



DEPARTMENT OF INTELLIGENT SYSTEMS

We make IT intelligent...



M.TECH.(IT)
INTELLIGENT SYSTEMS



Intelligence is the ability to learn, exercise judgment and be imaginative....

❖ "Intelligent Systems" is a term to describe computational systems and methods, which simulate aspects of intelligent behavior. Intelligent systems extend conventional technologies to make them fast, dynamic, flexible and adaptive.

❖ The intention is to learn from nature and human performance in order to build more powerful systems.

❖ To train and educate at postgraduate level, engineers of outstanding quality who may become leaders in the IT industry and research profession.

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RESEARCH AREAS & LABORATORIES

State-of-the-art laboratories have been set up particularly to cater to the needs of M. Tech. Students. Students are ready to fit in with ease into commercial as well as research-oriented organizations.

LABS

- Universal Digital Library (Research Lab)
- Image Processing Lab
- Computer Vision Lab
- Wireless Sensor Networks Lab
- Intelligent System Design Lab
- GIS and Remote Processing Lab
- High Performance (Parallel) Computing Lab



RESEARCH AREAS

- Artificial Intelligence
- Advance DBMS
- Data Mining and Warehousing
- Parallel Computing
- Speech & Language Processing
- Human Computer Interaction
- Image Processing
- GIS and Remote Processing,
- Information Retrieval
- Robotics
- and many more....



STUDENT SKILLS



➤ TECHNICAL SKILLS

- Languages: C/C++, JAVA.
- Libraries: OpenCV, OpenCL, CUDA, OpenGL, TBB, FITS.
- Platforms: Oracle, .NET
- OS: UNIX, Linux, Windows.
- TOOLS: MATLAB, MULTISIM, SOAR.

➤ MANAGEMENT SKILLS

COMPLETED PROJECTS

- EEG Signal Classification for Motor Actions
- Font Independent OCR
- Machine Translation
- Eye Gaze based on-screen virtual keyboard
- Visual attendance system
- Intelligent surveillance and tracking system
- Information Retrieval for Indian Languages
- Universal Digital Library (MCIT Project) Computer based Training (WARDEC Project)
- Satellite Image Processing using Parallel Computing

And various other important projects from the government of India and abroad.



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INTERNATIONAL COLLABORATIONS



OUR RECRUITERS



- Carnegie Mellon University, Pittsburgh, USA
- University of California, Riverside, USA
- GIST, Korea
- ETH Zurich, Switzerland
- Ghana Institute of Management and Public Administration (GIMPA), Ghana
- CTIF Aalborg University, Denmark
- Massachusetts Institute of Technology, Boston, USA
- Canberra University, Canberra, Australia
- EPFL, Lausanne, Switzerland
- Sunny Buffalo, USA
- Purvanchal University, Nepal
- Indian Oil Corporation (IOC)
- Erasmus University, Rotterdam, Netherlands
- Erasmus MC: University Medical Centre, Rotterdam
- University of Abertay, Dundee, Scotland
- Southern Taiwan University, Taiwan
- Queensland of Technology, Brisbane, Australia
- Center for TeleInfrastruktur (CTIF), Aalborg University, Denmark

ACCENTURE

ADOBE SYSTEMS

AMDOCS

ARICENT

BHARAT ELECTRONICS

BELZABAR

CGI COMMVAULT

CSC

CISCO

COGNIZANT

DIRECT I

DELOITTE

D.E.SHAW

DRDO

EMC2

FISERV

GLOBAL LOGIC

HUGHES SYSTIQUE

LPU

GOOGLE

HCL

IBM ISL

IBM-GBS

ITC INFOTECH

NEWGEN

ONE93.COM

ONMOBILE

OPERA ORACLE

PATNI COMPUTERS

REDIFF

SAPIENT TCS

THOROGOOD

ASSOCIATES

NI NOMURA

WIPRO

YAHOO

PRICEWATERHO OOPERS

HEWLETT PACKARD

ZS ASSOCIATES

CITRIX

KRITIKAL SOLUTION

KEANE

MAQSOFTWARES

MICROSOFT IDC

...and many more...

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HEAD OF DEPARTMENT



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