



# Dr. Ambedkar Institute of Technology

(An Autonomous Institution Aided by Govt. of Karnataka)

Affiliated to Visvesvaraya Technological University Belgaum

Mallathahalli Bangalore 560056



## NEWS LETTER

**JAN-JUNE 2022**



**Dr. Ambedkar Institute of Technology** (Dr. AIT) was founded by M.H. Jayaprakash Narayan in 1980. Named after Dr. B.R. Ambedkar, the institute is affiliated to Visvesvaraya Technological University (VTU), Belagavi and is recognized and accredited by AICTE and NBA respectively. The institution is accredited by NAAC with 'A' Grade. The Institution has achieved 163 Rank in National Institutional Ranking Framework(NIRF).

## HONOURABLE FOUNDER SECRETARY

### LATE SHRI M H JAYAPRAKASH NARAYAN

Founder Secretary  
Panchajanya Vidya Peetha Welfare Trust (R)



Dr. Ambedkar Institute of Technology was established in the year 1980 by Late Sri M.H. Jayaprakash Narayan, Ex-MLA, Ex-Syndicate / Senate Member of Bangalore University and Founder Managing Trustee of PVP Welfare Trust and Secretary of Dr. Ambedkar Institute of Technology, was a visionary and an educationist. He was a strong follower of the principles of Bharatha Ratna Dr. B.R. Ambedkar, he came from a very humble background. He fought relentlessly for the upliftment of the downtrodden. He believed that education is the main path for the emancipation of the oppressed classes and started a number of educational institutions to cater to all levels of education in Bengaluru.

# Visionaries of Panchajanya Vidya Peetha Welfare Trust

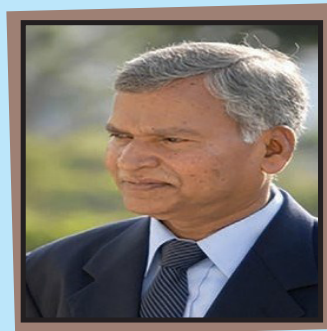
The TRUST has over 24 institutions with more than 10,000 students. As one of the fastest growing organization in the State of Karnataka, it has been offering quality education in every field of academics from Kindergarten to Post-Graduation and Research programs in science and technology at an affordable cost.

The students who have passed out of the institutions of PVPWT in the last three and half decades have excelled in their life, bringing laurels and glory to the nation. Eminent academicians, scholars, leaders, industrialists and others have showered accolades on its achievements and accomplishments.

The Trust comprises of eminent Trustees with diversified background, who serve relentlessly for the overall development of the organization. The organization is very proud to have these strong visionaries as Trustees.



**Sri A R Krishnamurthy**  
B A, PG Dip. in Journalism.  
Managing Trustee/ Secretary PVPWT  
Ex- MLA/Ex- Chairman Dr. BRADC  
(Cabinet Rank) GoK



**Sri S. Mariswamy. IPS**  
Chairman, PVPWT  
Director General of Police (Rtd.)  
GoK



**Dr. B N Umesh**  
M Tech. PhD  
Treasurer,  
PVPWT



**Sri S Shivamallu**  
B E, FIE  
Trustee, PVPWT  
Director KPTCL (Rtd.), GoK



**Dr. M Mahadeva**  
Ph D  
Trustee, PVPWT  
Former Faculty, ISEC  
Ex-Chairman, KPSC GoK

## Our Vision

To create Dynamic, Resourceful, Adept and Innovative Technical professionals to meet global challenges

## Our Mission

To offer state-of-the-art undergraduate, post graduate and doctoral programs in the fields of Engineering, Technology and Management

To generate new knowledge by engaging faculty and students in research, development and innovation.

To provide strong theoretical foundation to the students, supported by extensive practical training to meet the industrial requirements.

To instil moral and ethical values with social and professional commitment.



## FROM THE PRINCIPAL'S DESK

Greetings from Dr. Ambedkar Institute of Technology.



Dear Students and faculty members, with the successful completion of the first year for the new students of the NEP 2020 batch. We are on the verge of taking in the 2nd batch of NEP students in the near future under the 2022–23 academic year with new goals. The onset of NEP 2020 has opened new avenues in the teaching-learning process. New approaches for the betterment of education have brought numerous changes in the academics, and there is a continuous process of semesters where the students are taught and shared information with regard to their academics by our talented and enthusiastic faculty members.

The evaluation procedure in the examination section is updated according to the requirements as and when required. I am happy to share that our students from various departments are placed in well-known companies with good packages. We have been granted a good number of patents, initiated many Mou's signed under Industry Institute Interaction cell, and Research grants are obtained from prestigious funding institutions like AICTE, New Delhi, VGST, KSCST, Govt. of Karnataka and PVPWT. I congratulate each one of my faculty members who were invited as experts for various online FDP's, workshops, and conferences. Let us be focused and determined to achieve our new goals and work towards academic excellence and innovation.

Wishing everyone all the best.....

Warm Regards  
Dr. M. Meenakshi,  
Principal, Dr. AIT

# Bharata Ratna Dr. B R Ambedkar Jayanthi

DR. Ambedkar Institute of Technology celebrated 131st birth anniversary of Bharata Ratna Dr. B. R. Ambedkar on Thursday 14th April 2022.

On this occasion 6th National Level Techno Exhibition was organised in the campus. Mr. Jacob Peter Kidangath, Senior Vice President, Bosch Global Software Technologies Private Limited was the chief guest for the event presided by Sri S. Mariswamy, IPS, Chairman, PVP Welfare Trust, Sri A. R. Krishnamurthy, Secretary, PVP Welfare Trust, Dr. B. N. Umesh, Treasurer, PVP Welfare Trust, Sri S. Shivamallu, Trustee, PVP Welfare Trust, Dr. M. Mahadeva, Trustee, PVP Welfare Trust, Dr. N. C. Shivaprakash, Mentor, Dr. AIT, Dr. M. Meenakshi, Pricipal, Dr. M. V. Vijaykumar, Vice Principal, Dr. K. N. Anuradha, Dean(Academic) were the Guests of Honour.

Mr. Jacob Peter Kidangath along with the trust members visited the project stalls and finalized the best project for award.

On this occasion, special drama on "We the People of India" by Rangayana, Shimoga was organised from Ambedkar study center was presented before the chief guest Dr. S. R. Keshava, Professor, Department of Economics, Bangalore University.



# International Day Of Yoga

The idea of an international day to recognize and respect the practice of yoga was first made on 27th September 2014 by the Prime Minister of India, Narendra Modi at the UN General Assembly. This proposal was approved by 175 member states. Yoga Day highlights the importance of Yoga and the benefits it has on our mind and soul. If practiced often, yoga can boost up your energy level, help you maintain a healthy weight and improve your body posture. Participating in Yoga activities and meditation can help in enhancing your mental health.

Dr. Ambedkar Institute of Technology conducted international yoga day on 21st June 2022, Wednesday. Dr Shiva Prakash M is a professor & PhD qualified master, instructed the participants and briefed the importance of yoga in their day to day life. All the students and the staff members actively participated.

This year theme for International Yoga Day was on 'Yoga for Humanity', which is intended at bringing to light the physical, mental, and emotional state of people. The theme for this year was announced by PM Narendra Modi on 30th May during the show 'Mann Ki Baat'. Involving yourself in Yoga not only benefits the mind and body but also instils love and compassion towards one another.



## NSS Activities

### Conscious-Planet Save Soil

National Service Scheme (NSS) unit organized “Conscious-Planet Save Soil” program on 18th May 2022 with the collaboration of Isha Foundation at JPN Auditorium our Principal- Dr. M. Meenakshi, Dean Academics - Dr. K. N. Anuradha, Dean Planning and Development - Dr. Mahalinga. V. Mandi, NSS Officer - Dr. R. Murali, Co-ordinator NSS unit - Dr. S. K. Rajendra and Co-ordinator NSS unit - Dr. S. Soundeswaran were present on behalf of IQAC cell and NSS unit Dr. Ambedkar Institute of Technology.

Dr. Deepa Srinivas also made students to do the signature step of their “Save-Soil” that was composed by Sadhguru. Students were more enthusiastic and their involvement was worth watching. This was an amazing program and a step taken forward to protect the soil.

**“If We Destroy Our Soil, We Destroy Our Lives.”**

– Sadhguru



### Observance of Anti-Terrorism Day

Antiterrorism Day pledging program for students and staff have been conducted at Dr. Ambedkar Institute of Technology, Mallathahalli, Bangalore 560056 on 21 May 2022 at 11.15 am. Principal spoken about the purpose of this pledge and spread the message of peace, humanity, unity, and harmony among the people. NSS unit of Dr. AIT conducted this program. In this program Dr. M Meenakshi (Principal), Dr. M.V. Vijyakumar (Vice Principal), Dr. Mahalinga V Mandi (Dean P&D), Dr. R. Murali (NSS officer), Dr. S. Soundeswaran (NSS Coordinator), Dr. Mohan Kumar (NSS Coordinator), Dr. Shivaprasanna (NSS Coordinator), staff members and students were participated.





## Environmental awareness and cleanliness campaign








National service scheme (NSS) unit organized Environmental Awareness and Cleanliness Campaign at Gumballi and BR. Hills from 9th April 2022 to 11th April 2022. Dr. R Murali (NSS Officer) Dr. AIT with 4 professors- Mr. Dr. S.Soundeswaran (NSS Coordinator), Dr. Mohan Kumar (NSS Coordinator), Dr. Shivaprasanna (NSS Coordinator), Ms. Arpita and 40 students group was formed out of which 20 boy students and 20 girl students left the campus at 8 AM.

They reached Gumballi by 12.45 PM. NSS officer and other coordinators divided the students into 4 groups for cleaning the village for 2 hours.

Dr. AR Krishnamurthy, Ex- MLA/Ex- Chairman Dr. BRADC, Managing Trustee/ Secretary PVPWT, Sri. Yogesh, Sri. Nanjaniah, Sri Kyathiah, Sri Krishnaiah, Sri Madhiah and media group was present in the program and program started at 3.30 PM at Gumballi Community Hall.

## Industry Institute Interaction

Sl. No.	Logo	Company Name	Validity	Outcomes
Ms. Asha Rani K. P., Assistant Professor, Department of Computer Science and Engineering.				
MOUs Initiator and Coordinator for IBM SkillsBuild and Nikhilon				
1		IBM SkillsBuild/Edunet Foundation	29/04/2022 to 29/04/2023	400+ students have registered for AICTE approved online internship in association with edunet foundation and IBM SkillsBuild.
2		Nikhilon India Pvt Ltd, Bengaluru	29/06/2022 To 28/06/2023	Internships for students.
Dr. Bharathi S., Professor, Department of Computer Applications				
MOUs Initiator and Coordinator for EvoluteIQ				
3		EvoluteIQ	12/01/2022 To 11/01/2027	6 Students were offered internships.
4		Salesforce India	2022 - 2027	Certification Program (40 Students), Placement assistance
5		IBM India	Jan 2022 – Dec 2022	Workshops, Webinars, FDPs

## Smart India Hackathon

Smart India Hackathon 2022 was organised by DEAN(Industry - Institute - Interaction)'s Office at Dr.Ambedkar Institute of Technology, Bengaluru on March 17th 2022.



**DR. AMBEDKAR INSTITUTE OF TECHNOLOGY**  
DEAN (INDUSTRY-INSTITUTE-INTERACTION)'S OFFICE

### SMART INDIA HACKATHON 2022

SIIH 2022  
World's biggest open platform for the innovators or entrepreneurs of tomorrow to start today towards a smarter India

**SIIH PROCESS FLOW**

1. Participate in Smart India Hackathon
2. Team Leaders of the Selected Teams to be registered at SIIH Portal
3. SIIH 2022 Final Evaluation of submitted ideas
4. Result Analysis & Result Publication

**NOTE**

To Participate:  
Prepare an idea/project/innovations/innovations with objectives & proposed solution.

