

HONOURABLE FOUNDER SECRETARY



Late Sri 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, having come from a very humble background. He fought relentlessly for the upliftment of the downtrodden and believed that education is the main path for the emancipation of the oppressed classes and started a number of educational institutions to cater to at all levels of education in Bengaluru.

Visionaries of Panchajanya Vidya Peetha Welfare Trust



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



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



Sri S. Shivamallu, B.E. FIE
Treasurer, PVP Welfare Trust, Bengaluru
Director, KPTCL (Rtd.), GoK



Sri P.L. Nanjundaswamy, B.E., M.S. (USA)
Trustee, PVP Welfare Trust, Bengaluru
Secretary, Irrigation Department (Rtd.), GoK



Sri A. R. Krishnamurthy,
B.A., P.G. Dip. in Journalism,
Trustee, PVP Welfare Trust, Bengaluru
Ex-MLA / Ex-Chairman Dr. BRADC (Cabinet Rank), GoK



Dr. Umesh, M.Tech., Ph.D
Trustee, PVP Welfare Trust, Bengaluru

GOVERNING BODY - Dr. AIT

Sl. No.	Member Name	Position
01	Sri. S. Mariswamy	Chairman
02	Dr. M. Mahadeva	Member
03	Sri. P. L. Nanjundaswamy	Member
04	Sri. S. Shivamallu	Member
05	Sri. A. R. Krishnamurthy	Member
06	Dr. B.N. Umesh	Member
07	Prof. H. U. Talwar Director, Department of Technical Education, Government of Karnataka	Member, Government of Karnataka Nominee
08	Dr. C. G. Krishnadas Nair Hon'ble President, SIATI, Former Chairman, HAL, Chancellor, Jain University, Society of Indian Aerospace Technologies and Industries (SIATI)	Member, Industry Nominee
09	Prof. K. Ramamurthy Naidu	Member, UGC Nominee
10	Dr. N. H. Siddalinga Swamy Director, e-Governance Cell, AICTE	Member, AICTE Nominee
11	Dr. N.V.R. Naidu Principal, MSRIT, Bengaluru Executive Council Member, VTU	Member, VTU Nominee
12	Prof. N. C. Shivaprakash Professor, Department of Instrumentation & Applied Physics, IISc., Bengaluru	Member, Invitee
13	Dr. Girish Chandra Principal Scientist, TCS, Bengaluru	Member, Invitee
14	Dr. M. Meenakshi, Dean (Academic)	Member
15	Dr. Siddaraju, Prof. & Head, Dept. of CSE	Member
16	Dr. Anuradha. K. N, Prof. & Head, Dept. of Physics	Member
17	Dr. G. Rajendra, Controller of Examinations	Member
18	Dr. C. Nanjunda Swamy, Principal	Member Secretary

ACADEMIC COUNCIL - Dr. AIT

Sl. No.	Constitution	Nature	Name
1	The Secretary/Managing Trustee,	Management Representative	Dr. M.Mahadeva , Managing Trustee / Secretary,PVPWT
2	Principal	Chairman	Dr. C. Nanjundaswamy , Principal
3	All the Heads of Department in the College	Members	Dr. B. Shivakumarswamy , HOD, CV
			Dr. B. Ravindra , HOD, ME
			Dr. G. Rajendra , HOD, IEM & COE
			Dr. Jyothi Koujalagi , HOD, EEE
			Dr. M. Meenakshi , HOD, EI
			Dr. G.V. Jayramaiah , HOD, EC
			Dr. C.R. Yamunadevi , HOD, TE
			Dr. Siddaraju , HOD, CS
			Dr. M.V. Vijaykumar , HOD, IS
			Dr. K.J. Shanthi , HOD, ML
			Dr. K.N. Anuradha , HOD, Physics
			Dr. B. Veenadevi , HOD, Chemistry
			Dr. C.E. Nanjundppa , HOD, Mathematics
			Dr. T.R. Shashipriya , HOD, HSS
			Dr. L. Manjunath Rao , HOD, MCA
			Dr. Baskaran , HOD, MBA
4	Four Teachers of the college representing different levels of teaching staff.	Members	Dr. R. Murali , Professor, Mathamatics
			Dr. S. Vasudevamurthy , Asso. Professor, EE
			Dr. S. Vijaya , Professor, CV
			Dr. T.N. Raju , Asso. Professor, ME
5	Five experts from outside the college Representing Industry, R&D Labs, Technical Education	Members	Dr. Narendra Dubey , Ducom Instruments, Bengaluru
			Dr. Chandra Kishan , Professor, Civil, IISc, Bengaluru
			Sr. Srinivasa Ramanujan , TCS, Bengaluru
			Dr. Shyam Vasudeva Rao , Director Renalyx, Bengaluru
			Mr M.K. Sharashchandra , DGM, L&T, Bengaluru
6	Three nominees from the University	Members	Dr. B.V. Ravishankar , Principal, BMSCE, Bengaluru
			Dr. H.C. Nagaraj , Principal, NMIT, Bengaluru
			Dr. L. Suresh , Principal, Cambridge Institute of Technology, Bengaluru
7	Co-opted Members	Invitee	Dr. G. Leenagiri , Asso. Professor, CSE
			Dr. M.V. Mandi , Professor, ECE
8	A Faculty Nominated by the Principal	Member Secretary	Dr. M.Meenakshi , Dean (Academic)

Overview of Dr. AIT

VISION

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

MISSION

- ◆ To offer state-of-the-art under graduate, 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 industry requirement
- ◆ To instill moral and ethical values with social and professional commitment.

Dr. Ambedkar Institute of Technology is managed by Panchajanya Vidya Peetha Welfare Trust. The institute is one of the pride educational Institute among the 22 institutions run by the Management. The Institute was established in the year 1980 by Late Sri MH Jayaprakash Narayan, Ex MLA and founder Managing Trustee of PVP Welfare Trust and Secretary of the Institute. The institute is located on the outer Ring Road, Near Jnanabharathi Campus, Mallathahalli, Bangalore on a vast 20.30 acres of land having several buildings, lawns, trees etc.

Dr. AIT, an Autonomous Institution, has grown during last 4 decades with all the recent technical developments incorporating in its curricula. It is one of the few Technical Institutes in the state to get World Bank assistance under TEQIP I & II (completed) and TEQIP III (ongoing). Successful rate of students in the Institution varies from 90% to 100%. Technical graduates of this Institution are doing very well worldwide in all their assignments. It is due to the exemplary commitment of Panchajanya Vidya Peetha Welfare Trust towards social cause, Education, Teachers and Non-teaching staff under the guidance of Governing Body and Academic Council.

The Institution has established its own Digitized Examination system which is well appreciated by many experts of accrediting teams during accreditation visits and besides many Heads of other Institutions have requested guidance and help to digitize their Examination system.

The Institution has recently accredited by NAAC with "A" grade at its first attempt and most of the departments are accredited by NBA. The Institution has been awarded 163 Rank by National Institutional Ranking Framework. by the Ministry of Human Resource Development (MHRD), Government of India, to rank institutions of higher education in India. It has signed MOU's with many foreign universities, link-ups with Major Industries and has sufficient Patents to its credit. All teachers are involved in research along with regular teaching assignments. More than 100 scholars have registered for pursuing research leading to Ph.D degree. The institution has organised an International Conference on "Smart Cities" where in good number of foreign experts participated.

Dr. AIT Campus Life



The Institution has a sufficient built-up area with a large number of spacious, well ventilated class rooms, smart class rooms with e-learning facilities, Well equipped Laboratories, Data Center, Virtual Instrumentation Laboratory (Lab VIEW), English Language Laboratory, Workshops, Drawing Halls, Seminar Halls, Library and Information Center, Sports Complex, Music Room and Auditorium.

The Institution is offering 10 Undergraduate Programs, 10 Postgraduate Programs and 15 Research Centers having Ph.D students under Visvesvaraya Technological University, Belagavi, Karnataka.

The Institution is having well qualified faculty members involved in various research activities, testing and consultancy activities and carrying out technical works of practical importance. This has resulted in publications in good referred journals and patents.

