi College (University of Delhi) on 15th October, 2022
1. Attended in **virtual seminar** on “**Molecular perspective SARS- CoV-2, Drug targets, Drug Designing and Research**” organised by Department of Pharmaceutical Technology, Paavai Engineering College on 22.09.2022



Dr. Pavan K J
Assistant Professor



BOS Meeting:

Dr. Pavan K. J, Assistant Professor, Department of Biotechnology, attended the BOS meeting on 7th October 2022 at **KLE's RLS Science Institute**, Belagavi to design NEP Syllabi for 3rd and 4th semester Biotechnology.



DEPARTMENT OF CIVIL ENGINEERING



Department of Civil Engineering organized site visit to GM Sugars and Energy Ltd., for 7th semester students on 11th October 2022 accompanied by Associate Professor Dr. Kiran Kumar H S, Assistant Professors Mr. Punith C G and Dr. Hanumesh B M.



Inauguration of 3 week Inter/Intra Institutional Internship and technical talk for 3rd semester students was organized by Department of Civil Engineering on 12th October 2022. Chief guest of the function was Mr. G B Suresh Kumar, Consulting Civil Engineer., Presided by our beloved Principal Dr. Y Vijaya Kumar, Head of the Department Dr. Y B Bharatharaj Etigi, Training and Placement Officer Mr. Tejaswi Kattimani were present.



Department of Civil Engineering organized industrial visit to Brick Manufacturing industry, Harihara, for 3rd semester students on 14th October 2022 accompanied by Associate Professor Dr. Kiran Kumar H S, Assistant Professors Mr. Punith C G and Mr. Swamy L V.

CERTIFICATE

PROUDLY PRESENTED TO

Dr. Y B Bharatharaj Etigi

Crack Prevention Techniques for RCC Slabs

Oct 15, 2022

Date of Completion

UltraTech Cement Ltd.

Organizer



Dr. Y B Bharatharaj Etigi, Associate Professor & Head , Department of Civil Engineering attended one day technical seminar on “Crack Prevention Techniques for RCC Slabs” organized by Ultratech Cement on 15th October 2022.



Department of Civil Engineering organized industrial visit to RMC Plant for 3rd semester students on 20th October 2022 accompanied by Associate Professor Dr. Varun B K, Assistant Professors Mr. Virupaksha H V and Dr. Hanumesh B M.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Faculty Achievements:



Asian Journal of Education and Social Studies 2022, Certificate of Excellent in Reviewing awarded to **Dr Sanjay Pande M B** GM Institution of Technology, India in recognition of an outstanding contribution to the quality of the journal



Inauguration of Center of Excellence “**CELONIS PROCESS MINING LEARNING HUB**” in Dept of CS&E From the Resource Person **Mr.Manjunath Chandrashekar** Senior Academic Allince Manager, CELONIS, Bengaluru, in the pracence **Dr Y Vijaya Kumar** Principal, GMIT, **Dr Sanjay Pande M B** Prof. & Head Dept. of CS&E, **Mr. Tejasvi Kattimani T R** Head, Dept. of Training & Palcement and **Mr Aruna Kumar B T** Asst. Prof., Dept. of CS&E and SPOC of Celonis, GMIT , held on 12th October 2022.



CERTIFICATE OF PARTICIPATION

C.No: 022-204066
Date: 14 Oct 2022

BHAVANA H V
GM Institute Of Technology

has participated in 5 Day Faculty Development Program on
Microsoft Power BI Data Analyst Associate
conducted by ICT Academy on 10 Oct 2022 to 14 Oct 2022 at
Bapuji Institute Of Engineering And Technology





Hari Balaschandra
Chief Executive Officer, ICT Academy

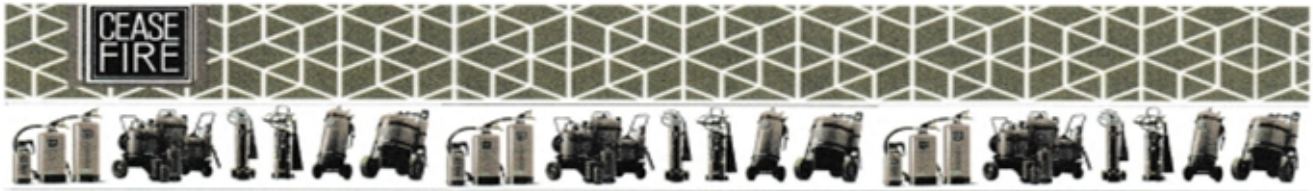




Ms Bhavana H V Asst. Prof., Dept. of CS&E GM Institute of Technology has participated in 5 Day **Faculty Development Program** on **Microsoft power BI Data Analyst Associate** conducted by **ICT Academy** on 10th October 2022 to 14th October 2022 at Bapuji Institute of Engineering and Technology.