Open to all disciplines

17th March 2022  
10:00 AM  
18th March 2022  
10:00 AM

**FOR MORE INFORMATION:**  
<https://www.siih.gov.in/siih2022>

**FOR ANY QUERIES CONTACT:**  
Ms. Asha Rani K P  
Coordinator  
DEAN (I-I-I) OFFICE  
98 8000 5000

**CHIEF CONVENER:** DR. M. REENAKSHI, Principal, DEAN

**CONVENER:** DR. M. V. VISAYAKUMAR, VICE PRINCIPAL, DEAN I-I-I

**CHIEF COORDINATOR:** DR. GOWRISHANKAR S, VICE PRINCIPAL, DEAN I-I-I

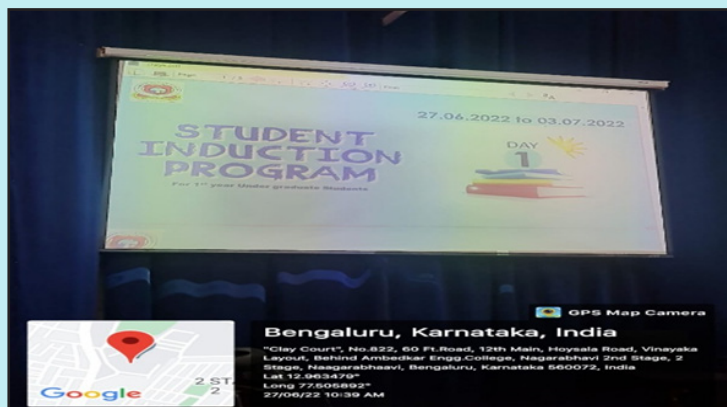
**COORDINATORS:**  
DR. PRADHAR B, DEAN I-I-I  
DR. TANUJA P PATGAR, DEAN I-I-I

**DR. D. K. BAVISH,** DEAN I-I-I  
**MS. ASHA RANI K P,** DEAN I-I-I

**MR. SRINIVASA A H,** DEAN I-I-I  
**DR. PAVAN TEJASVI T,** DEAN I-I-I

# STUDENT INDUCTION PROGRAM

The Student Induction Program was organized in order to uplift the level of the first year B.E. students to an elevated stage, promote all-round development and hence enhance their learning. Students would have come with diverse backgrounds and hence it becomes important to help them adjust to the new learning environment & inculcate the culture of our institution with a sense of larger purpose. That is where the lacuna lies which demands a program dynamic enough to address the issue.



Dr. Ambedkar Institute of Technology had organized one week Student Induction Programme from 27/06/2022 to 02/07/2022 with an objective to provide ample of time and a platform for the transition of students from PU to the hardcore engineering. An induction programme is an indicator of various in-campus & off-campus activities specially designed for entrants to fill the gap.

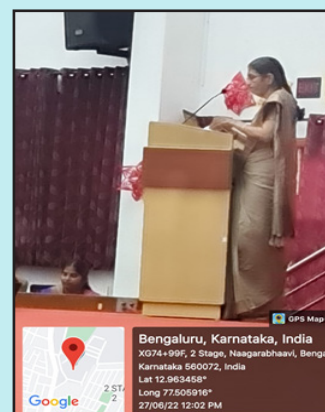
## INAUGURAL FUNCTION of SIP 2021- 2022

Sl. No.	Session	Session Title	Time	Speaker
1.	27/06/2022 Morning Session	Inauguration of SIP 2022	10.00 AM to 11.00 AM	All the dignitaries

The Induction Programme began with welcome speech by Dr.Siddaraju, Professor & Head, Department of Computer Science & Engineering and SIP Co-ordinator. Sir welcomed our honourable principal Dr.M.Meenakshi, Vice-principal Dr.M.V.Vijay Kumar(in his absentia), Dr.Anuradha K N Dean (Academics), Dr. Prashsanth C R Dean (Examination), Dr. G V jayarammaiah Dean (R&D), Dr. Gowrishankar Dean(Industry Institute Interaction), Dr. Nandini Prasad Dean(Foreign affairs), Dr. Shashipriya HOD HSS, HOD's and Faculties of All Departments and Students.

Honorable principal Dr. M. Meenakshi mam spoke about the college, Outcome Based Education and about National Education Policy and its credit system.

Dr. Shashipriya madam, HOD HSS started the second session "Importance of Induction program" and briefed students why this Induction program is important in an engineering college. Do's and Don'ts inside the campus. She assured students saying for any kind of help or clarity kindly contact your respective mentors and definitely they will guide you. She concluded her session saying All the best to students.



## Day 1 - 27.06.2022 (Morning Session)

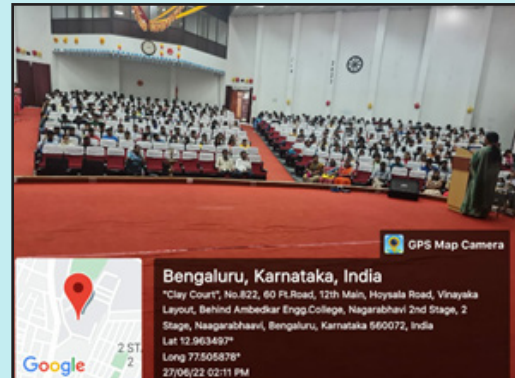
Timings: 10:00 AM to 1:00 PM

1. Inaugural Function by honourable principal Dr.M.Meenakshi, Dr.AIT
2. Importance of Induction Program by Dr. Shashipriya , HOD, Dept. of HSS

## Day 1 - 27.06.2022 (Afternoon Session)

Timings: 2:00 PM to 5 PM

1. About NEP-2020 and Academic regulations by Dr. Anuradha K. N (Dean Academic)
2. Continuous Education opportunities in abroad by Dr. Nandini prasad (Dean Foreign Affairs)
3. Importance of Physical education in HEI's by Dr. Ravindra B.C Faculty, Dept of physical Education (UCPE), Bangalore University



## Day -2 :28-6-2022 (Morning Session )

Time: 10:00 am to 11:00 am

1. Examinations related Guidelines by Dr. Prashanth C. R. ,Dean(Examination).
2. Gap Analysis in Industry and Academia by Dr. Gowrishankar S ,Dean(Industry Institute Interaction)



**Day 2 - 28.06.2022 (Afternoon Session)**

**Timings: 2:00 PM to 5 PM**

1. Sexual Harassment and its implications by Dr. Padmasree Rao
2. Importance of Health and wellness by Dr. Shiva Kumar R, Consultant, Vinayaka Speciality Homoeopathic Medical Center and Resident Medical Officer at Bhagwan Buddha Homoeopathic Medical college and Hospital



**DAY 3 - 29.06.2022 (Morning Session)**

**Timings: 10:00 AM to 2:00 PM**

1. "The role of an Engineer in society as whole" by Dhiraj A Rao
2. "Indian Constitution and the responsibilities of Indian Citizen" by Dr. Suresh V Nadagoudar



**DAY 3 - 29.06.2022 (Afternoon Session)**

**Timings: 02:00 PM to 5:00 PM**

1. Paper art craft
2. Outlay of Village culture by Dr. Sabbanahalli Raju and team





**DAY 4 - 30.06.2022 (Morning Session)**

**Timings: 10:00 AM to 1:00 PM**

1. Life History of Dr. Ambedkar followed by short film
2. Awareness about Road safety measures by Traffic Police Department



**DAY 4 - 30.06.2022 (Afternoon Session)**

**Timings: 2:00 PM to 5 PM**

**1. CAMPUS CLEANING EVENT REPORT**

Venue: - College campus and approach road

Event Coordinators:	Dr. Prabha R, Mrs. Veena Potdar, Mrs. Asha K N, Mrs. Jayalakshmi K, Mrs. Sowmya C L, Mrs. Mamatha S K along with NSS Team
NSS Team:	Dr. Murali R, NSS Programme Officer, Mr. Mohan, Mr. Shiva Prasanna, and NSS Student Volunteers

Clean Campus promotes Hygiene, it improves the hygiene level on campus and also helps to reduce the spread of sickness. Maintaining a clean college environment sets a good example for students.



More than 600 students and volunteers engaged themselves in various activities including cleaning the surroundings of the main college block, parking areas, sports ground, PVP building, library building, hostel buildings, department buildings and administrative buildings. Mr. Mohan, NSS Coordinator explained the allotment of areas for cleaning for all the sections. The event was successful and Dr. AIT campus was clean and tidy.

**DAY 5 - 01/07/2022 (Morning Session)**

**Timings: 10:00 AM to 1:00 PM**

1. Benefits of YOGA and stress management with practice sessions by Dr. Geetha Rani, Director, Swami Vivekananda Yoga Shala, Bangalore.
2. Universal Human Values-“Understanding Harmony”



They also promised to practice yoga on a daily basis to reap the utmost benefits of it in their life. Finally the yoga guru, Dr. Geetha rani was felicitated by Dr. Leena Giri mam as a token of respect.

**DAY 5 - 01/07/2022 (Afternoon Session)**

**Timings: 2:00 PM to 5 PM**

**1. Universal Human Values- Understanding Harmony by Banthe Bodhidatta Thera**

A preaching Monk and Secretary General at international Buddhist Monks chaitable trust, Nalanda Buddhist University



**DAY 6 - 02/07/2022**

Students must visit an old age home, schools and orphanages nearby their residence, do some help, interact and take some photographs with them. Write a report on their experiences and submit to coordinator by 09th July 2022.



## Ambedkar Study Centre at Dr.AIT

Ambedkar Study Centre(ASC) was established in the year 2016. Prof. Kesthara V, Assistant Professor, Department of Electronics and Communication, Dr.AIT, initiated this center at Dr.Ambedkar Institute of Technology. Other members associated with ASC are Prof. Monikashree T.S., Assistant Professor, Department of Electronics & Instrumentation, Dr.AIT, Prof. Somalatha. B, Assistant Professor, Department of HSS, Mr. Suresh K.M. Instructor Dr.AIT, Department of Telecommunication, Mr. Krishnaprasad K.V. Foreman, Department of Information Science & Engineering, Mr. Nanjunda Swamy S.T. Helper, Department of Electronics & Instrumentation , and Mr. Vasanth Kumar G.S. Instructor, Department of Electronics and Instrumentation.

The objectives of ASC includes

- The centre aims to create awareness about the principles, beliefs & ideas of Dr B.R Ambedkar and other social reformers about the society.
- To learn & understand his contributions towards the upliftment of social, economical & politically weaker sections of the society.
- To promote studies & Research on Dr. B. R. Ambedkar.
- To work towards social harmony in the society
- Organizing Seminars, Guest lectures & workshops from eminent personalities who can impart the knowledge about Dr B.R.Ambedkar and other social reformers.
- To work on community services.
- To encourage the Staff and Students to write articles for Magazines.

Many events and activities are conducted at ASC namely, Candle March by staff and students on behalf of Ambedkar Parinirvana Day, Republic Day Celebration and Talk about Constitution of India etc.



Candle March by staff and students



General meetings at ASC



Drama “Buddha Belaku” on the eve of Dr B R Ambedkar Jayanthi acted by students of Dr AIT.