A spacious library having more than one lakh books, Digital Library having membership with INDEST-AICTE Consortium to access IEEE, ASCE, Springer Mechanical e-Journal, Pro Quest Journals and the institution is also having membership with DELNET and British Library. The reference section is well equipped with encyclopedia of different disciplines of Engineering and general Sciences, ASTM Handbooks, books on Nano Technology, Smart Structures, Manufacturing, Operation Research, Digital Computer Networking, VLSI Design and Embedded Systems, Telecommunication, Information Technology, Power Systems etc.

The learning experience on the campus inspires our students to realize their full potential. Our students excel in academics by pitching themselves against the best in events held on campus and outside. No wonder, they have won laurels at prestigious conferences and events held in the country and abroad to make a difference in their field of interest. And going beyond academics you will find them preparing for wide range of events that test their creativity and ability to solve problems.

PROGRAMMES OFFERED

UG (Autonomous)	Started
Civil Engineering	1980
Mechanical Engineering	1980
Electrical and Electronics Engineering	1980
Electronics and Communication Engineering	1982
Industrial Engineering and Management	1984
Electronics and Instrumentation Engineering	1985
Computer Science and Engineering	1987
Telecommunication Engineering	1991
Information Science and Engineering	1992
Medical Electronics	1999

PG (Autonomous)	Started
Master of Computer Application (MCA)	1999
Master of Business Administration (MBA)	2001
M.Tech in Computer Science and Engineering	2002
M.Tech in VLSI Design and Embedded Systems	2004
M.Tech in Power Electronics	2010
M. Tech in Digital Communication and Networking	2010
M.Tech in Structural Engineering	2011
M. Tech in Machine Design	2013
M.Tech in Computer Network Engineering	2013
M.Tech in Cyber Forensics & Internet Security	2018

Research (M.Sc. Engineering / PhD)	Started
Mechanical Engineering	2001
Civil Engineering	2003
Mathematics	2003
Chemistry	2005
Physics	2007
Electrical & Electronics Engineering	2007
Electronics & Communication Engineering	2008
Instrumentation Technology	2009
Telecommunication Engineering	2010
Business Administration	2010
Computer Applications	2011
Computer Science Engineering	2012
Industrial Engineering & Management	2012
Information Science & Engineering	2012
Medical Electronics	2014



Principal

Dr. C. Nanjundaswamy, Professor of Civil Engineering, obtained his M.Tech. degree in Environmental Engineering from IIT, Bombay and Doctoral degree from IIT, Roorkee. He has 31 years of rich teaching, research and administrative experience. He has published 35 papers in reputed national and international journals, guided 10 M.Tech. dissertations, Two Ph.D candidates and One M.Sc. Engineering by research have completed their degree. His research interest is Sustainable Environmental Engineering. He has served in the capacity of Special Officer in VTU during 2000-02 and Head of the Department of Civil Engineering during 2006-2012 of Dr. AIT.

Dean - Academic



Dr. M. Meenakshi Dean (Academic) obtained her PhD from Department of Aerospace Engineering, Indian Institute of Science Bangalore during 2006, M.Tech from IIT Madras (1994) and B.E from SJCE Mysore (1986). She is also currently serving as Professor and Head of the Department of Electronics and Instrumentation Engineering, at Dr. Ambedkar Institute of Technology Bangalore. She has made novel contributions to Micro air Vehicle control, especially in the field of design and development of Robust H2 controller and its real time validation and in various funded R/D projects. She has around 85 research publications to

her credit, which includes International Journals, International / National Conferences, Technical Books. She is a recipient of Shiksha Rattan Puraskar Award by IIFS, during 2010. She is guiding 6 students to carry out research work for their Doctoral Degree, 2 have already been awarded doctorate and One student for his M.Sc. Engg by research under VTU, Belgaum

Controller of Examination



Dr. G. Rajendra, Professor & Head, Department of Industrial Engineering & Management obtained his Doctoral degree in the area of welding of MMC's and has 32 years of teaching experience. He has applied for an Indian Patent which has been published in Indian Patent Journal. He has authored 7 books in subjects like OR, TQM, Manufacturing Processes, Engineering Economics & Human Resource Management. One student obtained M.Sc., degree in arc welding. Guided two Ph.D. students of which one Ph.D and M.Sc. (Engg.) Awarded another student completed Comprehensive Viva-Voce and one M.Sc. (Engg.) submitted thesis for evaluation.

Deputy Controllers of Examination



Mr. M. Prasanna Kuamar, Faculty of Electronics and Instrumentation Engineering. He has developed the software for Digital Evaluation System and PG dissertation evaluation system.



Dr. Prashanth C.R, Professor in Telecommunication Engg. He obtained his Ph.D degree in the field of Image Processing from Bangalore University. He has published one book and 40 research papers in refereed International Journals and Conferences. He is guiding Five research scholars.

Teaching Faculty

Dr. AIT has a faculty strength of 256 members comprising 40 Professors, 50 Associate Professors and 166 Assistant Professors. Of these 88 faculty members possess Ph.D degree and 168 faculty members possess Master degree. The institute has an enviable faculty to student ratio of 1:20. In addition to this the institute has 05 Visiting Professors to strengthen research activities in various departments of the institute.

Technical Staff

The Institute has qualified 143 technical staff members. The departmental laboratories are headed by Foremen supported by Instructors, Assistant Instructors, Mechanics and other staff. All these staff members are trained for using the latest equipments in the laboratories. The institute has deputed several members to different organizations for upgrading their knowledge through skill development programs.

Administrative Staff



The administrative affairs of the institute is looked after by 139 qualified Administrative Staff headed by the Assistant Administrative Officer assisted by Mr. Doddaswamy, Registrar, Office Superintendents, Stenographer, First Division Assistants, Second Division Assistants and Typists. The average administrative experience of the staff is 26 years. The institute has 8 different administrative sections and most of the administrative activities have been computerized as detailed below:

Administrative Sections

- | | | | |
|-------------|-----------------|---------------|---------------|
| 1 Admission | 3 Establishment | 5 Examination | 7 Scholarship |
| 2 Accounts | 4 Development | 6 Stores | 8 Despatch |

DEPARTMENT OF CIVIL ENGINEERING



Dr. B. Shivakumara Swamy
Professor and Head

Course	Established	Sanctioned Intake
BE	1980	120
M.Tech in Structural Engineering	2011	18
Ph.D in Civil Engg.	2003	As Per VTU

Faculty	Nos	Qualifications
Professor	6	As per AICTE norms
Associate Professor	3	
Assistant Professor	11	
Visiting Professor	1	
Research Professor	1	

Specialization and Expertise :

Structural Engineering, Water Resources, Environmental Engineering, Solid Waste Management, Concrete Technology and Highway Engineering

The Department of Civil Engineering serves the community by imparting quality education with the motto of making the students knowledgeable and employable. Since its inception, the department maintains consistently good academic record and produces quality civil engineers. In addition to regular academic work, the faculty are taking up consultancy and material testing work. The research centre has 15 students working in the major areas of Structural Engineering, Water Resources, Environmental Engineering and Concrete Technology and also awarded four Ph.D Degrees. The Department has completed AICTE funded project “Construction of Ashoka Hostel” in the Campus & Received grants of Rs. 16.32 Lakhs from VTU for the research project titled, “Health Monitoring, Repair & Rehabilitation of RC Structures”.



DEPARTMENT OF MECHANICAL ENGINEERING



Dr. B. Ravindra
Professor and Head

Course	Established	Sanctioned Intake
BE	1980	180
M.Tech in Machine Design	2013	18
Ph.D in Mechanical Engineering	2001	As Per VTU

Faculty	Nos	Qualifications
Professor	5	As per AICTE norms
Associate Professor	8	
Assistant Professor	28	
Research Professor	1	

Specialization and Expertise :

Design Engineering, Manufacturing, Thermal Sciences, Automobile Engineering, Smart Materials and Composites, Welding Technology, Thermal Barrier Coatings

The Department of Mechanical Engineering has the best facilities in terms of equipments, sophisticated software and R & D laboratories. The Department organizes a number of seminar and workshops every year for the benefit of the students. The department is actively involved in academic/R&D/consultancies activities, the details of which is given below:

I Academic Activities:*

Undergraduate Program
Postgraduate Program
Doctoral Program
* 180 UG students intake; 18 PG students intake; and 24 research scholars

II State of the Art Research & Development Activities:

Brush Seals
Thrust foil bearings
Non-contact power transmission devices
Non-contact excitation system (for modal analysis)
Biofuels/dual fuel engines
Composites (Metal matrix and fiber)

III Consultancy Activities**

Industries
Premier R&D Institutions
Academic Institutions
**Consultancies in excess of Rs. 37.8 lakhs have been completed.