The student of **GM Polytechnic** were enabled with hands on Workshop conducted for Two days 21st and 22nd October 2022 with Title **Explore the PC**. The workshop was co-ordinated from **Mr. Marathi S T** Asst. Prof., Dept. of CS&E and team of 5th Semester students.

<p>ಭಾವಪೂರ್ಣ ಶ್ರದ್ಧಾಂಜಲಿ</p> 	<p>ಮಹಾಲಕ್ಷ್ಮಿ 5th Sem 'A' section</p> <p>ಜನನ: 09.07.2002 ಮರಣ: 24.10.2022</p>
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DATE:-14-11-2020

TO WHOM SO EVER IT MAY CONCERN

This is to certify and endorse that the required installation of fire safety measures, training of staff on firefighting exercise, mock drill to fire safety regulations has been done in GM Institute of Technology, Davangere, Karnataka-577006.

Installation of following equipment's has been done by Ceasefire Industries Pvt. Limited, to ensure fire protection systems, abatement and thereby strengthen the capacity of institute to deal with any fire emergencies.

Training to the staff of the **Computer Science and Engineering Department** has been given by our team of experts on following topics comprehensively.

- 1) Fire Protection
- 2) Fire Extinguisher
- 3) Abatement and fire safety
- 4) Mitigation and emergency preparedness
- 5) Firefighting exercise and demo
- 6) Mock drill

Trained Staff Members

- a) Nagarajachar S R
- b) Thippeswamy G N

This certificate is being issued to validate and demonstrate the Fire safety measures in GM Institute of Technology, Davangere, Karnataka-577006.


AUTHORIZED SIGNATURE
CEASEFIRE INDUSTRIES PRIVATE LIMITED
BANGALORE



FIRE
EXTINGUISHERS



FIRE ALARM
SYSTEMS



ESCAPE
SIGNAGES



SUPPRESSION
SYSTEMS



Ceasefire Industries Private Limited, 5th Block, Koramangala, Bangalore, Karnataka, 560095
Call our free hotline :1800 11 3473 / 1800 180 7233 or call +91 120 4223473

This is to certify and endorse that the required installation of fire safety measures, training of staff on firefighting exercise, mock drill to fire safety regulations has been done in GM Institute of Technology, Davangere. Trained Staff Members are **Mr. Nagarajachar S R** and **Mr. Thippeswamy G N**. This certificate is being issued to validate and demonstrate the Fire safety measures in GM Institute of Technology, Davangere.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Content 1: Paper Publication

Dr. Kavitha K J, Associate Professor published a Paper on “Corona Virus, Its Effects And Solution-A Review” in Neuroquantology, Scopus Indexed Journal.

Details: Volume 20 | Issue 10 | Page 11037-11047| October 2022 |DOI: 10.14704/nq.2022.20.10.NQ551069



Content 2: Faculty Development Programme

The Department of Electronics and Communication Engineering, GM Institute of Technology, Davangere organized a Technical Workshop on “3-Days Faculty Development Program (FDP) on Cadence Virtuoso Platform” by the resource person Mr. Shivaprasad B K, Sr. FAE, Entuple technologies Pvt Ltd, Bangalore from 6th October 2022 to 8th October 2022 at 9.30 am to 5.00 pm in VLSI Lab.

Dr. Y. Vijaya kumar, Principal was presided over the Workshop. Dr. Praveen J, Professor & Head, ECE department, was also present.



The faculty members of ECE and the students of ECE were present in the Workshop. Dr. Praveen J, Convener & Head, ECE department welcomed the gathering and also briefed the assembled members about the importance of the Workshop topic in VLSI research field. Following faculties participated and successfully completed three days FDP on Cadence Virtuoso Platform held in the department.