# Department of Civil Engineering

Department of civil engineering is one of the oldest departments in Dr. Ambedkar Institute of Technology. The Department offers BE Degree course apart from M.Tech degree course in Structural Engineering. The department is strong in fields of Structural Engineering, Environmental Engineering, Hydraulics and Water Resources, Geotechnical Engineering and Remote Sensing and GIS fields. It has well established state of the art laboratories viz. CAD Lab, Building Materials Testing Lab, Environmental Engg. Lab, Geotechnical Engg. Lab, Survey Lab and Highway Engg. Lab. B.E. and M.Tech. Students are pursuing out their academic programme in the department. The Department has been recognized as a Research Centre under Visvesvaraya Technological University, Belgaum and has facilities for carrying out research in the above said areas.



**Dr. S. Vijaya, M.E, Ph. D**  
**Professor and Head**  
**hod.civ@drait.edu.in**

## **VISION**

To face challenges at Global level to involve in value based technology by adopting new guidelines involving economics and energy resources in nature and to build network of society, industries and to be model of National importance.

## **MISSION**

To provide students a strong foundation in Electronics and Communication Engineering.

To provide high quality technical education in Electronics and Communication Engineering discipline and its related areas to meet the growing needs and challenges of industry and society.

To be a contributor to the technology through the process of skill development, value based education, research and innovation.

# Department of Civil Engineering

## Publications

- ISSN No:0932-4747 , “Numerical Simulation on Progressive Collapse Analysis of Reinforced Concrete Structures”; Zeichen Journal; Vol 8, Issue 07, 2022- by Gagandeep.M (P.G Student); M.NaveenKumar (Assistant Prof)
- ISSN No: 0932-4747, “Comparative Study of Effect of Underground and Above Ground Explosion on RC Structure” ; Zeichen Journal; Vol 8, Issue 06, 2022- by Karunshree (P.G Student); M.NaveenKumar (Assistant Prof)

## Webinars

- Seminar on “Job Opportunities in Waterproofing Industry for Civil Engineers” In association with SIWIN on 20.04.2022 for VI sem UG students venue: Silver Jubilee Block, Dr. AIT Co-Ordinator: Mr. Ashwin C.A Assistant Professor.
- Seminar on “Advances in Construction Management” In association with NICMAR on 18.05.2022 for VI sem UG students venue: Silver Jubilee Block, Dr. AIT Co-Ordinator: Mr. Ashwin C.A Assistant Professor.



## Lectures/Talks

- Professor Dr. S.D Venkataraj Mohan, was a Resource person during the AICTE –ISTE Induction /Refresher Program 2021-22 and delivered a talk on “ Pollution Control and Remediation-A Geo Environmental Approach” in Malnad College of Engineering from 29th Dec 2021 to 4th Jan 2022.
- Mr. Raghavendra .N, Assistant Professor was the guest speaker during webinar on 28.05.2022 on “Pavement Evaluation Techniques”.

## Industrial visit & Extensive Survey Camp

- 10 Days Survey Camp was organized as a part of academics for V sem UG Students from 17.03.2022 to 26.03.2022 in Bangalore University Campus; Jnanabharathi ; Bengaluru
- Camp Officer: Mr. S.B Ankesh (Assistant Professor)



- Industrial Visit was organized “BAGMANE CAPITAL-ROME & ANGKOR” project in Bangalore East Taluk on April 06, 2022 for PG students accompanied by Mr. Ashwin C. A ; Mr. Naveen and Mr. Sharat .B Assistant Professors of Civil Dept along with Foreman Mr. Basavaraj Jakappa.



- Plantation Drive was organized as a premier event of students technical club “Aakar 2022” on 30.05.2022 in Nidavanda Site; Bangalore Rural North accompanied by Mrs. Supritha R.M and Mr. Raghavendra (Faculty Incharge)

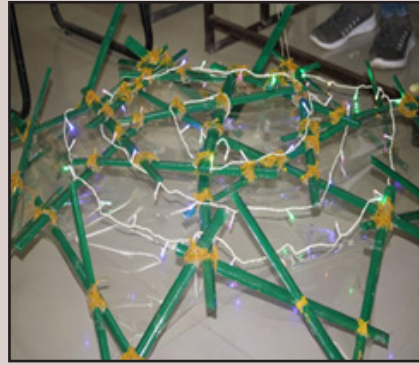


## Students Activities

- Students Technical Club “Aakar 2022” was organized on 13th and 14th June 2022.



- Model Making Event Winners



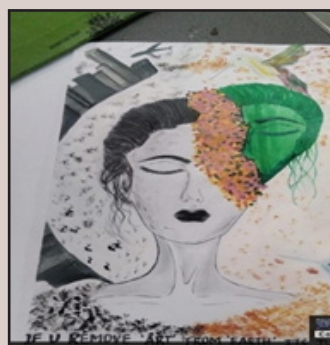
- Dum Charades



- Bridge from Popsicle Sticks Models and Collage



- Painting Event



# Achievements

## Phd Awardees

- Dr. Hemanth Kumar. V, was awarded with Ph.D from NITK, Suratkal in May 2021.
- Dr. Radhika M. Patel was felicitated by the Hemareddy Mallamma Jayanthi and Jatra mahotsava programme for the PhD degree on 10/05/2022 held at Giriyapura Village, Kadur(Tq), Chikkamagalur (D)



## Students Gate Qualifiers of 2022

- Name: SAGAVE ABHINAV USN: 1DA18CV079
- Name: H.S KRISHNAKAR USN: 1DA19CV410
- Name: R MALSAWMDAWNGZELI USN: 1DA18CV068

## Nptel Course Certifiers

- Name: Professor Dr. S. Vijaya (HOD)
- Name: Professor Dr. Venkataraj Mohan
- Name: Professor Dr. C. Nanjundaswamy
- Name: Professor Dr. Chandrasekar
- Name: Mr. Raghavendra. N Assistant Professor
- Name: Ms. Rajeshwari. B Assistant Professor
- Name: Ms. Sneha S.D Assistant Professor
- Name: Ms. Mary Bhagya Jyothi Assistant Professor
- Name: Ms. Tejaswini B.R Assistant Professor

## Event Winners

- “6th National Level Techno Exhibition” organized on 14th April 2022 on the occasion of 131st birthday of Dr. Ambedkar.
- Students of Civil Dept bagged the third place of cash prize 25000/-
- For the model titled “Permeable Pavement” under the guidance of Professor Dr.C.Nanjundaswamy
- Students : Saghave Abhinav 1DA18CV079
- Shahid Shafi 1DA18CV084
- Sangamesh 1DA18CV082
- Students of Civil Dept bagged the Theme award of cash prize 10000/-
- For the model titled “Green Building” under the guidance of Assistant Professor Mrs. Supritha R.M
- Students : Azher; Gayathri Devi; Kiran Kumar



- UG Students of Civil Dept, Dr. AIT bagged the Third place with Cash Prize in Model Making event for an exhibition on “Construction Materials & Smart Technologies” under the guidance of Professor C. Nanjundaswamy and Ms. Mary Bhagya Jyothi , Assistant Professor Civil Dept.
- Date: 17.06.2022
- Event : Model Making Competition
- Prize : Third Prize;
- Venue: East West Institute of Technology, Bengaluru
- Title of Model: Reciprocating Bamboo Dome.
- Students: Vamshi Kishore; 1DA20CV433
- Rahul ; 1DA20CV420
- Viresh Kumar ; 1DA20CV435
- Venkatesh ; 1DA20CV434



## MOU's

- Edall Systems- Skill Development, Outcome based trainings, Internship, Placement, R& D Services, Scholarship and related Services .
- Prakruthi Institute of Environmental Studies- Skill Development, Outcome based trainings, Internship, Placement, R& D Services, Scholarship and related Services .
- The Department of Civil Engineering is looking forward to organize future workshops on Civil Engineering field to create awareness on job opportunities and strategies needed for effective workmanship in the construction field.

**Reporter : Ms. Supritha R.M, Assistant Professor**



# Department of Mechanical Engineering

A warm and green greetings from the Department of Mechanical Engineering at Dr. Ambedkar Institute of Technology, Bengaluru. The college has been simply unstoppable in its progress as it has been actively involved in various activities that have brought to light the hidden talents of the college students and staff. Mechanical Engineering is a professional Core engineering discipline that deals with the design, production and maintenance of any produce of any industry. The pride of every student and staff would be in his/her department and college.



**Dr. T. N RAJU B.E, M.E., Ph.D (IIT-M)**  
**Associate Professor & Head**  
**rajutn2005@gmail.com, rajutn.me@drait.edu.in**

## **VISION**

To create Dynamic, Resourceful, Adept and Innovative Technical professionals to meet global challenges in Mechanical engineering discipline and other interdisciplinary requirements.

## **MISSION**

To impart state of the art knowledge in basic and applied areas of Mechanical Engineering - vis-a- vis the development in industries at an affordable cost.

To provide state-of-the-art infrastructure & laboratories as necessitated from academics, to promote futuristic research in the areas of design, materials, thermal, manufacturing engineering, managerial skills and related interdisciplinary areas

To facilitate faculty development through quality improvement programs.

To strengthen interaction with industries and research organizations from internship and joint research perspectives.

# Department of Mechanical Engineering

## Workshop/Conferences/Seminars/Talks Attended

- A one day seminar on “Student Employability Enhancement programme (SEEP)” was conducted by Dr. Pavan Tejasvi T ( Asst . Professor , Dept. of Mech Engineering , Dr. Ambedkar Inst . of Technology ) Dr. Bhanupratap R ( Asst . Professor , Dept. of Mech Engineering , Dr.Ambedkar Inst . of Technology ) Mr.Srinivasu N ( Asst . Professor , Dept. of Mech Engineering , Dr.Ambedkar Inst . Of Technology ) on 08/01/2022.
- A one day seminar on “INSPIRATIONAL ENGINEER” was conducted by Motivational Speaker and mind Shilt coach Hareesha M. S. Dr. T. N. Raju (HOD, Dept. of Mech Engineering), Dr. Pavan Tejasvi T ( Asst . Professor , Dept. of Mech Engineering , Dr. Ambedkar Inst . of Technology ) Dr. Bhanupratap R ( Asst . Professor , Dept. of Mech Engineering , Dr.Ambedkar Inst . of Technology ) Mr.Srinivasu N ( Asst . Professor , Dept. of Mech Engineering , Dr.Ambedkar Inst . Of Technology ) on 08/03/2022.

## Industrial Visit

- HMT Limited.



Reporter : Dr. Pavan Tejasvi T, Assistant Professor

# Department of Electrical and Electronics Engineering

The Department of Electrical and Electronics Engineering (EEE) established in the academic year 1980-81 with an intake of 40 and subsequently later on enhancing 60 students in the year 1985. The Department also offers M.Tech programme with specialization in Power Electronics from the academic year 2010-11 with an intake of 18 students and affiliated to VTU, Belagavi. The Research and Development(R&D) center of the department is recognized by the VTU, Belagavi, and offers M.Sc(Engineering) by Research and PhD Program from the academic year 2008-2009. Currently 17 Research scholars are pursuing their Ph.D. in the department.



**Dr.G.V.Jayaramaiah M.E, Ph.D(IIT-B)**  
**Professor and Head**  
**hod.ee@drait.edu.in**

## **VISION**

Develop Electrical Engineers who have the ability and passion to work wisely, creatively and effectively for the betterment of human kind.

## **MISSION**

Impart technical knowledge, practical skills, leadership qualities, team spirit and ethical values.

Motivate to combine the rigor of science, the power of engineering and thrill of learning.

Inspire students to be the knowledge seekers, novel solution providers to challenges.

# Department of Electrical and Electronics Engineering

## Publications

- IOT based Condition Monitoring of Transformer, Deepti S Shastrimath, Dr. S Vasudevamurthy, Prathyusha K, Panchavati, Sushma N and Yashaswini S, IJERT, 2022, ISSN: 2278-0181
- Optimal Placement of PSO based Photovoltaic (PV) Distributed Generation (DG) in a Distribution System. Rekha C M, Dr. Shankarlingappa C B, Journal of Tianjin University Science and Technology ISSN (online): 0493-2137Vol: 55, Issue: 03:2022.