IV Several invited talks have been delivered by faculties of department.

V Funding Agencies for Research Projects***

Defence Research & Development Organization
AR&DB / GATET & CARS (GTRE)
Department of Science & Technology
All India Council of Technical Education
Vision Group on Science and Technology
***External funding in excess of Rs. 1.25 crores has been received.

VI Patenting Activities

Several patents have been filed jointly with other academic institutions and industries with the patent office of India in the areas related to;
Thermal Barrier Coatings
Electroless Alloy Coated Nanocenosphere
Magnetic Coupling^
Smart Shafts^
Inter-shaft Squeeze Film Dampers^
Flexible Housing Journal Bearing^
Foldable Wind Mill with Passive Magnetic Bearing^
Personalized Air Transport Apparatus
^Jointly with industry and premier national R & D organization.



Magnetic Coupling /Thrust Foil Bearing Test Facility



State of the art Seal Test Facility



Computerized Twin Cylinder Diesel Engine Test Rig



Exhaust Gas Analyser

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING



Dr. Jyothi P. Koujalagi
Professor and Head

Course	Established	Sanctioned Intake
BE	1980	60
M.Tech in Power Electronics	2010	18
Ph.D in EEE	2007	As Per VTU

Faculty	Nos	Qualifications
Professor	3	As per AICTE norms
Associate Professor	5	
Assistant Professor	7	
Visiting Professor	1	

Specialization and Expertise :
Power Systems/ Power Electronics, High Voltage Engineering

The department of Electrical Engineering is actively involved in academic/R&D/consultancies activities, the details of which is given below:

- I Academic Activities:**

Undergraduate Program with students' intake of 60

Postgraduate Program with students' intake of 18

Doctoral Program with 18 Research scholars
- II State of the Art Research & Development Activities:**

Insulation Diagnosis

Power Electronics & Drives

High Voltage Engineering
- III Consultancy Activities**

Industries

R&D Institutions

Academic Institutions

Consultancies in excess of Rs.5.6 lakhs have been completed.
- IV Sponsored Research Project Activities**

Department of Science & Technology

All India Council of Technical Education

Visveswaria Technological University

Karnataka State Council for Science & Technology

External funding in excess of Rs.80 lakhs have been received.
- V Patenting Activities**

02 American patents have been conferred jointly with other academic institutions & 04 are in the process in the area related to;

Developing vegetable based liquid dielectric coolant.
- VI Both UG & PG Programs are Accredited by National Board of Accreditation (NBA).**



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



Dr. G.V Jayaramaiah
Professor and Head

Course	Established	Sanctioned Intake
BE	1982	180
M.Tech in VLSI Design & Embedded Systems	2004	18
Ph.D in Electronics & Communication Engg.	2008	As Per VTU

Faculty	Nos	Qualifications
Professor	4	As per AICTE norms
Associate Professor	3	
Assistant Professor	32	
Research Professor	1	

Specialization and Expertise :

Power Electronics, VLSI, RF Engineering, Digital Signal Processing, Robotics, Communication Engineering.

Research Areas

RF communication
Embedded Systems
Digital Signal Processing
Cryptography and Network Security
Communication
Power Electronics
Image Processing
VLSI Design

Number of Research Scholars: 31

Number of Research Guides: 08

Patent activities:

Number of Applied Patents: 04

Methods for Generating Highly Random Sequences over Finite Fields for FHSS(Frequency Hopping Spread Spectrum) systems.

Multi Band Microstrip Patch Antenna.

Planar Inverted-F Antenna (PIFA) with Improved Bandwidth and Impedance.

Resource bin for waste segregation.

Sponsored Research Projects and State of the Art Research and Development Activities:

Voltage Controllers for standalone systems using induction generator.

Dual mode Reconfigurable Micro Strip Filters

Encryption of Speech signal for secure communication.

Number of Research Projects: 03, Amounting to 56.64 Lakhs.

Industry Institute Interaction

Wistron Corporation,
TCS ION,
Edgate Technologies.



DEPARTMENT OF INDUSTRIAL ENGINEERING & MANAGEMENT



Dr. G. Rajendra

Professor and Head

Course	Established	Sanctioned Intake
BE	1984	60
Ph.D in Industrial Engg. Management	2012	As Per VTU

Faculty	Nos	Qualifications
Professor	2	As per AICTE norms
Associate Professor	2	
Assistant Professor	5	

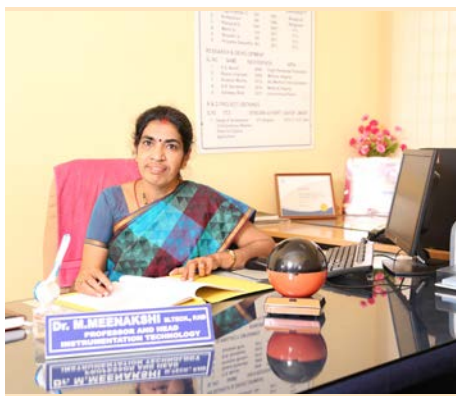
Specialization and Expertise :

Industrial Engineering, Management, Information Systems, Supply Chain Management, Quality Management.

The Department of Industrial Engineering and Management is accredited by NBA and accorded Autonomous status by VTU, Belagavi and UGC, New Delhi in the year 2010. It is backed by highly motivated and result oriented staff members. All the faculty members have obtained their master's degree, with 5 are having doctorate degree from prestigious universities and 3 faculties are pursuing their PhD. Most of the faculty members hold important positions in the university and also examiners in the Visvesvaraya Technological University/ other autonomous institutions. The curriculum help the students to gain the knowledge and skills in the areas of Industrial Engineering, Mechanical Engineering, Functional areas of management, Information Systems, Supply Chain Management, Quality Management and Quantitative Models for decision making apart from basic engineering knowledge and skills with emphasis on overall personality development. The Department Students are constantly being recruited by various well known, private and government companies and provided with the opportunity to contribute and serve towards the betterment of the society in different disciplines such as manufacturing industries, service industries, software companies, Finance sectors. The intake of the department is increased to 60 in the year 2013. Students are encouraged to publish paper, product design, projects in industry, industrial visit and other activities. The department is currently headed by Dr. G Rajendra.

IEM Department Centre as two M.Sc. by research and two Ph.D's received their Doctoral Degree from VTU, Belagavi. Presently 8 research scholars are pursuing there Ph.D's in the research centre.





Dr. M. Meenakshi
Professor and Head

Course	Established	Sanctioned Intake
BE	1985	60
Ph.D in Electronics & Instrumentation Engg.	2009	As Per VTU

Faculty	Nos	Qualifications
Professor	2	As per AICTE norms
Associate Professor	3	
Assistant Professor	9	

Specialization and Expertise :

Industrial Automation, Embedded Systems, Digital Signal Processing

The Department of Electronics and Instrumentation Engineering has been accredited by NBA and certified by ISO 9001: 2008 quality management System. The mission of the department is to uphold Dr AIT mission and thus provide quality education to equip students with the tools they need to compete in an evolving global market place through an innovative learning model as well as to instill the knowledge and skills of professional practice

The goals of the department have been to prepare the students Industry-Ready by aligning Electronics and Instrumentation Engineering Education Program to the current technology and the best practices in the area of Industrial Automation and Embedded Systems. The department has well established laboratory facilities for both teaching and research, and the R & D centre to carry out the research activities. The department has MOU with international companies such as Texas Instruments, Sridutt Technology etc.