Dr. Praveen J
Professor and Head
ECE Department, GMIT



Dr. Kavitha K J
Associate Professor
ECE Department, GMIT



Mr. Chetan B V
Assistant Professor
ECE Department, GMIT



Mrs. Asha T
Assistant Professor
ECE Department, GMIT



Mr. Suprith P G
Assistant Professor
ECE Department, GMIT



Mrs. Revathi S N
Assistant Professor
ECE Department, GMIT



Mr. Santhosh B G
Assistant Professor
ECE Department, GMIT



Mr. Hanumanth Raju R K
Assistant Professor
ECE Department, GMIT



Ms. Deepika V B
Assistant Professor
ECE Department, GMIT



Ms. Sangeetha G R
Assistant Professor
ECE Department, GMIT

Content 3: Technical Talk

A. “Unmanned Aerial Systems (Drone)- A Technology”

The department of Electronics and Communication Engineering, GM Institute of Technology, Davangere organized a seminar in Civil seminar hall on 3-10-2022 at 10:00 am on “Unmanned Aerial Systems (Drone)- A Technology” by the resource persons Mr. Sudhir Sanna & Mr. P R Nagananda Tejasvi, Industry Consultant & Adj. Professor, Manipal University, Jaipur.

Dr. SunilKumar B S, In-Charge Principal & Head of ISE department was presided over the function. Dr.Praveen J, Professor & Head, ECE department, and Prof. Tejasvi Kattimani, Training & Placement Officer were also present. The faculty members of ECE, CSE, ISE and ME were present in the seminar.



B. Latest Development & Career Opportunities in VLSI

The Department of Electronics and Communication Engineering, GM Institute of Technology, Davangere organized a Technical talk on “Latest Development & Career Opportunities in VLSI” by the resource persons Mr. ArunIyer, Principal Engineer, Xilinx AMD, Hyderabad & Mr. Anikethan H.V.U,Co-founder, Partnerships and Operations at CoachEd, Bengaluru, on 29th October 2022 at 10.30 am in Central Library Auditorium.

Dr. Y Vijaya Kumar, Principal was presided over the function. Dr. Praveen J, Professor & Head, ECE department, and Prof. Tejasvi Kattimani, Training & Placement Officer were also present. The faculty members of ECE and the students of ECE were also present in the seminar.



Content 4: Student Internship

As a curriculum part of the academic year, the ECE department conducted 3-weeks Student Internship for the 2nd year students from 11-10-2022 to 30-10-2022.

A. Hardware Modelling Using Verilog and VLSI

The Internship was conducted in association with CoachEd, Bengaluru. The total participated students under this domain were 35. The In charge faculties of this internship were Dr. Praveen J, Professor & Head, ECE Department, Mr. Chetan B V & Mr. Suprith P G, Assistant Professor. Mr. Anikethan H V U, Cofounder and COO, CoachEd Bengaluru was invited as the resource person.

The internship provided the exposure to Digital VLSI Design domain. The participants learnt Verilog based RTL design using Xilinx tool and digital design using Microwind tool.



B. Signal Processing and its applications

The Internship was conducted in association with CoachEd, Bengaluru. The total participated students under this domain were 35. The In charge faculties of this internship were Dr. Rajashekhar Somasagar, Associate Professor, Mr. Rajendra S Saloni, Assistant Professor, ECE Department. Mr. Sunil Kumar P B, Senior Engineer & Project Lead, Virtusa Pvt. Ltd, Bengaluru was invited as the resource person. The internship provided the exposure to Signal Processing domain and its various applications in real time world. The participants benefited from the internship and the resource person also enlightened the students about the domain and gave brief idea about the career opportunities in the field.



C. Basic Circuit Design

The Internship was conducted in association with Sumukh Technologies, Davangere. The total participated students under this domain were 29. The In charge faculties of this internship were Mrs. Manjula B K, Mrs. Asha T, Ms. Akshata Chavan, Assistant Professor. Mr. Karibasavaraja J, Sumukh Tehnologioes was invited as the resource person. The internship provided the knowledge about working principle of basic electronic components and designing of circuit for different applications.



D. Embedded System and IoT

The Internship was conducted in association with Embiot Technologies, Bengaluru. The total participated students under this domain were 39. The In charge faculties of this internship were Mr. Harisha G C, Mr. Raviteja B, Mr. Sampath Kumar B, Assistant Professor. Mr. Panduranga N M, Director R&D, Embiot Technologies Pvt. Ltd, Bengaluru was invited as the resource person.