## Workshop/Conferences/Seminar/Talks Attended

Sl No.	Name of Faculty	Date and Venue	Title	Type
1	Pankaja H G	Dr. AIT, Bengaluru, 29/04/2022	IQAC Lecture series-1	Lecture series-1
2	Deepti S Shastrimath	Dr. AIT, Bengaluru, 29/04/2022	IQAC Lecture series-1	Lecture series-1
3	Harini Vaikund	Dr. AIT, Bengaluru, 29/04/2022 24th Jan 2022- 28th Jan 2022	IQAC Lecture series-1 Online Elementary FDP on "Implementation of National Education policy – 2020"	Lecture series-1 FDP

## Achievement/ Awards

- Ph.D Degree awarded: Dr. Arpitha Raju, January 2022, Visvesvaraya Technology University, Belagavi.



Reporter : Ms. Pankaja H G, Assistant Professor

# Department of Electronics and Communication Engineering

The Department of Electronics and Communication Engineering was instituted in the year 1980 with the objective of imparting knowledge in cutting-edge technologies of Electronics and Communication Technology. Ever since the inception of the department, it has been fulfilling to the needs of the students by imparting the latest and need-based technical knowledge. Presently, the department has well-qualified faculty members who have made significant contribution in various fields and have published research papers in reputed journals, International and national conferences. We encourage participation of students in various co-curricular and extra-curricular activities as well.



**Dr. Ramesh S, Ph.D.**  
**Professor & Head**  
[rameshs.ec@drait.edu.in](mailto:rameshs.ec@drait.edu.in)

## **VISION**

To excel in education and research in Electronics and Communication Engineering and its related areas through its integrated activities”

## **MISSION**

To provide students a strong foundation in Electronics and Communication Engineering.

To provide high quality technical education in Electronics and Communication Engineering discipline and its related areas to meet the growing needs and challenges of industry and society.

To be a contributor to the technology through the process of skill development, value based education, research and innovation.

# Department of Electronics and Communication Engineering

## Publications

- Design and performance analysis of high throughput and low latency double precision floating point division on FPGA, Sushmitha V Gopal and Shivaputra, Volume 13, No. 2, 2022, pp. 2302-2317. Article published in Journal of Algebraic Statistics indexed in Web of Science.
- Cloud Computing and Networking for SmartFarm AgriTech, Meenakshi L. Rathod, Shivaputra, H Umadevi, K. Nagamani and Selvakumar Periyasamy, Volume 2022, 2022, pp.1-7. Article published in Hindawi Journal of Nanomaterials indexed in SCI and Web of Science.
- A Novel Approach of Hyperspectral Imaging Classification using Hybrid ConvNet, Soumyashree M Panchal and Shivaputra, Volume 13 Issue 3, 2022. Article Published in International Journal of Advanced Computer Science and Applications (IJACSA) indexed in Web of Science.
- Comparative landmark detection on stops of dysarthric speech, S.V. Sunitha, Shivaputra, S. Soundeswaran, Volume 79, Part 1, 2022, pp. 1-9. Article published in Journal of Biomedical Signal Processing and Control indexed in SCI, Scopus and Web of Science.
- FPGA implementation of efficient I2C protocol, Dr. Shivaputra , Nasreen, Dr. Meenakshi L Rathod, Volume21 Issue1, 2022 165-2174. Published in TELEMATIQUE ISSN:1856-4194.
- Object detection using deep learning . Bhargav DR, Bhavya S, CS Kavitha Devi. National Conference on Recent Innovations in Engineering-2022 ISBN: 978-81-929425-1-3.

## Patents

<b>Application Number</b>	202241030783 A
<b>Title</b>	Smart Wheelchair for Physically Disabled People Using IOT
<b>Inventors List</b>	1) C. R. VIJAY 2) DR. LATHA P 3) DR. HARISHCHANDER ANANDARAM 4) DR. AANCHAL TEHLAN 5) K R SWETHA 6) RUPALI NARENDRA AGME 7) DR. SHIVAPUTRA 8) DR.VAISHALI N. AGME
<b>Filing Date</b>	30/05/2022
<b>Grant Date</b>	17/06/2022

# Appreciation

- Prof. Kavitha Devi C S, for being a REVIEWER for IEEE Conference.



- Dr. Shivaprakash M. gave programme about Yoga & Education in DD chandana (Namskara namma Karnataka) TV channel on 26th May 2022 in Bangalore.



# Industrial Visit

## SUPA Hydroelectric Power Generation Plant

- Department of Electronics and Communication Engineering of Dr. Ambedkar Institute Of Technology had organized a two day industrial visit to Supa hydroelectric power station built across Kalinadi or Kali river located near Dandeli.

- The 6th and 8th semester students of ECE branch visited the SUPA hydroelectric power plant on 24th June 2022. A total of 77 students and three faculty members from the college had visited.



- It is the 2nd largest dam of Asia which has 2 degree i.e. which as curve in both direction vertically and horizontally. The power house at foot of dam has 2 electricity generators of 50MW each. The purpose of the dam is production of power.

- How to Reach: The powerplant is located in the Ganeshgudi Village of Joida Taluk in the Uttara Kannada district of Karnataka. Visitors are allowed to visit this power station. You can visit this power station in the daytime. By Road, Transport buses and taxi services are available from the Uttara Kannada town to the power station. The Karwar Railway Station is the nearest railway station and Dabolim Airport of Goa is the nearest international airport.

- Project Details:

- » Hydroelectric Project Name – Supa Dam Hydroelectric Power Station Karnataka
- » Commission Date – 1985
- » Approved Capacity in MW – 100 MW
- » Installed Capacity in MW – 100 MW
- » Type of Project – Major (greater than 25 MW)
- » Status –Operational
- » Water Source – Kalinadi River
- » Basin – West flowing Rivers from Tapi and Tadri
- » Hydroelectric Basin – West flowing Rivers
- » Hydroelectric Region – South Hydroelectric Region
- » Owner – Karnataka Government
- » Operating Company – KPCL
- » Address – Ganeshgudi Village, Joida Taluk, Uttara Kannada
- » District – Uttara Kannada
- » State – Karnataka
- » Contact Number – +91 (80) 2225 6568
- » Email – ccm@karnatakapower.com
- » Website – www.karnatakapower.com
- » Beneficiary States/ Union Territories – Karnataka and other nearby States
- » Completion of Power Project– 1985
- » Number of Turbines – 2
- » Capacity per Turbine – 50 MW
- » Unit Sizes – 50 MW x 2 units
- » Type of Turbine – Francis



## ELECTROTECH 2022

Electrotech is an annual technical festival organized by the department of Electronics and Communication Engineering branch of Dr. Ambedkar Institute of Technology, Bangalore.

It was started to bring about enthusiasm in tech and encourage innovation. Since then, each year the fest is curated to strive towards inducing creativity and bringing about innovation amongst youngsters.







Students work together, understand and learn by building projects and share their knowledge with others through this platform. An event from, for and by the students, Electrotech holds up the culture of bringing collaborative and cooperative change by instilling a inquisitive mindset. With a series of technical and yet fun filled games and programmes the fest is conducted each year with renewed zeal, revering the technology for all its blessings.

For the academic year 2022-23, the annual inter-college technical event from Electronics and Communication Engineering student of the department called “ELECTROTECH 2022” organized with the great enthusiasm and determination among the new set of student coordinators, volunteers and faculty coordinators on Friday July 29th, 2022.

The objective of the Technical Event was to bring the students of various streams from different institutions on a common platform where they were encouraged to share knowledge and innovative ideas. It also aimed to exhibit the talents and skills of the aspiring Engineers both in Technical and Non-technical ways.

The guests of honors imparted their knowledge to students regarding sustainable development and reuse of semiconductor, given the world economic condition after covid, which caused a massive semiconductor shortage and creating a sustainable environment.

### **Electrotech - 2022 Initiatives:**

*Raising Awareness about Sustainable Development and Reuse of Semiconductor.*

*Improving technical skills of students through various technical events and games. Project exhibition to inspire students.*

### **INAUGURATION:**

The tech event was inaugurated by the Chief Guest Dr. Binoy Mathew (Director, Centralized Placement Cell, Visvesvaraya Technological University), Guests of Honor Dr. C.P. Dwivedi (Chairman, IETE, Bengaluru Centre), Sri. Satyanandan (Former Chairman, IETE Bengaluru Centre). Presided by Sri. A.R. Krishnamurthy (Secretary, PVP Welfare Trust), Dr. M. Meenakshi (Principal, Dr.AIT), Dr. Mahalinga V Mandi (Dean P&D, Dr.AIT), Dr. K.N. Anuradha (Dean Academic, Dr.AIT), Dr. Ramesh S (Professor & HOD, ECE Department)

The event was started with introduction to ELECTROTECH 2022: “LETS INTEGRATE THE WORLD” with this as our motto the inquisitive and restless minds behind ELECTROTECH have been successful in redefining the word Tech event. Electrotech strikes with a right chord in a magnitude so large that it astounds and amazes everybody. The college provides a stimulating environment for analytical thinking towards creativity and intellectualism. It also encourages growth and development in accordance with the noble Indian Culture and tradition. The event was successful enough to attract as many as 700 registrations for daylong event. The event was executed with a total of 12 technical games, a well planned and organized at its best of quality. Focusing on the types of technical games which is to be included in the event was decided by the event coordinators keeping the interest and need of the student into consideration, with little emphasis on the fun full games behind the scene.

The event in the auditorium was started with the video tape which cherished the memories of previous year’s ELECTROTECH and the events of this year ELECTROTECH.

**Reporter : Ms. Shwetha M, Assistant Professor**

# Department of Electronics and Instrumentation Engineering

Department of Electronics and Instrumentation Engineering, established in the year 1986, has been accredited by NBA and certified by ISO 9001: 2008 quality management System. The department has sanctioned intake of 60 students for under graduation and has R& D center recognized by VTU Belgaum. The department has well established laboratory facilities for both teaching and research, the department has R & D center to carry out the research. The department has MOU with international companies. The department has experienced a continued improvement of faculty .The synergy of the progressive management, committed faculty, staff, and students are ensuring in excellent academic results year after year.



**Dr. Ganapathi V Sagar . M.Tech, Ph.D**  
**Professor & Head**  
**ganapathi04.ei@drait.edu.in**

## **VISION**

To develop globally competent Electronics and Instrumentation Engineers with societal, environmental and human values through quality education, training and research

## **MISSION**

To educate the students with the state of art technologies to meet the growing challenges of the industry and society

To carry out research through constant interaction with research organizations and industry.

Inculcate in students the lifelong learning attitude and passion for serving the society with moral and ethical value

# Department of Electronics and Instrumentation Engineering

## Publications

- Mr. Prasanna Kumar M, Assistant Professor, Department of EIE, Dr AIT published a paper “Development Of A Hand-Held Device For Automatic License Plate Recognition” in the international journal “International Journal of Advances in Engineering and Management” during January 2022 with ISSN:2395-5252 and Impact factor:7.429
- Dr. Shubha P, Assistant Professor, Department of EIE, Dr.AIT publish a paper “ Development of a Real Time Wi-Fi based Autonomous corona warrior Robot” Proceedings in Adaptation, Learning and Optimization, vol 15. Springer, Cham. [https://doi.org/10.1007/978-3-030-97196-0\\_22](https://doi.org/10.1007/978-3-030-97196-0_22) on 24-03-2022 indexed by Scopus.

## Students Activities

Students from our department are involving themselves in social activities. Some students of EIE department are working as volunteers in Youth of Parivarthan where social activities will be carried out.