The Department has experienced a continued improvement of faculty qualification and significant development in the academic and research programs in the past years. With the renewal of faculty in the last few years, not only the existing research areas are significantly strengthened, but also several new research areas are under development. The synergy of the progressive management, committed faculty, staff, and students are ensuring in excellent academic results year after year.

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



Dr. Siddaraju
Professor and Head

Course	Established	Sanctioned Intake
BE	1987	180
M.Tech in Computer Science & Engg.	2002	18
Ph.D in Computer Science & Engg.	2012	As Per VTU

Faculty	Nos	Qualifications
Professor	2	As per AICTE norms
Associate Professor	11	
Assistant Professor	26	
Research Professor	1	

Specialization and Expertise :

Wireless Sensor Networks, Neural Networks, Robotics, IoT, Machine Learning, Artificial Intelligence.

The Department of Computer Science and Engineering has the best facilities in terms of equipments and R&D Laboratories .The Department organizes a number of seminars, conferences and workshops for students and staff. Many of the faculties have currently registered for the Doctoral degree in CSE R&D center. The faculties have received funds from AICTE, VGST, VTU, KSCST and other funding agencies.

I. Academic Activities.

Undergraduate Program
Post Graduate Program
Doctoral Program.

180 UG students intake; 25 PG students intake; and 24 research scholars.

II. State of the Art Research and Development Activities.

Mars Rover Robot for Military and Security Applications.

IOT based water quality and Fuel Monitoring Systems.

An IOT Based Design for Automation of Streetlights in smart cities.

Premature identification of Alzheimer's disease.

III. Consultancy Activities

Industries

R & D Institutions

Academic Institutions..

IV Sponsored Research Project Activities

Agribot: Remote Tiller

Sensor Network for Real time Data gathering

Use of wearable devices to perform Real Time Analysis for the Wellness of Aging population and Patients.

BUOY fresh water body monitoring system.

*External Funding of Rs. 25 Lakhs have been received.

V Patenting Activities

A system and method to control the activities of the home appliances using a circuitry raspberry pi.

A System and Method for Providing Home Based Healthcare Recommendations.



DEPARTMENT OF TELECOMMUNICATION ENGINEERING



Dr. C.R. Yamuna Devi
Associate Professor and Head

Course	Established	Sanctioned Intake
BE	1991	60
M.Tech in Digital Communication & Networking	2010	18
Ph.D in Telecommunication Enng.	2010	As Per VTU

Faculty	Nos	Qualifications
Professor	2	As per AICTE norms
Associate Professor	5	
Assistant Professor	6	

Specialization and Expertise :

Digital Communication & Networking, Wireless Sensor Networks, Image & Speech Processing, Antenna Design and Optical Fiber Communication.

The department of Telecommunication Engineering is actively involved in academic and R&D activities, the details of which is given below:

I. Academic Activities.

Undergraduate Program
Post Graduate Program
Doctoral Program.
60 UG students intake; 18 PG students intake; and
16 research scholars.
Both UG & PG Programs are Accredited by NBA.

II. Laboratory and R & D Facilities details:

Laboratories are well equipped with major equipments and software like:
Microstrip Antenna Setup & Advanced antenna training system, Basic OFC trainer kit, Microwave Bench.
Data Communication Kit, EPABX trainer kit, Digital Trainer Kits, Microcontroller Kits, TMS320C6710 DSP Kits, FPGA Kits, iSense Wireless Kits, Interface Modules.
Matlab V8.2, Xilinx V14.2, FEKO V7.0, Qualnet V7.4, Mentor Graphics, Kiel C8051.

III. Funding Agencies for Research Projects*.

AICTE-RPS, MODROBS, PMKVY
VGST- K-FIST
KSCST- Funding for students projects
*External Funding of Rs. 40 Lakhs have been received.

IV. Patents Filed:

A system and method for sending bulk messages – Dr. B Sivakumar.
An apparatus for reducing linear microstrip line bend loss using rectangular patch antenna-
- Dr. B. Sivakumar & Praveen K. B.

V. Events Conducted in the department:

The department has organized various seminars/workshops, FDPs, Industry visits, conferences for faculty and students under TEQIP.

VI. Department has 7 MoUs with Industries.

Nihon communications solutions Pvt. Ltd (NCS)
Silicon Micro Systems (SiMS)
EdGate Technologies
Trans Neuron Technologies
UTL Technologies Ltd.
DataLore Labs Pvt. Ltd.
Master i2R Solutions

VII. Faculty and students have presented papers in International/National conferences and published papers in International/National Journals.

VIII. Awards and Achievements

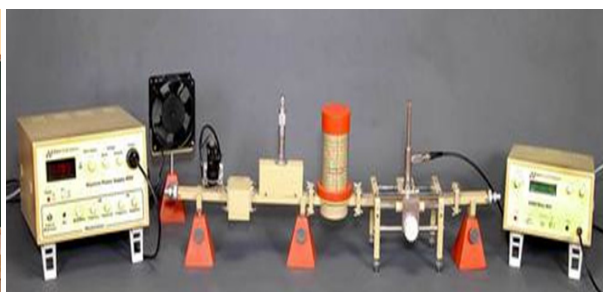
Akshatha Rao : 1st Rank in VTU - M.Tech, Digital Communication & Networking : Year 2016.
Ashwini A.N : Topper with highest CGPA (9.35) in the Institute during 2017-18.



Industrial Vist IST, Pune



DSP Workshop Conducted



Microwave Bench

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



Dr. M.V. Vijayakumar
Professor and Head

Course	Established	Sanctioned Intake
BE	1992	60
M.Tech in Computer Network Engineering	2013	18
M.Tech in Cyber Forensics & Internet Security	2018	18
Ph.D in Information Science & Engineering	2012	As Per VTU

Faculty	Nos	Qualifications
Professor	4	As per AICTE norms
Associate Professor	0	
Assistant Professor	8	

Specialization and Expertise :

Computer Network Engineering, Cyber Forensics and Internet Security, IoT.

The department of Information Science & Engineering is actively involved in academic, R&D and Consultancy activities, the details of which is given below:

I. Academic Activities:

Undergraduate Program

Postgraduate Program

Doctoral Program

60 UG students intake; 25 PG CNE students intake;

18 PG CFS students intake and 16 research scholars.

II. State of the Art Research & Development

Unix System Programming Lab.

Web Technology Lab.

Android Lab.

Java Programming Lab.

Python Lab.

Computer Network Lab.

Cloud Computing Lab.

Big Data Analytics Lab.

Information Network Security Lab.

Cyber Security and Forensic Lab.

III. Consultancy Activities

Software Consultancy : Management Information Systems – Company IBV Brasil Petroleo Ltd.

Artificial Intelligence and Machine Learning.

IV. Sponsored Research Project Activities

Seed Money for Young Scientist, VGST Govt. of Karnataka.

AICTE Funded project.

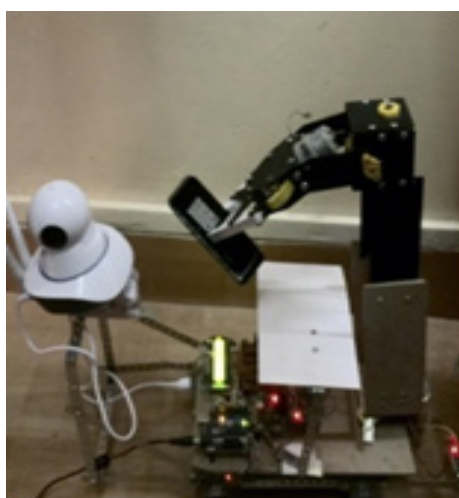
Department of Industries and Commerce.

ORSAS, British Govt, UK.

V. Patenting Activities

A System and Method for Data Recovery from an External Storage Device.