The internship provided the exposure to Embedded System and IoT. The participants learnt Embedded C programming, Arduino IDE tool and Node MCU interfacing to various sensors / actuators. At the end of the internship, students were able to implement and demonstrate the mini projects assigned to them.



E. Basics of Matlab and Simulink

The Internship was conducted in association with A&M Research India Pvt.Ltd, Davangere for. The total participated students under this domain were 39. The In charge faculties of this internship were Mrs. Chaitra S N, Mrs. Deepa T, Mrs. Revathi S N, Assistant Professor. Mr.Amogha B., Director, A&M Research India Pvt.Ltd. was invited as the resource person. The internship provided the knowledge about Matlab and Simulink software in different applications.



Content 5: Student's Achievement

A. Placement

The final and pre-final year students of ECE Department attended the campus interview for SLK Company held in GMIT campus.

The 7 students from final year and 5 students from pre-final year got placed in the interview as trainee with a package of 4LPA.

B. MSME Proposal

The 30 batches of final year students of ECE department have submitted proposals to the Hackathon 2.0 under MSME.



Content 6: Ayudha Pooja

The department of ECE celebrated Ayudha Pooja on 04-10-2022 on the occasion of Dasara festival.

DEPT. OF INFORMATION & SCIENCE

1. FACULTY DEVELOPMENT PROGRAM

Dr. Neelambike S, Associate Professor, Dept. of IS&E, participation in One Week Online Faculty Development Programme on “Taking Research to Next Level” organized by Department of Mechanical Engineering & Department of Basic Science, in Association with IQAC, ISNT and IIC Cell, Sri Venkateshwara College of Engineering, Bengaluru from 26th to 30th September 2022.

Ms. Bhoomika S S, Assistant Professor, Dept. of IS&E, participation in One Week Online Faculty Development Programme on “Taking Research to Next Level” organized by Department of Mechanical Engineering & Department of Basic Science, in Association with IQAC, ISNT and IIC Cell, Sri Venkateshwara College of Engineering, Bengaluru from 26th to 30th September 2022.

Dr Neelambike S, Associate Professor, Dept. of IS&E, successfully participated in IP Awareness/Training program under “National Intellectual Property Awareness Mission” on 22nd September 2022.



DEPT. OF ELECTRICAL & ELETRONICS ENGINEERING

Department Inauguration:



On 14th Oct, Electrical and Electronics Engineering Department opening ceremony has been inaugurated by our beloved Principal Dr. Y Vijaya Kumar, Management Representative Mr. Y U Subhachandra and Dr. Murugendrappa N Head of the Department EEE. To start with auspicious activity of the department on this occasion, Ganesha and Saraswathi worshipped, all departments of HOD's and all the Faculties of the institute has been came to the function of the department opening ceremony. The program has been conducted successfully.

2. New faculty joined the department of EEE as Assistant Professors



Mrs. YASHASWINI PATEL A B



Mr. ANIL KUMAR T R B



Mrs. POORNIMA B Y



Mr. MANJUNATHA Y

3. New faculty joined the department of EEE as Technical Staff



Mr. KESHAVA S V



Mr. MANJUNATHA C E

4. Orientation program for the 3rd semester students



Principal Dr. Y Vijaya kumar, Academic Dean Dr. Sunil Kumar B S HOD of ISE and with all faculties of EEE and HOD Dr. Murugendrappa N are gathered to introduce the students regarding the department laboratories and other facilities with respect to NEP new syllabus.



Dr. Manjunath B. R., Professor and HOD of the MBA Department, GMIT, Davanagere Invited as Guest Speaker for an event Dhashakotsava - Sanskriti @ Wisdom College of Commerce and Management , Sindhanur dated 01-10-2022.