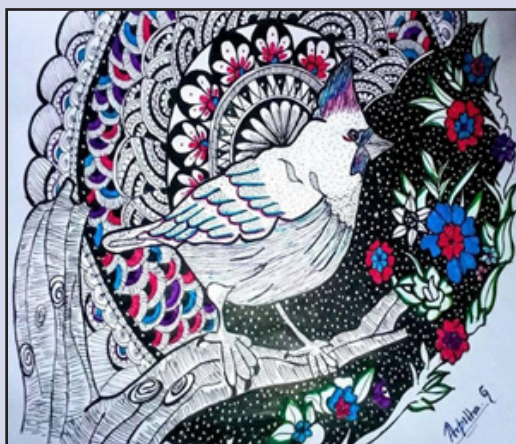
As part of our International Women's Day celebration we had an awareness campaign was held regarding sustainable and eco-friendly menstruation wherein volunteers Ms Apritha Guruprasad introduced the participants to cloth pads and menstrual cups.



Students from 8th semester involved themselves in cleaning the roads and painting the road side walls at sarakki signal on Dr.Puneeth Rajkumar road.



Orphanage visit by students of EIE



At the end of the session the participants pledged to #BleedGreen!  
Sketches from Arpitha, 8th semester EIE department:

**Reporter : Ms. Hamsa Rekha S D, Assistant Professor**

# Department of Computer Science and Engineering

Welcome to the Department of Computer Science and Engineering at Dr.Ambedkar Institute of Technology, Bengaluru. The department was established in the year 1987. It presently offers B.E., M.Tech. and Ph.D. degree programmes. The department attracts talented students from all over India and abroad. The department has a vibrant student body numbering around 800 and faculty numbering nearly 36. Postgraduate students and Ph.D. scholars are supported by TEQIP, Government of India scholarships and research projects.

The department is actively engaged in research activities in various research areas and has been funded by several Government organizations such as the Department of Science & Technology (DST), All India Council for Technical Education (AICTE) and Vision Group on Science and Technology (VGST).



**Dr. Siddaraju**  
Professor & HEAD  
[siddaraju.cs@drait.edu.in](mailto:siddaraju.cs@drait.edu.in)

## VISION

The Department of Computer Science and Engineering is envisioned to have global excellence in teaching IT and molding the overall personality of graduates through an expertise teaching and research environment so as to serve the society.

## MISSION

To impart technical knowledge and skills systematically in various fields of Computer Science & Engineering to equip students for IT industry and/or pursue higher studies.

To actively associate with IT industry and networked institutes, so as to progress in research work with exchange of ideas and needs.

To instill leadership qualities, entrepreneurial skills and strong ethical values to craft better mankind for working towards the overall progress of the society.

# Department of Computer Science and Engineering



## WEBINARS

- Dr. K R Shylaja, Professor, Dept. of CSE, Ms. Veena Potdar, Associate Professor, Dept. of CSE, Ms. Aska K.N., Assistant Professor, Dept. of CSE, Ms. Aska Rani K P, Assistant Professor, Dept. of CSE and Ms. Lavanya Santhosh, Assistant Professor, Dept. of CSE has coordinated a webinar on “Enrich your ideas to be an Entrepreneur tomorrow” - Don’t Dream... Just do it !! organized by the Department of Computer Science & Engineering and ACTS - The Startup Cell, in association with ISTE on 26th Feb 2022.

## WORKSHOPS ORGANIZED

<b>Workshop Title</b>	Introduction to Graphics on Web”
<b>Type</b>	Workshop under Student’s Innovation Club
<b>No. of Days</b>	One Day
<b>Date</b>	30th April, 2022
<b>Coordinators</b>	Dr. Asha, Prof. Srinivasa A H, Prof. Asha Rani K P, Prof. Praveena M V, Prof. Veena A, Prof. Shalini N, Prof. Tejaswini K and Vinutha H

## MOU’S

Logo	Company Name	Address	Duration	Type
Department MoU Coordinator: Ms.Asha Rani K. P., Assistant Professor, Dept. of Computer Science and Engineering, Dr.AIT, Bengaluru – 560056				
	Edunet Foundation	A-11- 1105, Arcadia South City 2, Gurgaon 122018, India v	29/04/2022 to 29/04/2023	Corporate Training and Internship Opportunities
	Nikhilon India Pvt Ltd, Bengaluru	1st phase, 593, “NAVANEETH”, 2nd Floor, 27th Main Rd, Stage 2, BTM Layout, Bengaluru, Karnataka 560076	29/06/2022 To 28/06/2023	Internships for students.

## Patents

<b>Patent Number</b>	2021103367
<b>Title</b>	A Big Data Analytics System for Performing Real-Time Analysis for the Wellness of a User
<b>Inventors List</b>	Dr.Gowrishankar S., Ms.Veena A., Mr.Srinivasa A. H., Dr.Asha
<b>Filing Date</b>	15th June 2021
<b>Grant Date</b>	16th March 2022
<b>Jurisdiction</b>	Australia
<b>Domain</b>	Big Data Analytics

<b>Patent Number</b>	2021103285
<b>Title</b>	Unmanned Aerial Vehicle Based Medicinal Plant Classification System
<b>Inventors List</b>	Dr.Gowrishankar S., Ms.Veena A., Dr.Asha, Mr.Srinivasa A. H., and Dr.Siddaraju
<b>Filing Date</b>	10th June 2021
<b>Grant Date</b>	23rd March 2022
<b>Jurisdiction</b>	Australia
<b>Domain</b>	IoT and Machine Learning

<b>Patent Number</b>	389581
<b>Application Number</b>	202141015896
<b>Title</b>	A Floating Platform System for Remotely Monitoring and Analyzing the Quality of Water Bodies
<b>Inventors List</b>	Dr.Siddaraju, Dr.Gowrishankar S. and Mr.Srinivasa A. H.
<b>Filing Date</b>	05th April 2021
<b>Grant Date</b>	17th February 2022
<b>Jurisdiction</b>	India
<b>Domain</b>	Internet of Things

## Consultancy

<b>Ref No</b>	Dr.AIT/CSE/747/2021
<b>Consultancy Title</b>	Development of tools for diagnosis and extraction of information about the various machinery in the factory for enhanced productivity.
<b>Company Name</b>	Samrudhi Corrugated Boxes and Paper Boards, Plot No. 5-A8 & 5-A18, Hitech Defense & Aerospace Park, Hardware Sector, KIADB Industrial Area, Bengaluru – 562149, Karnataka, India.
<b>Consultancy Agency</b>	Dr.Ambedkar Institute of Technology, Bengaluru - 560056, Karnataka, India.
<b>Consultants</b>	<p>Dr.Gowrishankar S., Professor, Department of Computer Science &amp; Engineering, Dr.Ambedkar Institute of Technology, Bengaluru – 560056, Karnataka, India.</p> <p>Ms.Veena A., Assistant Professor, Department of Computer Science &amp; Engineering, Dr.Ambedkar Institute of Technology, Bengaluru – 560056, Karnataka, India.</p> <p>Ms.Asha Rani K. P., Assistant Professor, Department of Computer Science &amp; Engineering, Dr.Ambedkar Institute of Technology, Bengaluru – 560056, Karnataka, India.</p> <p>Mr.Srinivasa A. H., Associate Professor, Department of Computer Science &amp; Engineering, Dr.Ambedkar Institute of Technology, Bengaluru – 560056, Karnataka, India.</p> <p>Mr.Praveena M. V., Assistant Professor, Department of Computer Science &amp; Engineering, Dr.Ambedkar Institute of Technology, Bengaluru – 560056, Karnataka, India.</p>
<b>Started On</b>	February, 2022
<b>Completed On</b>	April, 2022
<b>Duration</b>	2 Months
<b>Amount</b>	₹ 50000

## Inter-Collegiate Projects

- Students exhibited their project in “Don Bosco Institute of Technology” and earned first place in the Second National Level Inter College Project Competition (Online), “DBIT TEXPO-2022 organised by the department of Research and Development, DBIT, Bengaluru in association with Karnataka State council for Science and Technology and Karnataka Science & Technology Academy, Govt. of Karnataka held on 20th July 2022 under the guidance of Dr. Smitha Shekar B and Dr. Harish G.



## Funded Project for Students

<b>Project Title</b>	Skin Pigmentation Classification for Malignant Skin Lesions
<b>Ref No/Grant No</b>	45S_BE_4146
<b>Funding Agency</b>	KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY (KSCST), Indian Institute of Science Campus, Bengaluru – 560012, Karnataka, India.
<b>Students</b>	Ms. Vindhya J, Ms. Manisha H Dongre, Ms. Pooja C.,
<b>Project Guides</b>	Mr.Srinivasa A. H., Dr.Gowrishankar S.
<b>Started On</b>	11th May 2022
<b>Duration</b>	2 Months
<b>Amount</b>	₹ 6,000
<b>Completed On</b>	03rd July 2022.

## Faculty Outreach Activities

- Dr. Smitha Shekar B. delivered a talk on IEEE-VTS-VANETs in HetNets-An Usecase driven approach IEEE Bangalore Section, VTS(Vehicular Technology Society),Bangalore. 18.02.2022
- Dr. Smitha Shekar B. was the resource person on 10.06 2022 and 11.06.2022 for Five Day Bridge Course on “OBJECT ORIENTED PROGRAMMING USING JAVA AND PYTHON WITH HANDS-ON”. Title: Java Programming For Beginners VKIT, Kumbalagodu, Bengaluru 08.06.2022 to 13.06.2022

**Object Oriented Programming**

Registration Fee  
Registration fee for 4<sup>th</sup> semester ISE and AIE ML

Course  
CSE/ISE Block

**IMPORTANT DATES**  
Last date to submit the registration form is 08.06.2022

**VIVEKANANDA INSTITUTE OF TECHNOLOGY**

**REGISTRATION FORM**  
FIVE DAY BRIDGE COURSE  
ON  
"Object Oriented Programming using Java and Python with hands on"  
18<sup>th</sup> to 19<sup>th</sup> June 2022

1. Name  
2. USN  
3. Email ID  
4. Phone No

Date: \_\_\_\_\_  
Signature of the applicant

**Importance Bridge Course**  
The main objective of the course is to bridge the gap between industries and academic they would be studying in Graduation. The purpose of a Bridge Course is to help students to develop their academic skills and knowledge. In this Bridge Course the students are learning the concept of Object Oriented programming and topics to be covered are:

- Introduction to Object Oriented Concepts
- Class and Objects (const)
- Classes, Inheritance, Exception Handling;
- Packages and Interfaces.
- Event Handling

**Speakers:**  
Dr. Vishwa Kiran S. Associate Professor, Department of AI&ML, BMSIT, Bangalore  
Dr. Smitha Shekar B. Associate Professor, Department of CSE, Dr.AIT, Bangalore  
Mr. Karthik and Mr. Prashanth  
88 Semester ISE, VKIT

## Publications

- Dr.Madhu B, Manish Thapa, Bishal Rauniyar, Nitish Chaudhary, Kishan Kandu published a technical paper “ An approach of Deep Learning Neural Network model for Image Security “ in International Journal for Research in Applied Science and Engineering Technology (IJRASET) paper id: IJRASET44967,Volume 10, Issue VI, June 2022,ISSN:2321-9653,DOI:10.22214.
- Dr. Ravikumar J.,Swetha R., Sharada K. A., Chetana Srinivas, Achyutha Prasad N., Piyush Kumar Pareek published a paper on “Implementation of Blockchain Security for Cloud and IOT Environment“ in Neuro Quantology in June 2022, Volume 20, Issue 6, Page No. 7547 - 755, eISSN 1303-5150, Doi: 10.14704/nq.2022.20.6.nq22755.