State of the At Test Facilities



DEPARTMENT OF MEDICAL ELECTRONICS



Dr. K.J. Shanthi

Professor and Head

Course	Established	Sanctioned Intake
BE	1999	30
Ph.D in Medical Electronics	2014	As Per VTU

Faculty	Nos	Qualifications
Professor	1	As per AICTE norms
Associate Professor	2	
Assistant Professor	4	

Specialization and Expertise :

Medical Diagnostic, Medical Devices, Bionics, Embedded Systems

The department envisages the design and development of medical diagnostic devices and techniques, to act as an aid in the detection and treatment of many ailments. And also an attempt to the analysis of problems which are more challenging to the medical field. The department has a Research Centre affiliated to VTU.

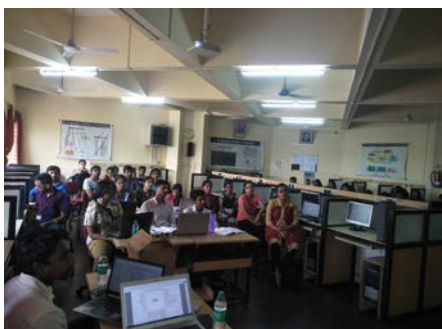
The department has obtained an international patent in artificial kidney in the year 2008. And has applied for three Indian patents on medical devices in the year 2018. The department had received an amount of rupees 10 lakh from AICTE for lab up gradation.

The department works in tandem with industry professionals to enrich the students & faculty alike in updating the curriculum and in handling thrust industrial topics. The industrial visits workshops & conferences are organized regularly in association with the industry.

The department houses state of art equipments and software to study and analyse biomedical signals. The Alumni are working in leading medical device manufacturing companies like Philips, Siemens, GE Health Care and also in software companies. And the department has very successful entrepreneurs.

The department has signed M O U with national & international organizations:

1. Dr. BR Ambedkar Medical College & Hospitals Bengaluru: Provides Hospital Internship & Lab visits along with expert talks on medical sciences by doctors.
2. Renal Dialysis Care Services (RDCS) – Mumbai: Govt. of Karnataka has sanctioned a Skill Development course in Dialysis Technician in March 2019, as a joint activity with RDCS and Dr. AIT
3. EdGate Technologies Bengaluru: The MoU has resulted in setting up a TEXAS INSTRUMENTS (TI) Innovation lab under Texas Instruments University Program. Texas Instruments is a global semiconductor design & manufacturing company.
4. Aventyn USA Inc. The department hosted an international health conference in 2018 in association with Aventyn.
5. Andhra Medtech Zone (AMTZ), Vishakapattanam, AP (a government of India undertaking) : The MOU is proposed.



DEPARTMENT OF PHYSICS



Faculty	Nos	Qualifications
Professor	2	As per AICTE norms
Associate Professor	1	
Assistant Professor	4	

Specialization and Expertise :

Nanoscience, Di-electric Studies, Condensed Matter Physics

Dr. K.N. Anuradha

Professor and Head

The Physics department was established in the year 1980 during the inception of the college. Physics department primarily focuses on academic growth and excellence of under graduate Engineering students. The department offers engineering Physics theory and Practical courses to students of first/second semester of different Engineering streams. Department also offers an open elective course for higher semester engineering students.

The Research center of Physics Department is recognized by Visveswaraya Technological University, Belagavi. Material synthesis lab was established with the research project funded by VTU, Belagavi. Three students have received Ph.D. degree from the center and two students are currently pursuing their Ph.D. The research interest of the faculty are in the fields of Synthesis of bulk and nanoparticles of manganites and characterization, Dielectric studies of Polymer composites, Experimental condensed matter Physics. The research group has published more than 25 papers in international/national journals and about 40 international/national conferences.



DEPARTMENT OF CHEMISTRY



Faculty	Nos	Qualifications
Professor	2	As per AICTE norms
Associate Professor	1	
Assistant Professor	4	

Specialization and Expertise :

Organic Chemistry, Environmental Chemistry, Physical Chemistry, Nanotechnology, Battery Technology, Corrosion and Green Chemistry.

Dr. B. Veena Devi

Professor and Head

Department of Chemistry is one of the oldest departments in Dr. Ambedkar Institute of Technology. The aim of the department is to provide a strong foundation in basics of Engineering Chemistry for first year students of all engineering disciplines. These skills will be highly useful to resolve the complex engineering issues. The department has two well-equipped laboratories to cater to the needs of Engineering students.

Research Centre of Chemistry department is recognized by VTU Belgaum and the faculty members are actively involved in research activities. Faculty are involved in the area of Material science, Solar cells, LED's, Nanomaterials and Environmental chemistry. The department of chemistry has about 25 research papers published in peer-reviewed International/National Journals to its credit. Faculty members have presented research papers in many national and international conferences.



TEQIP – III Sponsored Two-days National Conference on
CURRENT TRENDS IN PHYSICAL AND MATHEMATICAL SCIENCES
(CTPMS- 2019) 7th – 8th June 2019

DEPARTMENT OF MATHEMATICS



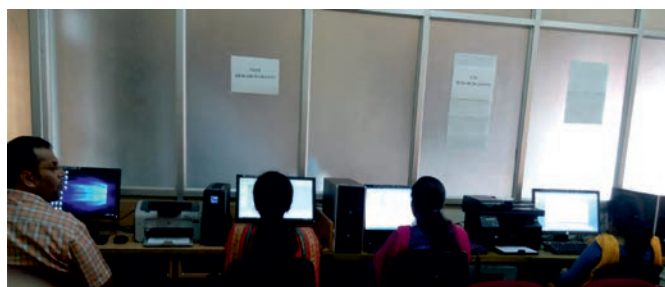
Dr. C.E. Nanjundappa
Professor and Head

Faculty	Nos	Qualifications
Professor	3	As per AICTE norms
Associate Professor	0	
Assistant Professor	10	

Specialization and Expertise :

CFD, FEM, Graph Theory, Discrete Mathematics and Differential Geometry.

The Department of Mathematics teach UG & PG courses and five faculty members guide the students for research. The Department has a well established research center recognized by VTU and has produced 18 Doctorates till date. There are 25 research scholars who are currently pursuing their Doctoral degree in the center. The Department has published 14 papers in National and 98 papers in refereed International Journals. Also presented more than 150 research papers in National/International Conferences. The Department obtained best paper publication award from VGST, Government of Karnataka during 2011-12 and best paper presentation awards in conferences.



DEPARTMENT OF HUMANITIES AND SOCIAL SCIENCE



Faculty	Nos	Qualifications
Assistant Professor	6	As per AICTE norms

Specialization and Expertise :

Functional English, Intellectual Property Rights, Kannada Literature, Constitution of India

Dr. Shashipriya .T.R

Asst. Professor and Head of the Department.

The Department of Humanities trains students in English communication skills and soft skills to enable them face interviews on campus and off campus. Basic Kannada and literature are taught to students to make them get acquainted with state language and Communication Skills. Students of III Sem & IV Sem are taught soft skills and employability skills respectively to upgrade themselves for the recruitments (on-campus & off-campus). It also develops confidence in the young engineers to face the corporate world. Constitution of India & professional ethics imparts knowledge about Law, rights and duties along with moral principles related to the professional education. To make student excel in communication skills, a software from young India Films has been installed. Intellectual property Rights (IPR) is a legal concept which refers to creation of works for which exclusive rights are recognized. IPR is taught to students to enable them to know types of intellectual property rights that include copyright, trademarks, patents, industrial design rights etc.

Department of Master of Computer Applications (MCA)

(Accredited By National Board of Accreditation)



Dr. L. Manjunatha Rao

Professor and Head

Course	Established	Sanctioned Intake
MCA	1999	60
Ph.D in Computer Applications	2010	As Per VTU

Faculty	Nos	Qualifications
Professor	2	As per AICTE norms
Associate Professor	3	
Assistant Professor	6	

Specialization and Expertise :

Data Science Artificial Intelligence, Data Mining & Ware Housing and Remote Sensing.

The Master of Computer Applications program is 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.

The Curricula and Syllabi of Master of Computer Applications (MCA) course offered by Dr. AIT is designed considering the need for different Software Houses in India and abroad and has a high job potential in IT Sector in India and abroad as per Outcome Based Education.