Prof. Sandhya P Zingade, Assistant Professor of MBA Department, GMIT , Davanagere participated the Three days MDP on “HR Analytics” from 13th to 15th October 2022 at Christ, Bangalore

FDP On Microsoft power BI Data analyst associate conducted by ICT Academy



Prof. Vinay I., Assistant Professor of MBA Department, GMIT College, Davanagere Participated Five days FDP on Microsoft power BI Data analyst associate conducted by ICT Academy from 10th to 14th October, 2022 at Bapuji Institute of Engineering And Technology

FDP on “Accreditation Process - NBA with a focus on Active Learning”

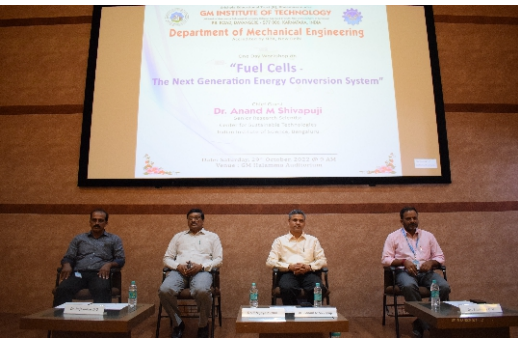


Dr. Prashantha Kumar O, Associated professor - MBA Department, GMIT, Davanagere Participated in five days FDP On “Accreditation Process - NBA with a focus on Active Learning” Conducted at RV College of Engineering, Bangalore from 17-10-2022 to 21-10-2022

DEPARTMENT OF MECHANICAL ENGINEERING

FUEL CELLS TECHNOLOGY – ONE DAY WORKSHOP

FORMEC (Forum of Mechanical Engineers) has organised one day workshop on Fuel Cell Technology for all the mechanical engineering graduates on 29th October 2022 at GM Halamma Auditorium. Chief Guest Dr. Anand M Shivapuji, Senior Research Scientist, Centre for Sustainable Technologies, Indian institute of Science, Bengaluru, delivered a technical talk on working principle of fuel cells and demonstrated experimental models for our young mechanical students. Program President Dr. Y Vijaya Kumar, Program Chairman Dr. Srinivasa C V, and subject expert Dr. Rajakumar D G, Formec secretary Dr. Mudasar Pasha B A, FORMEC Treasurer Mr. Dileepkumar S G and all the mechanical engineering students and staffs were present.



Students Achievements

Shrilya Educational Trust (R), Bheemasamudra
GM INSTITUTE OF TECHNOLOGY
(Affiliated to Visvesvaraya Technological University, Belagavi, Approved by AICTE, New Delhi and Govt. of Karnataka)
R.B. ROAD, DAVANGERE - 577 006, KARNATAKA, INDIA
Department of Mechanical Engineering
Accredited by NBA, New Delhi

Invitation

FORMEC
(Forum of Mechanical Engineering)
Cordially Invites You for workshop on
**"Fuel Cells -
The Next Generation Energy Conversion System"**

Chief Guest
Dr. Anand M Shivapuji
Senior Research Scientist
Center for Sustainable Technologies
Indian Institute of Science, Bengaluru

President
Dr. Y Vijaya Kumar
Principal
GMIT, Davangere

Chairman
Dr. Srinivasa C V
Professor & Head
Dept. of Mechanical Engg., GMIT, Davangere

Dr. Rajakumar D G
Professor
Dept. of Mechanical Engg., GMIT, Davangere

Mr. Dileep Kumar S G
Asst. Professor
Forum Treasurer

29th October 2022
Saturday @ 9.00AM
Venue: GM Halamma Auditorium

Dr. Mudasar Pasha B A
Asst. Professor
Forum Secretary

All are cordially invited

Visvesvaraya Technological University
"Jnana Sangama", Belagavi- 590 018, Karnataka, India.
Department of Physical Education & Sports
Inter Zone / Single Zone Tournament : 2022 - 2023

Certificate

This is to certify that Sri./ Kum. Vajradutt Jadhav S
USN 46M19MED5D Representing G.M.I.T., Davangere
has Secured Winners / Runners - up / Third / Fourth Place in weight lifting [67kg]
Inter Collegiate / Inter Zone / Single Zone Tournament / Competition
held at Global Academy of Technology
from 28-10-2022 to 29-10-2022

Director of Physical Education
VTU, Belagavi.

Principal
organizing college

Vice Chancellor
VTU, Belagavi.





Srishyla Educational Trust (R), Bheemasamudra - 577 520

GM INSTITUTE OF TECHNOLOGY

Affiliated to VTU, Belagavi, Approved by AICTE, New Delhi & Govt. of Karnataka

P.B. Road, NH-4 Davangere-577 006, Karnataka, INDIA • Website : gmit.ac.in, Email : principal@gmit.ac.in