Reporter : Ms. Lavanya Santhosh, Assistant Professor

# Department of Information Science and Engineering

The Department of Information Science and Engineering (ISE) was established in the year 1992 affiliated to Bangalore University with an intake of 30. In 1998, the college was affiliated to Visvesvaraya Technological University (VTU), Belagavi.

The intake of students was enhanced to 60 in the year 2000. The UG course has an intake of 60 students and 10% lateral entry students. The department has been accredited by the National Board of Accreditation (NBA), New Delhi since 2004. ISE department has obtained academic autonomous status under VTU, Belagavi in the year 2010. The PG course M.Tech in Computer Networking and Engineering was started in the year 2013 with the intake of 24 and M.Tech in Cyber Forensics and Information Security was started in the year 2018 with the intake of 18.



**Dr. M.V. Vijayakumar,**  
**M.Tech(NIT-K), Ph.D (London), P.G.C.R.T (Research)**  
**Professor and HOD, ISE**  
**[dr.vijay.research@gmail.com](mailto:dr.vijay.research@gmail.com)**

## VISION

Imparting quality technical education and preparing professionals to meet Information Technological challenges globally.

## MISSION

Prepare highly capable Information Science engineers through best practices.

Encourage students to pursue higher education for further growth in the learning process and to promote research in the frontier areas of Information Technology.

Educate students to take up social and professional responsibilities with ethical values for the betterment of the society.

# Department of Information Science and Engineering

## Publications

- Nandini Prasad K S et al., Deep Transfer Learning Approaches in Performance Analysis of Brain Tumor Classification Using MRI Images, Journal of Healthcare Engineering, Hindawi Limited, Egypt, Volume 2022, Article ID 3264367, March 2022, pp.1-17. (Q2 Journal)
- Nandini Prasad K S et al. Farmer's Friend: Conversational AI BoT for Smart Agriculture, Journal of Positive School Psychology, Turkey, Vol. 6, No. 2 (2022), ISSN: 2717-7564, March 2022, pp.2541 – 2549 (Q2 Journal)
- Nandini Prasad K S et al. Multi Objective Energy based Hybrid Optimization Algorithm for Clustering and Routing in WSN, Journal of System and Management Sciences, China, Vol. 12 (2022), No. 1, ISSN 1816-6075 (Print), 1818-0523 (Online), pp. 480-497, DOI:10.33168/JSMS.2020.013 ( Q3 journal).
- Satish B Basapur, B S Shylaja, Venkatesh(2022) S-CPM:Semantic-Similarity Cluster based Privacy Preservation Model with Cell Generalization Principle published in Science Publications , JCS, March 2022
- Keerthana P, Apoorva DB, Pavithra SR, Yashaswini H, Vijayalaxmi R Patil, Vidyarani HJ , “ MILITANT DETECTION BASED ON VISUAL QUESTIONING AND ANSWERING”, International Research Journal of Modernization in Engineering Technology and Science, Volume:04/Issue:07/July-2022, Impact Factor- 6.752, e-ISSN: 2582-5208, pp.1679- 1684
- Akula Gokul, Aditya Dixit, Atul Tripathi, Shitanshu Ranjan Srivastava, Malathi. P, “Playing Games Using Hand Gesture Recognition” at International Research Journal of Modernization in Engineering Technology and Science , Volume:04/Issue:07/July-2022 Impact Factor-6.752 , e-ISSN: 2582-5208 pg 662-668
- Vidya E. V., B. S. Shylaja. (2022), DSACSS: Deep Learning-based spectrum allocation with cooperative spectrum sensing for cognitive WSNs, International Journal of Advance Research, Ideas and Innovations in Technology, www.IJARIIT.com. Volume-8, Issue2, 202,12 April, 2022.
- Chaya.K, Shylaja.B.S (2022)”Survey on Energy efficient Routing Protocols un Wireless Sensor Networks” published in 2nd International Conference on Soft Computing for Security Applications (ICSCS 2022) Springer 2022, April 21-22.

## Books/Book Chapters

- Dr.B.S. Shylaja : Book chapter has been published in the book titled “Big Data, Cloud Computing and IoT: Tools and Applications” to be published by CRC Publications.
- Divyashree N, Dr. Nandini Prasad K.S, Cognitive Computing Technologies, Products and Applications, Data Engineering and Communications Technologies (Book Chapter) , Vol. 53, Springer, Singapore. [https://doi.org/10.1007/978-981-15-5258-8\\_64](https://doi.org/10.1007/978-981-15-5258-8_64), pp.677-701.

## Workshops/Conf. /Seminars / Talks Attended

- Dr.Nandini Prasad K S has attended following webinars:
  - » Two days online workshop on National Cyber Safety and Security Standards in association with National Cyber Defence Research Center (NCDRC) organized by Bapuji Institute of Engineering and Technology , Davanagere from 6/1/2022 to 7/1/2022.
  - » Webinar on Live NAAC Software product Demo - Ki-NAAC Software by Kramah Software Pvt. Ltd. 7/4/ 2022.
  - » Faculty Training Program on Industry 4.0 organized by IEEE India Council during April 2nd and 3rd,2022.
- Dr.Shilpa Biradar , Mrs. Vijayalaxmi R. Patil, and Mrs. Pushpalatha S and have attended Five Day Online Symposium on Emerging Tools –IBM cloud , Design Thinking, Block chain ,Artificial Intellince & Cyber Security from 28 March ,2022-01 April 2022, organised by Dr.AIT in collaboration with IBM India Pvt Limited
- Mrs. Pushpalatha S attended One Week AICTE – VTU Joint Teachers Training Programme on An Overview of Teaching Techniques in Social Connect and Responsibilities between 07th & 11th March 2022 Organized by VTU Human Resource Development Centre (VTU - HRDC).
- Mrs. Malathi has attended ATAL Academy Online Elementary FDP on Smart cities for sustainable development at Motilal Nehru National Institute of Technology Allahabad from 07/03/2022 to 11/03/2022 .

---

## Student Activities

- Graduate Exit Survey (GES) data was collected from 8th sem students.
- Alumni suvey was collected
- CIE and SEE are conducted as per the schedule.
- 8th semester sendoff was organized at the department.
- BoS (Internal) was conducted and BoE was held for 2021-2022.
- 8th semester students have completed their internship and have published papers at journal
- 8th semester students have registered for Dr.AIT Alumni Network (ALMABASE)

### Research Scholar Activities Details:

- Dr.M.V.Vijayakumar: Guiding one full-time research scholar under VTU from 2022
- Dr.B.S. shylaja: Three PhD scholars have completed Open seminars 1 & 2
- Dr.Nandini Prasad K S: One PhD scholar has completed Open seminar 2 and three have completed open seminar 1
- Dr.Shilpa Biradar: Guiding one part-time research scholar under VTU from 2022

## Achievements/Awards

- Dr.Nandini Prasad K S was awarded National Faculty Award 2021-2022 from Novel Research Academy was awarded “ Best Woman Faculty Award” on 7/1/2022.

## Patents

- Dr.Nandini Prasad K S has filed a patent: Application Number: 202241026512 A; Date of Filing: 15/05/2022 Title of Invention: Design Of Food Ingredient Dispenser For Feeding and Cooking- (Design Patent)

## Others

- Dr.M.V.Vijayakumar has attended following meetings from Jan.2022 to July 2022 as:
  - » Staff Selection Committee Member Karnataka State Open University, Mysore
  - » Academic council member PES Mandya
- Dr.B.S.Shylaja has:
  - » BoE member at Department of Computer Science and Engineering , BMS college of Engineering, Bangalore on 31/3/2022
- Dr. Nandini Prasad K S has:
  - » Delivered talk on NAAC for Dr.AIT NAAC department coordinators on 7/4/2022 as per directions from Principal.
  - » Cleared Deep Learning exam from NPTEL, IIT Madras in April 2022

**Reporter : Dr.Nandini Prasad K S, Assistant Professor**

# Department of Medical Electronics

The department of Medical Electronics was established in the year 1999, with a sanctioned intake of 30. Our Vision is to provide a holistic training through which the students nurture innovative ideas and contribute in the design and development of medical devices for the benefit of the society. The department has highly qualified and well experienced faculty and skilled technical staff. The focus research areas are Biomedical signal processing, IOT in health care, Medical Imaging and Developing Medical Devices.



**Dr. A. P. Manjunatha**  
Associate Professor & Head  
[manjunatha\\_ap.ml@drait.edu.in](mailto:manjunatha_ap.ml@drait.edu.in)

## **VISION**

To be a part of the fast changing medical devices industry in India and help India raise to the status of a global leader in health care

## **MISSION**

To promote education and research that blends engineering and medicine

To nurture and motivate younger generation to innovate and to realize an affordable technology for the larger Indian population.

# Department of Medical Electronics

## Workshop/Conferences/Seminars/Talks Attended

- Research under the lens of NEP on 4/8/2022 at Dr. Ambedkar Institute of Technology, Bengaluru. Dr. A P Manjunatha, Dr. D K Ravish. Dr. Nayana R Shenoy and Smt. Kamala C.

## Industrial Visit

- S-Vyasa Research Centre, Jigani on 2/4/2022.

## Student Activities

- Final year students Internship at BGS Global Institute of Medical Science& Hospital, Bengaluru from 7/2/2022 to 14/2/2022.

## Others

- Training on Biomedical equipments at BGS Global Institute of Medical Science& Hospital, Bengaluru from 7/2/2022 to 14/2/2022. Dr. D K Ravish and Mr. Prabhuswamy J.



Reporter : Dr. Nayana R Shenoy, Assistant Professor

# Department of MCA

The Master of Computer Applications program was accredited by National Board of Accreditation(NBA). This program was established in the year 1999 and is the first PG program started in Dr. Ambedkar Institute of Technology, which is affiliated to Visvesvaraya Technological University, Belagavi and Approved by All India Council for Technical Education(AICTE). Currently, this department is offering one PG program and one Ph.D. program in various specializations of Computer Applications, The MCA program received academic autonomy in the year 2016. There has been an increasing trend in the number of students getting placed in National and International IT companies and in top corporate bodies during the recent past. The faculty members are highly qualified and experienced with Doctorate degrees. The department is having five doctorate degree holders guiding 10 research scholars for their PhD degrees. The Department is equipped with state-of-the-art infrastructure and computing facilities with High-speed Internet facility.



**Dr. Chandrakanth G Pujari**  
Professor & Head  
varuncp@rediffmail.com

## **VISION**

To create a quality human resource with good technical competence to face the global challenges.

## **MISSION**

To create a centre of Excellence through industry institute interaction.

To impart industry-relevant skills to the students.

To inculcate a sense of commitment to the students towards socio-economic development of the Nation.