The Department is relentlessly striving to perceive and maintain academic excellence at the same time encourages the students to participate in various curricular, co-curricular and extra-curricular activities. A student friendly environment at Dr. AIT nurtures creativity, passion and leadership qualities among students for development of versatile personality & to become employable, creative thinkers in the country and in the world.

Industry Institute Interaction Initiative

Memorandum of Understanding with Quadwave Consulting Pvt. Ltd, Bengaluru, The MoU executed by Sri. Sanjay Koppikar, Chief Executive Officer, Dr. M. Mahadeva, Managing Trustee/ Secretary and Dr. C. Nanjunda Swamy, Principal.

Quadwave consulting Pvt. Ltd is providing the following facilities

- Internship to students of MCA
- Placement Assistance
- Facilitate the faculty of MCA Dept to have Industrial exposure
- Training to faculties under Train the Trainer program to train students of MCA for Certification in "Application Automation and Robotic Process Automation".



DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION



Dr. S. Baskaran

Assoc. Professor and Head

Course	Established	Sanctioned Intake
MCA	2001	60
Ph.D in Business Administration	2010	As Per VTU

Faculty	Nos	Qualifications
Associate Professor	3	As per AICTE norms
Assistant Professor	5	

Specialization and Expertise :

Marketing, Finance, Human Resource Management, Business Analytics, Commerce, Entrepreneurship and Softskills.

The Department of MBA has a two year full time PG programme, offering specializations in Finance, Marketing and Human Resources Management. The department has a clearly defined objective of creating quality managers and professionals required to face the challenges of the corporate sector and to contribute in the dissemination of academic and apply knowledge in business management. The Department is fully equipped with a team of dedicated staff, well qualified and experienced faculties with an average teaching experience of more than 12 years in their respective field with industrial expertise. The department has Smart Class rooms, Computer Lab & Library facility with National & International Volumes. The Department has an approved Research centre recognised by VTU, Belgaum for pursuing Ph.D. programme by aspiring candidates in the field of Management.



LIBRARY AND INFORMATION CENTER



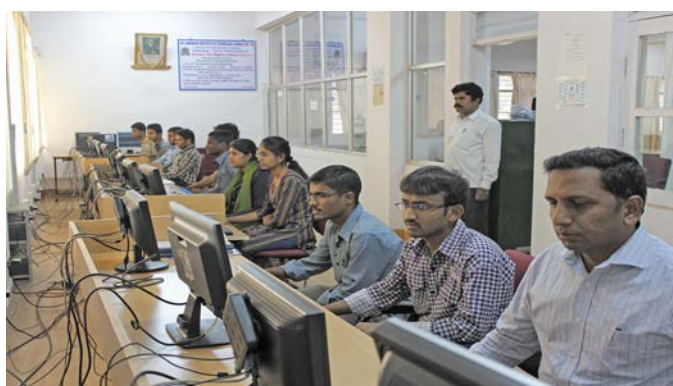
Faculty	Nos	Qualifications
Chief Librarian	1	As per AICTE norms
Assistant Librarian	5	

Mrs. C.A. Malaghan

Chief Librarian

To commemorate the birth centenary year of Dr B.R. Ambedkar, the library building is named as Dr.Ambedkar Centenary Bhavan. It occupies an area of 1778 sq.m. spreading over three floors. It has a Collection of 83373 volumes and 20843 titles covering all disciplines in UG & PG courses. The Digital library has membership with INDEST-AICTE, VTU Consortiun through which it can access to IEEE, ASCE, ASME, Pro Quest, Taylor and Francis Journals and also Institutional membership with DELNET. The digital Library is equipped with 35 systems and a rich collection of E-Books.

The PG Library has a collection of 13913 volumes and 5000 titles with a fully furnished reading section for 80 students. The reference section has 18000 volumes and 15000 titles along with latest encyclopedia's which covers different disciplines of Engineering and General Sciences (9 sets), ASTM handbooks, books on Nano Technology, Smart Structures, Manufacturing, Operation Research, Digital Computer Networking, VLSI Design & Embedded systems, Tele communication, Information Technology, Power systems etc. It has a seating capacity of 255 and is fully air-conditioned. Reference books will be issued for overnight to the benefit of users. The periodical section has 114 National Journals which covers both PG & UG courses. The Library is open from 9 a.m. to 10 p.m.



RENET MULTIMEDIA LANGUAGE LABORATORY

This is e-learning resources project under Tribal Development Plan set up at a cost of Rs. 20 lakh and the software stresses on clarity for teaching English along with German, Spanish, French and Mandarin. It enables our students to improve their spoken and written English skills. It has a teacher computer and 28 student laptops with LAN (domain networking and sound cards).

Data Center

The Data Center is a centralized repository, either physical or virtual for the storage, management and dissemination of data and information pertaining to a particular business. It generally includes redundant or backup power supplies, redundant data communication connections, environmental controls (e.g., air conditioning, fire suppression etc.) and security devices.

The Data Center was established during 2006-07 at a cost of Rs. 1.78 Crore with state-of-the-art facilities like IBM blade servers, Network attached storage, Redundant precision A/C's, Redundant UPS. Redundant optical fiber back bone etc. All the systems of the institute (1500 latest computer systems located in all the departments) are connected to centralized data center. These systems are networked through LAN and WAN. All the servers in the college are consolidated in the Data Center. The entire campus is a Wi-Fi campus. In addition, 1 Gbps 1: 1 dedicated leased line internet connectivity has been provided for both staff and students,



LAB VIEW ACADEMY CENTER

“Lab VIEW” is an acronym for Laboratory Virtual Instrumentation Engineering Workbench, a propriety platform for virtual instrumentation provided by National Instruments, USA. It is a platform for developing the graphical user panel and code for the virtual instrument. It has evolved over the years and now offers extensive libraries for a variety of functions. It enables the developer to program and access the hardware and performs the required computations. Though it is optimized for instrumentation, it can be used as a general purpose programming environment.

The Lab VIEW academy Center was started on February 2007. The Center is a centralized facility for all disciplines of engineering and Technology of Dr. AIT. The Center consists of National Instruments hardware like data acquisition cards, Compact Vision System (CVS), image acquisition cards, cameras for image acquisition, DSP cards, signal conditioning units, NI Education Laboratory Virtual instrumentation Suite (NI ELVIS) and motion controller cards. The facilities includes the latest versions of National Instruments Lab VIEW software, Vision Development Module, Signal Express, Measurements Studio and toolkits like Model Based Control Design Toolkit, Signal Processing Toolkit, PID control Toolkit, Digital Filter Design Toolkit etc.

The Center's Functions are:

- ◆ Teach Lab VIEW
- ◆ Train Students to do projects
- ◆ Carry out Research Projects
- ◆ Conduct Short-term courses for Students/ Faculty, Industry participants & National, Instruments sponsored participants



BOY'S HOSTELS



Shivappa H A
Warden
Mob. : 9900144201



Sl. No	Hostel Name	No. of Rooms	No. of Students Accommodation
01	Ananda Bhavan	159	422
02	Siddartha	100	284
03	Ashoka	24	92
Total		283	789

- ◆ Single room accommodation available
- ◆ Attached bath/toilet for every room.
- ◆ Each room is fitted with electric geyser.
- ◆ Windows are fitted with mesh shutters to avoid mosquitoes.

Dr. AIT CHETHANA LADIES HOSTEL



Swetha .M
Warden
Mob. : 9686882492



The Girl's hostel is situated within the campus. There are 108 rooms with common dining hall, TV hall, Gym hall and visitors room. The hostel students are provided with student friendly menu. It has 24 hours security with CCTV camera installed within the hostel. The hostel has been provided with gas geysers and solar water heater for the continual supply of hot water.

The management has appointed a Warden with supporting staff (Residential) to take care of the day to day activities of the hostel. The hostel has in house Kitchen staff and has outsourced housekeeping work. Currently the total number of students residing in the hostel is 385.

Common Facilities Available for all Hostels

- ◆ Both south and north Indian mess
- ◆ RO drinking water supply
- ◆ Separate TV/recreation and reading room.
- ◆ Uninterrupted power supply from a generator during power cuts.
- ◆ Wi-Fi connectivity/Internet facility for every room
- ◆ 24 hours security through a private agency.