## Publications

- Dr. Chandrashekar G. Pujari has published an article “Recognizing Lean Six Sigma Software Project Manager By Fuzzy Methodology in Software Industry” in an International Journal of Scientific Research in Engineering and Management (IJSREM) Volume 06, Issue 02, Feb 2022.
- Dr. Chandrashekar G. Pujari has published an article “Human Activity Recognition” in an International Research Journal of Modernization in Engineering Technology and Sciences (IRJMETS) Volume 4, Issue 06, June 2022.
- Dr. Chandrashekar G. Pujari has published an article “Fingerprint Based Vehicle Theft Security System” in an International Research Journal of Modernization in Engineering Technology and Sciences (IRJMETS) Volume 4, Issue 07, July 2022.
- Dr. Bharathi S and Shobharani B R has published an article “Soft Computational Techniques to discover unique and precise knowledge from Big Data”, Springer, 01 January 2022, Online ISBN 978-3-030-91305-2
- Dr. Bharathi S and Shobharani B R has published an article “Number Plate Recognition in Dense Traffic” AI in cyber Security Book Chapter CRC Press Tylor and Francis.
- Dr. Bharathi S and Shobharani B R has published an article “Deep Learning Techniques to Automate Grading of Human Embryos” in ICRTCSA -2022
- Dr. Bharathi S and Shobharani B R has published an article “Deep Learning Methods to Automate Embryo Detection” In the Book Chapter CRC press Tylor and Francis.
- Mrs. Anitha J Assistant Professor has published the paper “Asstive Device for People with Visual Impairment” in the EPRA International Journal of Multidisciplinary Research (IJMR) Volume 8, Issue 7, July 2022.
- Mrs Shailaja L K Assistant Professor has published the paper entitled “An IOT Based Remote Heart Rate Variability Monitoring System for Hypertensive Patients” in the EPRA International Journal of Multidisciplinary Research (IJMR) Volume 8, Issue 7, July 2022.
- Dr. Kavyashree N Assistant Professor has published the paper entitled “Online Examination Portal”, in the International Research Journal of Innovation in Engineering and Technology (IRJIER) volume 6, Issue 6, pp 202-204, June 2022.

## Workshop Attended

- Dr.Indumathi.S.K, has attended six days workshop on “International Faculty Development Programme on Mathematical Modelling of Biosystem with special focus on Epidemiology” Organized by Mizoram University during 22-27 August 2022.
- Kavyashree N and Anitha J has attended the 5 days FDP on “Application of Machine Learning Algorithms in Aerospace Engineering” Held on 11-15 July 2022, Organized by the School of Aeronautical Engineering, Bharath Institute of Higher education and Research, Chennai,India.

## Workshop Organized

- With IBM India Pvt Ltd MCA department has organized the on-line 5-days Symposium on “Emerging Technologies” from 28th of March to 1st of April.

**Chief Convener**  
Dr. M. Meenakshi  
Principal, Dr. AIT

**Convener**  
Dr. M.V. Vijay Kumar  
Vice Principal & HOD-ISE, Dr. AIT

Dr. Gowrishankar S  
Dean(II), Dr. AIT

**Chief Coordinators**  
Dr. Siddaraju  
HOD-CSE, Dr. AIT

Dr. Chandrakanth G Pujari  
HOD-MCA, Dr. AIT

**Who can register?**  
All faculties and research scholars can attend

**How to attend?**  
Join through GOOGLE MEET which will be sent to your registered mail id

**E-certificates will be issued to all participants after successful completion of symposium**

**Coordinators**  
Dr. Bharathi, S  
Professor, Dept. of MCA  
9902084476

Mrs. B. R. Shobha Rani  
Associate Professor, Dept. of MCA  
9740098198

**Dr. Ambedkar Institute of Technology, Bengaluru-56**  
(An Autonomous Institution, Affiliated to VTU, Approved by AICTE, Accredited by NAAC with A grade)

In collaboration with IBM India Pvt. Ltd.

Organising  
**Online 5-day Symposium**  
on  
**EMERGING TECHNOLOGIES**  
under  
**An IBM Academia Initiative**  
From 28<sup>th</sup> March -1<sup>st</sup> April, 2022  
10.00 am-12.00 noon

Register using Link/QR-code  
<https://forms.gle/rdPcnGqZhAtGBuZEA>

Day 1 28-03-2022 Monday	<b>IBM CLOUD</b> Resource Person Ms. Divya Lokesh Delivery Specialist & Credentials Program Manager, Education Services, AI Applications	
Day 2 29-03-2022 Tuesday	<b>DESIGN THINKING</b> Resource Person Mr. Krishnakanth Naik Team Lead, AI Apps Division	
Day 3 30-03-2022 Wednesday	<b>BLOCK CHAIN</b> Resource Person Mr. Sathyan Jakkula Senior Program Manager - IBM Cloud	
Day 4 31-03-2022 Thursday	<b>ARTIFICIAL INTELLIGENCE</b> Resource Person Ms. Ashwiniyys Software Engineer, AI Apps Division	
Day 5 01-04-2022 Friday	<b>CYBER SECURITY</b> Resource Person Ms. Vani Mittal Senior Technical Specialist, IBM Public Cloud	

- With IBM India Pvt Ltd MCA department has organized the 3-days Workshop on “Cloud Computing, Block chain and Cyber Security” from 17th of August to 19th of August.

**Chief Convener**  
Dr. M. Meenakshi  
Principal, Dr. AIT

**Convener**  
Dr. M.V. Vijay Kumar  
Vice Principal & HOD-ISE, Dr. AIT

**Chief Coordinators**  
Dr. Chandrakanth G Pujari  
HOD-MCA, Dr. AIT

**Coordinators**  
Dr. Bharathi, S  
Professor, Dr. AIT

Mrs. Shobha Rani, B. R  
Associate Professor, Dr. AIT

**Dr. Ambedkar Institute of Technology, Bengaluru-56**  
(An Autonomous Institution, Affiliated to VTU, Approved by AICTE, Accredited by NAAC with A grade)

In collaboration with IBM India Pvt. Ltd.

Organising  
**3-day Workshop**  
on  
**Cloud Computing, Block Chain & Cyber Security**  
under  
**An IBM Academia Initiative**  
From 17<sup>th</sup> August -19<sup>th</sup> August, 2022  
2.00 p. m to 4.00 p. m

## Memorandum of Understanding (MOU)

- The Department of MCA has entered into a Memorandum of Understanding (MOU) on 1st January 2022 to December 2022 with IBM Academia Initiative is providing Workshop, webinar to students, to facilitate the faculty members of MCA department.

## Talks Organized

- Mr. Ananthachethan H, Technical Consultant from CISCO India Pvt Ltd Bengaluru, Alumni of MCA program has given a talk on “All about Networks” for the MCA II semester students organized by Dr. Indumathi and Dr.Dharani.



**Reporter : Dr. Kavyashree N, Assistant Professor**

# Department of MBA

The department of MBA was established in the year 2001 and offering major core courses and elective courses covering production, marketing, finance, human resource, international business, entrepreneurship, banking, insurance, technology and operations. The MBA programme is affiliated to Visvesvaraya Technological University (VTU) and approved by All India Council for Technical Educations (AICTE). The MBA program received the academic autonomy in the year 2016. Our curriculum is very unique and designed to cover the academic, industry and research components in all the courses offered in the program.



**Dr. S.Baskaran**  
Associate Professor & Head  
[rsbkaran.mba@drait.edu.in](mailto:rsbkaran.mba@drait.edu.in)

## **VISION**

To be the top business school recognized globally for excellence in the creation of intellectuals, dynamic management professionals, entrepreneurs and responsible citizen

## **MISSION**

To bring about constant and continuous improvement in the Quality of Education imparted and turning out high quality professionals.

To build balanced and globally competitive personality through regular monitoring of the academic and administrative activities.

To train future global business leaders with cutting edge management skills and bridge the gap between management theory and practice.

## Publications

- Dr. Baskaran S & Ms. S Kavitha has published paper: (Conference Proceedings).

A Study on Customer Perception & Satisfaction towards Pantaloon's Fashion and Retail Ltd, Bangalore	New trends and Challenges in Business and Management Innovation organized by Nehru Arts and Science College, Coimbatore	ISBN: 9789392045332	10th February 2022 Pp 133-145
---	---	---------------------	----------------------------------

- Ms. S Kavitha has published a paper titled "A Comparative Study on the Perception of Customers towards Airtel and Jio mobile network services with Reference to Mysore" in an UGC Care approved Group II Journal - Gradiva Review Journal, Volume 8, Issue 2, Feb 2022. IF 6.1. pg 143-151. ISSN: 0363-8057.

## Workshop/ Conference/Seminar/Technical talks Attended

- Dr. S Baskaran, Ms. Vidya R & Ms. S Kavitha participated in:

6th National level Techno-Exhibition -2022 (Organiser)	Dr.Ambedkar Institute of Technology, Bangalore	13th April 2022
IQAC Lecturer series - 1	Dr.Ambedkar Institute of Technology, Bangalore	29th April 2022

- Dr. Baskaran S & Ms. S Kavitha has participated in an International e conference & presented a paper on:

A Study on Customer Perception & Satisfaction towards Pantaloon's Fashion and Retail Ltd, Bangalore.	Nehru Arts and Science College, Coimbatore	10th Feb 2022
--	--	---------------

- Dr. Leela M H participated in:
  - » Attended AICTE-ISTE approved Orientation/Refresher programme on “Data Science and its Applications” held during 30th Dec 2021 to 5th Jan 2022 organized by Abha Gaikwad-Patil College of Engineering, Nagpur, and Maharashtra.
  - » Participated online FDP on “New Paradigms of Management Education in Next Normal”, organized by the Department of Management Studies in Association with IQAC, Ramaiah Institute of Technology, Bangalore from 7th to 12th February, 2022.
  - » Participated One Week AICTE-VTU Joint Teachers Training Programme on “An Overview of Teaching Techniques in Data Science and Analytics” between 25th & 29th April 2022 Organized by VTU Human Resource Development Centre (VTU - HRDC), Centre for PG Studies, VIAT, Muddenahalli, Chikkaballapur (Dist.).

## Lecture/Talk delivered outside

- Dr. Baskaran S has been Invited to deliver a talk on:

“Entrepreneur Skills, Attitude and Behavioral Development”	KSR College of Arts and Science, Tiruchengode	26th Feb 2022
“Capital Market and Young Investor”	KSR College of Arts and Science, Tiruchengode	16th March 2022
“Social Cost Benefits and Project Cash Flows”	Dr. NGP Arts and Science College, Coimbatore.	17th March 2022

## Industrial Visits

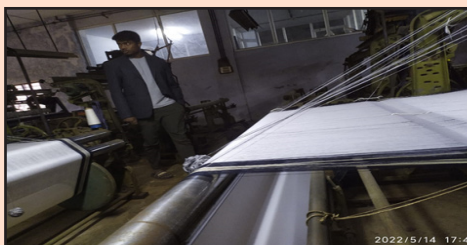
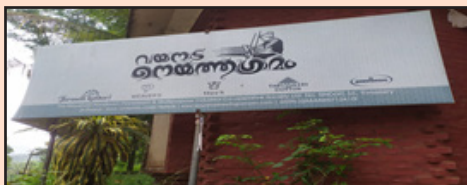
- Industrial Visit has been organized to I semester MBA students to Seetha Ice Creams Private Limited brand “Diary Rich” on 25th March 2022.



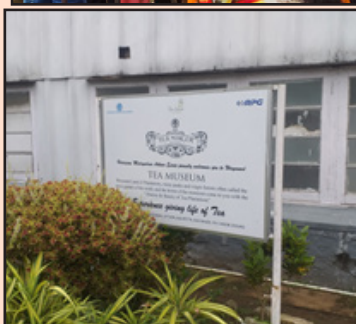
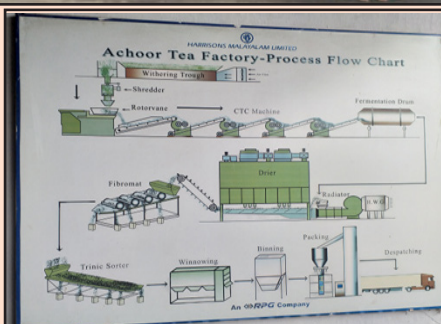
- Industrial Visit has been organized to I semester MBA students to Unibic Biscuits India Pvt Ltd and Emmvee Solar Systems Pvt. Ltd. On 13th May 2022.



- Organized Industrial Trip to I Semester MBA Students to Wayanad, Kerala. The industrial trip had been organized to fourth semester students of MBA from Friday, 13th May 2022 to Monday, 16th May 2022 to Wayanadu, Kerala. There were 23 students and 2 faculties were joined the industrial trip. The students were taken to three industrial visits on 14th May and 15th May 2022.
- Day1 : On Saturday, 14th May 2022, the students visited “The Wayanad Handloom Powerloom & Multipurpose Industrial Cooperative Society Ltd” at Thrissilery. The students were exposed to various departments, Handloom and Powerloom machineries and its functions in the organization.



- Day 2: On Sunday, 15th May 2022, the students had visited “Harrisons Malayalam Ltd, Surya Premium CTC Tea, Achoor Estate, Wayanad. The students visited tea factory and museum. They could gain knowledge on Tea Powder production and its process from stage to stage thoroughly from Tea leaf to Tea powder.



## Achievements/Awards

- Dr. Baskaran S has published a Book on “Sales and Distribution Management”, KAAV Publications, 2022, ISBN: 978-93-91842-42-0.
- Dr. Shailaja M L & Ms. Vidya R Co- authored a Book on “Security Analysis and Portfolio Management” published by Scientific International Publishing House, First edition, Jan 2022., ISBN: 9789392992674.
- Dr.Susheela Devi B Devaru & Ms. S Kavitha Published a book titled “Principles of Marketing and Services”, First Edition, INSC International Publishers, Imprint IIP, Feb 2022, ISBN : 978-1-68576-255-1.

## Others

- NPTEL/SWAYAM: Ms.Kavitha S Certified from NPTEL for passing the course title “Integrated marketing Communication” with a score of 76% ( Jan – Apr 2022, 12 Week Course).
- Dr. Leela M H attended Faculty Development Programme, NPTEL online certification on “Business Law for Managers” secured Elite+Gold, 8 week course from January to March 2022.

**Reporter : Ms. S. Kavitha, Assistant Professor**



# Department of Mathematics

The Department of Mathematics teaches UG and PG courses. Five of our faculty members guide the students for research work leading to Doctoral degree. The Department has a well-established research centre recognized by VTU and so far 46 candidates have received their Doctoral degree awards from this research centre. In addition to this, the faculty members have guided 05 candidates for their doctoral degrees from Central and Private Universities.



**Dr. C.E. Nanjundappa**  
**Professor & Head**  
[nanjundappace@gmail.com](mailto:nanjundappace@gmail.com)

## VISION

The department of mathematics envisages to be a centre of excellence in mathematics through vigorous engagement in teaching, research and training.

## MISSION

To transform the budding engineers into competent and motivated professionals with sound theoretical and practical knowledge in mathematics.

To engender post graduate students with strong foundation and motivation to opt for research and development as a carrier.

To create an atmosphere conducive to high class interdisciplinary research and to produce researchers with strong analytical skills and vision who can in future become experts in various areas of research in mathematics.

To contribute to the development of the nation through teaching, research and training.

## Publications

- A Pavithra, C. E. Nanjundappa, Classical linear stability analysis of energy based internally heated distributions on Benard porous convection in a micropolar fluid layer, *Journal of electromagnetic analysis and applications*, Vol 14( 1), Jan 2022.
- Mahesh Kumar R, C. E. Nanjundappa, Effect of surface tension on gravity driven convection in a rotating ferrofluid fluid layer subject on Robin thermal boundary condition, *International Journal of Mechanical Engineering*, Vol 7 (2) Feb 2022, pp:1689-1702, ISSN: 0974-5823.
- Mahesh Kumar R, C. E. Nanjundappa, Penetrative thermo-gravitational and surface-tension driven convection in a ferrofluid layer through volumetric internal heating with variable viscosity, *International Journal of Engineering Technologies and Management Research*, Vol 9(4), April 2022, pp:78-96.
- A Pavithra, C. E. Nanjundappa, Penetrative thermo-gravitational convection driven by surface tension in a ferrofluid layer subject to MFD viscosity via volumetric heat source, *Science, Technology and Development*, Vol. 11, 2022. pp: 208 - 230.
- S. Bhavya, C. E. Nanjundappa, Energy based volumetric internal heating on Bernard-Marangoni FTC in ferrofluid-porous saturated layer: Effects of MFD viscosity and thermal bounded surfaces, *International Journal of Applied Engineering research*, Vol 17 (1), 2022, pp:21-29, ISSN:0973-4562.
- NN Swamy, GK Jayanna, CK Gangappa, B. Sooryanarayana, An algebraic approach to find some topological indices of derived graphs of the Benzene Ring, *Biointerface Research in Applied Chemistry*, Vol 12 (4), 2022, pp: 5431-5443.
- SB Chandrakala, GR Roshini, B Sooryanarayana, Some Topological Indices of Tri-Hexagonal Boron Nanotube and Nanotori: A Descriptive Analysis, *Recent Trends in Chemical and Material Sciences* Vol. 7, March 22, pp: 143-155.
- NN Swamy, CK Gangappa, P Poojary, B Sooryanarayana, Topological indices of the subdivision graphs of the nanostructure TUC 4 C 8 (R) using M-polynomials, *Journal of Discrete Mathematical Sciences and Cryptography*, Vol 25 (1), April 2022, pp: 265-282.
- NN Swamy, T Manohar, B Sooryanarayana, I Gutman, Reverse Sombor index, *Bulletin of International Mathematical Virtual Institute*, Vol 12 (2), 2022, pp: 267-272, ISSN:2303-4955.
- Shylaja K Ramulu, Padma M Marigowda, Badekara Sooryanarayana, Jayalakshmi Moodabidre, Performance analysis of ND and NHD topological models of Alkensä, Vol 13 (1), 2022, ISSN:2069-5837.
- Vijaya Chandra Kumar U Anjaneyulu Mekala, R Murali, The (a, b)-Status Index of Exponential Domination Graphs, *JOURNAL OF ALGEBRAIC STATISTICS*, Vol 13 (1), 2022, pp: 829-841.

## Conference /Workshop

- Dr. Jayalakshmi M, five day FDP on Technical writing with LateX -Hands on Training, organized by Professional bodies forum, Bangalore Institute of Bengaluru during 7th to 11th March 2022.

## Invitee Talk

- Dr. B. Sooryanarayana, on Inculcating research culture from the NEP perspective at St. Agnes college Mangalore on 26th May 2022.

## Awards

- Following faculties awarded doctoral degree from VTU on 10th March 2022.



Ms. Savitha Y.L



Prabhavathi G Angadi

**Reporter : Dr. Jayalakshmi M, Associate Professor**

# Department of Chemistry

The department has well qualified and experienced faculty, with all necessary infrastructure. The department aims at preparing the students in all engineering aspects including fundamental and applied research work. The department has 5 teaching faculty who have published significant number of international research papers in recent years. The department has R & D centre recognized by VTU, Belgaum, and it offers research in Nanotechnology, Catalysis, Environmental studies, Organic synthesis, Solar cell, LED's, etc.



**Dr. Jahagirdar A. A, M.Sc., Ph.D.**  
**Professor & Head**  
**[jagirdar.aa@gmail.com](mailto:jagirdar.aa@gmail.com)**

## **VISION**

Department trains the students with a balanced approach towards Institute Industry interaction and academic excellence along with research in Basic Sciences.

## **MISSION**

Providing outstanding teaching learning and quality training in chemistry to all students at all levels and in all disciplines and also develop and maintain research programs of National and International relevance.

## Publications

Sl No.	Name of Faculty	Title of the paper	Journal details
1	Dr. Jahagirdar. A. A	1) Lanthanum oxide nanoparticles as chemical sensor for direct detection of  2) Facile green synthesis of Molybdenum oxide nanoparticles using Centella Asiatica plant: Its photocatalytic and electrochemical lead sensor applications	Inorganic and Nano-Metal Chemistry, Taylor and Francis group  Sensors International produced by Elsevier
2	Dr. S. Soundeswaran	Almond gum assisted synthesis of Mg doped Fe <sub>2</sub> O <sub>3</sub> NPs: Structural analysis, electrochemical sensing, and optical applications	Chem PhysMater Journal: elsevier.com
3	Dr. Bhagyalakshmi H	Glycerol transformation to pharmaceutically important aryloxypropanediols by microwave mediated synthesis	Current Research in Green and Sustainable Chemistry
4	Mrs. Mamatha K M	1) Lanthanum oxide nanoparticles as chemical sensor for direct detection of carboxymethyl cellulose in eye drops  2) Facile green synthesis of Molybdenum oxide nanoparticles using Centella Asiatica plant: Its photocatalytic and electrochemical lead sensor applications	Inorganic and Nano-Metal Chemistry, Taylor and Francis group  Sensors International produced by Elsevier

## Awards

- Ph.D. Awarded: 01 ( Guide- Dr V Bheema Raju)

**Reporter : Ms. Mamatha K M, Assistant Professor**

# Placements at Dr. AIT


Over a decade of existence as premier institution Dr. Ambedkar Institute of Technology has made a mark by providing the student's job opportunity in prestigious and reputed firms. Thus, ensuring a right beginning for the career.

Management Education has changed its phase in the recent past making it more multi-tasking when compared with all its domains of education ever since its inception and certainly, placements are in line with these transformations from year to year. The ever-unwavering spirit & continued endeavour of being a symbol of excellence has been the consistent reason for the institute to be one of the elite engineering colleges. The many companies that participate in campus placement in Dr. AIT test aspirants at complex intellectual levels to make sure only the best candidates who have the suitable skill set are selected.

Company Name	Number of students placed
	9
	1
	5
	5
	9
	6

Company Name	Number of students placed
	3
	1
	5
	16
	4
	2
	2

Company Name	Number of students placed
	100
	7
	18
	9
	3
	2
	8
	27

Company Name	Number of students placed
	8
	11
	14
	1
	1
	2
	1
	8

## Editorial Board



**Dr. M. Meenakshi**  
Chair Person,  
Principal,  
Dr. Ambedkar Institute of Technology,  
Bengaluru – 560056



**Ms. Lavanya Santhosh**  
Chief Editor,  
Assistant Professor,  
Dept. of Computer Science & Engineering,  
Dr. Ambedkar Institute of Technology,  
Bengaluru – 560056

## STUDENT EDITORIAL BOARD



**Tejas M N**  
1DA19CS179



**Harsha Anil**  
1DA19CS054



**Tejas Porwal**  
1DA19CS180

*Greetings readers,*

*We would like to thank Dr. M. Meenakshi our beloved principal for giving us an opportunity of framing and designing this year's college newsletter. The continued success of our newsletter is due to the efforts of our predecessors in the form of students, faculty and supporting staff.*

*It also gives us immense pleasure and joy to present the latest 2022 (JAN - JUNE) edition of the college newsletter before our beloved readers. This year's college newsletter covers all academic and non-academic activities from various department of our college. An enormous amount of effort has been devoted to improve the newsletter and this is reflected in the way it has been brought out.*

*We sincerely thank each and everyone who contributed to this half-yearly newsletter. We are equally open to comments, criticism and suggestions to make it more informative.*

*Looking forward to your continuous support and goodwill.*





### Call for Newsletter,

The Institute is seeking your contributions to the half-yearly Newsletter. We invite our staff members and students to submit articles or announcements that fits into the following categories:

- Awards/Recognitions
- Major articles – 3/4th of A4 Page
- Short articles, Stories – ½ of A4 Page
- Inspirational Quotes
- Any other information you would like to share
- Articles written in Kannada and English are accepted

### Guidelines for Contributions:

1. All articles should be submitted in Word format.
2. Section headings should be included.
3. You are strongly encouraged to include the images to illustrate your message.

### Newsletter Deadlines:

Please submit your contributions to [newsletter.cs@drait.edu.in](mailto:newsletter.cs@drait.edu.in) on or before 31st December.