Other Facilities

Medical Assistance by G M Hospital

611/612, Nagarabhavi Main Road, 2nd Stage,
Vinayaka Layout, Nagarabhavi, Bengaluru - 560072
Phone: 080 2301 1600, Hours : Open 24 hours

Apart from the above the campus has the following :

- ◆ Xerox ◆ Bank ◆ Transport
- ◆ Refreshment Stall ◆ Cafeteria
- ◆ Co-operative Society

CAREER GUIDANCE AND PLACEMENT CELL

The Training and Placement Cell of the college provides guidance and all the assistance for the students in order to achieve their career goals. The unit takes right steps in identifying the demands of the current industry and prepares our students towards this need. Adequate emphasis is given for aptitude and soft skill development complementing the regular academic programmes.

- ◆ Training is incorporated right from the first year.
- ◆ Elite training is provided to prepare the students for the industry
- ◆ Top MNCs visit our campus for recruitment
- ◆ Career and Higher studies counselling.
- ◆ 1-on-1 interaction with industrial experts.
- ◆ Special seminars and talks are conducted to educate students about the industry

The goal of Training & Placement Cell is to provide employment opportunities and market ready training to Students. At Dr. AIT with a track record of very productive relationships with corporations of all sizes, from start-ups to mature, successful enterprises, our institutions provide the students with education, research and connections to corporate. The Training and Placement Cell of the Institute centrally handles campus placement of the graduating students of our campus. The Cell provides complete support to the visiting companies at every stage of placement process. The Cell takes care and provides infrastructure for Testing halls, Pre-Placement Talks, Written Tests, Interviews and Group Discussions are made as per the requirement of the visiting companies.

Placements are benchmark to the performance of any management institute and it depicts the success and the growth of the institutions. The Objective of the placement cell is to facilitate the process of placement & ensure that each eligible student gets an opportunity in the industries. The cell aims to achieve 80% - 100% placement assistance to our students. We work on placing our students with core companies of the respective discipline of education. The students are placed according to their interest and skill that are set by the organizations where they can work and also increase their creativity & innovation in the development of technology as well as the organization.

International Admissions

Dr. AIT prides itself in the ability to provide as education that is coveted not only within India but abroad as well. Dr. AIT has given admission to foreign nationals of various countries like Nepal, Bhutan, Srilankaetc, under the superannuation quota of 15% reservation for international Students in all courses.

Attractive scholarships are also provided for deserving candidates. These aside, the facilities and extra-curricular activities within the college provide our students a truly vibrant campus separately for boys and girls with in-house mess facility providing hygienic and nutritious diet for international students.



DEPARTMENT OF SPORTS



K.J. Shiva Kumar

Physical Education Director Mob. : 9900655539

A “Sound Mind in a Sound Body” it means sports helps to develop not only body but also mind. It helps to improve all-round development of the human being.

The Campus has good infrastructure for out door sports like Cricket ground, 200mtrs track with pavilion, foot ball ground Basket Ball court, Hockey ground, volley ball court, Kho-Kho court, Throw Ball court,

In door facilities like Multi gymnasium, Shuttle Badminton, Table Tennis, Chess, Carom are available.

Sports Participation and Achievements for the year 2018-19

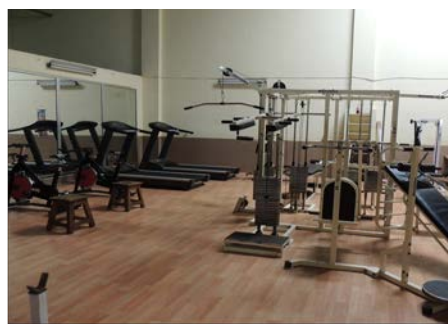
1. **Mr. Gagan Redy** of I sem ISE, participated in **International Road Cycle Race Competition** held at **Brazil** on 1, July, 2018.
2. The Institute organized induction programme in sports for the First year students.
3. The institute's Badminton Team participated in VTU Inter Collegiate Badminton Tournament held at S.E.A. College of Engg., Bengaluru from 28-29, August, 2018.
4. The institute's team participated in VTU inter collegiate Table Tennis tournament held at B.N.M.I.T, Bengaluru from 3-4, September, 2018.
5. The institute's Taekwondo Team participated in VTU Inter Collegiate Taekwondo Tournament held at V.K.I.T, Bengaluru from 10-11, September, 2018 and **Mr. Bharth Chandra** of VII sem Mechanical secured **Silver Medal** in this Tournament.
6. The Institute Women's Tennis team participated in VTU inter collegiate Tenni tournament held at VTU campus, Belgaum from 29-30, September, 2018.
7. Mr. Sharan participated in VTU Inter Collegiate Wrestling and Judo Competition held at Sapthagiri College of Engg., Bengaluru from 15-17, October, 2018.
8. The institute's Athletic Team participated in VTU Inter Collegiate Athletic Competition held at S.J.C..I.T, Chikkaballapura from 26-29, October, 2018.
9. The institute's Cricket Team participated in M.S.Ramaiah Inter Collegiate Tournament held at M.S.R.I T, Bengaluru on 29, October, 2018 and the team reached quarter finals by winning two matches.
10. The institute organised various tournaments such as Volley Ball, Cricket, Kabaddi, Badminton Throw Ball for women staff in the name of Founder Secretary M H Jaya Prakash Narayan in the campus on 30, November, 2018.
11. Students of the institute participated in VTU Inter Collegiate Cross Country Running Race competition held at Anjuman, ITM, Bhatkal from 26-27, March, 2019.
12. The institute's Kho-Kho men team participated in VTU Inter Collegiate Tournament held at C M R I T, Bengaluru from 1-2, March, 2019.
13. The institute's Cricket team participated in VTU Inter Collegiate Cricket Tournament held at The S E A College of Engg., Bengaluru from 6-14, March, 2019 and the team reached semi finals.
14. The institute's Volley Ball Team participated in VTU Inter Collegiate Volley Ball Tournament held at The Oxford College of Engg., Bengaluru from 9-10, March, 2019.
15. The institute organized Annual Athletic meet for students and staff on 16, March, 2019.
16. The institute organized VTU Bengaluru Central Zone Foot Ball Tournament for men from 21-22, March, 2019.



Inauguration of Annual Athletic meet 2019



Inauguration of VTU Bangalore Central zone Foot Ball Tournament 2019.



In door facility

ISTE CHAPTER



Dr. K.V. Manjunath

ISTE Secretary & Faculty Advisor

ISTE, The Indian Society for Technical Education is a national level professional body with its head office at New Delhi. It has more than 1000 ISTE chapters at various professional Institutions.

The ISTE chapter was started at our Institute during the year 1988. All the teaching faculties are life members and around 4000 students are members of ISTE chapter. Prof. K. V. Manjunath served as a elected member of national Executive Council of ISTE New Delhi from 2014 to 2018. The Institute ISTE chapter is very active and conducts Technical activities for the benefits of faculty and students every year. ISTE chapter our college has been awarded BEST ISTE Chapter from ISTE New Delhi during 2005. The award was conferred during National level ISTE convocation held at Bapuji Institute of Technology, Davanagere.

The activities conducted by the ISTE chapter include, seminars, workshops, technical talks, etc.

Embedded System and Industrial Automation

Corporate Social Responsibility

Power Quality Issues

4G and its applications

Fascinating world of shock waves

Space Technology and satellite communication

Philosophy of ultra high voltage engineering

Challenges in thermal power construction

Six sigma quality concepts and lean overview

Sales force training head

Computer communication networking



Dr. AIT PATENT DETAILS

Sl.No.	Title	Department	Persons involved	Patent No. and year	National/ International
01	Artificial Kidney	Medical Electronics	Mr. Budhaditya Chattopadhyaya	01502/CHE/2006	National
02	An apparatus for purification of Blood and a process thereof (Artificial Kidney)	Medical Electronics	Mr. Budhaditya Chattopadhyaya	PCT/IN2007/000347 29.01.2008	International
03	A Biofuel Composition and a process thereof	Mechanical	Mr. Harishkumar Raju, Mr.GirikumarKumaresh, Dr.P.Martin Jebraj	239957 15.04.2010	National
04	Filler rod coated and/or parent metal with slurry to introduce reinforcement into welding	Industrial Engineering & Management	Dr.P.MartinJebraj Dr.G.Rajendra, HOD, IEM	IP10032/CHE/2008 2009-10	National
05	A Thin metal sheet, a process and an apparatus thereof	Mechanical	Dr.MartinJebraj	249285 17.10.2011	National
06	System and Method for sending a Bulk SMS	Tele-Com	Sri Raghavendra DC – Dr. B. Sivakumar,	Applied / 11.02.2014	National
07	Personalised Air Vehicle	Mechanical	Dr. V. Arun Kumar AashirwadParasar Abhilash S Baddur AkshayKhatokar J Kusumitha U Nagappa R B	11.02.2014 / Applied	National

08	Bearing comprising of smart materials	Mechanical (along with another education institution and Industry)	Prof. V. Arun Kumar,	Applied	National
09	Magnetic Coupling for non contact power transmission	Mechanical	Dr. V. Arun Kumar Dr. T.N Raju N Shashikantha T Srinath M/s DUCOM Instruments Pvt. Ltd. Bengaluru.	tApplied	National
10	Low powered rural digital education system	CSE	Dr. Siddaraju Karthick Rao B.G Ravikumar K	12.09.2014 / Applied	National
11	A System to the activites of home appliances	CSE & ITE	Dr. Siddaraju Karthick Rao B.G Sudanshu Dixit	12.09.2014 / Applied	National
12	Method to prepare plasma Spreayable gadolinium oxide stabalised/ doped Zirconia powder using PVA binder for thermal barrier coating applications	Mechanical	Dr. L Chandrasagar	14.05.2014 / Applied	National
13	A Method a prepare microwave synthsised plasma spreayable gadolinium oxide stabalised/ doped Zirconia powder for thermal barrier coating applications	Mechanical	Dr. L. Chandrasagar	14.05.2014 / Applied	National
14	A process to extra liquid dielectric coolant from the Rice Bran oil.	Electrical	Dr. Sumangala B V Dr. G.Nagabhushan Prof. Vasudevamurthy Prof. Champa Prof. Nagashree	30.06.2015 / Applied	National
15	A process to extra liquid dielectric coolant from the sesame oil.	Electrical	Dr. Sumangala B V Dr. G.Nagabhushan Prof. Vasudevamurthy Prof. Champa Prof. Nagashree	30.06.2015 / Applied	National
16	Design and Development of data recovery process for external USB Devices	CSE	Dr.Vijayakumar	16.10.2015/Applied	National
17	A portable and detachable wind mill using non contact bearings (Origin Id OR14C44)	Mechanical	Prof. T. Srinath	30.11.2015/Apllied	National
18	A system and method for providing real time analysis freame work and individual health monitoring using variable devices	CSE	Dr. Gowarishankar	03.06.2016 / Applied	National
19	A process to extra liquid dielectric coolant from the Rice Bran oil.	Electrical	Dr. B.V. Sumangala	06.08.2016 / Patent Granted at canada & USA	Interanational
20	A process to extra liquid dielectric coolant from the sesame oil.	Electrical	Dr. B.V. Sumangala	06.08.2016 / Patent apllied at canada & USA	Interanational

NATIONAL SERVICE SCHEME (NSS) UNIT



Dr. R Murali
N.S.S Officer

The College NSS unit is active with its motto to serve the society. The following activities are regularly organized in the campus :

- Fund Collection for Kodagu flood Relief
- Eye Check Up Camp
- Awareness about Eco Friendly Ganesha Festival
- Awareness about Junk food and Drugs Addiction
- Kodagu Special Camp
- Blood donation camp
- National Unity Day
- Awareness about Eco Friendly Diwali
- World Water Day
- Voter's awareness



STUDENT WELFARE & CULTURAL ACTIVITIES



Dr. T.N. Raju
Students Welfare Officer

The Institute encourage the students to participate in various Techno-cultural events conducted both at the intra / inter-collegiate and university level competitions. The students have won many prizes in various cultural events. In order to look into the students grievances Dr. AIT Student forum has also been formed.

Various students activities organized in the institute are given below:

Maitri

“Maitri” is a celebration in Dr. AIT celebrated in the month of October to welcome its newcomers and to bring forth their new, raw talents and create a platform to build a strong relationship between the student community.



Sanskruithi

Dr. AIT celebrates its annual fest “SANSKRUTHI”, which showcases some of the most talented young minds of the college portraying a high attitude of professionalism through a plethora of cultural events. The event also lays a platform for a healthy competition between different branches of the college and bring together the glory of the college.



Kalarava (Kannada Cultural Fest)

Kannada mithrabalaga is a group started from March 2012 by 2010 batch BE students in Dr.Ambedkar Institute of technology Bangalore. It is an Organizing committee which is creating the awareness about Kannada, KANNADA SAMSKRUTI, AND BHARATIYA SAMSKRUTI etc. It is Led by Dr. T.N Raju (SWO) and supported by College.



Roll of Honours

<p style="text-align: center;">Civil Engineering</p>  <p>USN : 1DA14CV030 Name : Lalremsiami CGPA : 9.13</p>	<p style="text-align: center;">Mechanical Engineering</p>  <p>USN : 1DA14ME124 Name : Shiva Kumar CGPA : 9.26</p>
<p style="text-align: center;">Industrial Engineering & Management</p>  <p>USN : 1DA14IM036 Name : Shaista R CGPA : 8.76</p>	<p style="text-align: center;">Electrical & Electronics Engineering</p>  <p>USN : 1DA14EE013 Name : Fathima Shireen CGPA : 8.93</p>
<p style="text-align: center;">Electronics & Communication Engineering</p>  <p>USN : 1DA14EC147 Name : Umashankar CGPA : 9.29</p>	<p style="text-align: center;">Telecommunication Engineering</p>  <p>USN : 1DA14TE006 Name : Ashwini A.N CGPA : 9.35</p>
<p style="text-align: center;">Electronics & Instrumentation Engineering</p>  <p>USN : 1DA14EI055 Name : Vishakha R Shastri CGPA : 9.07</p>	<p style="text-align: center;">Computer Science & Engineering</p>  <p>USN : 1DA14CS012 Name : Amrutha B.V CGPA : 9.47</p>
<p style="text-align: center;">Information Science & Engineering</p>  <p>USN : 1DA14IS012 Name : Disha Nadig CGPA : 9.18</p>	<p style="text-align: center;">Medical Electronics</p>  <p>USN : 1DA14ML003 Name : Kartik Krishnakanth CGPA : 8.77</p>

Dr. AIT Graduation Ceremony



First Graduation Day was held on 13 September 2014, Administered by Sri. D.V Sadananda Gowda, the then Hon'ble Minister for Railways, Govt. of India, Distinguished Trustees - PVP Welfare Trust, Principal and other members.



Second Graduation Day was held on 7 July 2015, Administered by His Excellency Sri Vajubhaivala, Hon'ble Governor of Karnataka, Padmashree Dr. A.S Kiran Kumar, Chairman, ISRO, Distinguished Trustees - PVP Welfare Trust, Principal and other members.



Third Graduation Day was held on 30 July 2016, Administered by Dr. Narendra Jadhav, Hon'ble Member of Parliament (Rajya Sabha), Former member, Planning Commission of India, Distinguished Trustees - PVP Welfare Trust, Principal and other members.



Fourth Graduation Day was held on 27 July 2017, Administered by Dr. Karisiddappa, Hon'ble Vice-Chancellor, Visvesvaraya Technological University, Belagavi Distinguished Trustees-PVP Welfare Trust, Principal and other members.



Fifth Graduation Day was held on 28 July 2018, Administered by Dr. P. Balaram Hon'ble Former Director, Indian Institute of Science, Bengaluru Distinguished Trustees - PVP Welfare Trust, Principal and other members.