

Indian Institute of Information Technology Design and Manufacturing

IITDM Kancheepuram Chennai

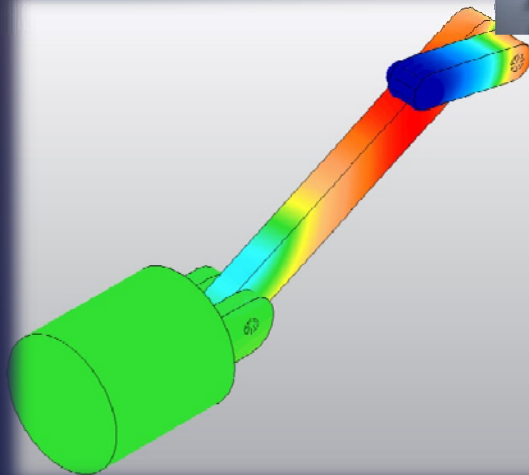
Institute vision

" To become a premier institution of excellence in Design and Manufacturing that would create and develop a new generation of engineers and technologists with the ability and mindset to lead Indian industries in globally competing economic environment"

'Learning by Doing' - ethos of Engineering Design Programmes



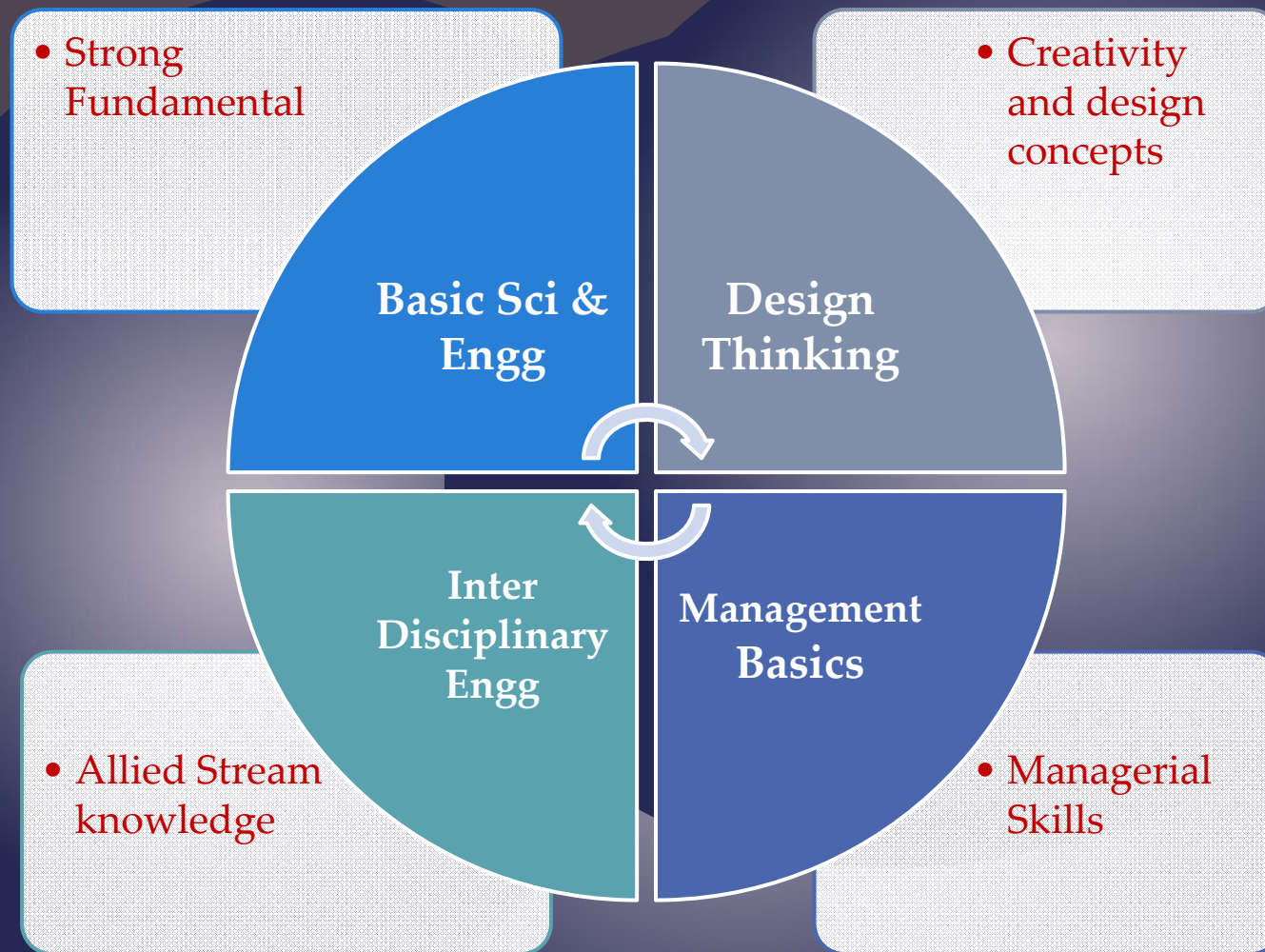
Design Centric Engineering Education



@
IITDM Kancheepuram
Chennai



Design Centric Engineering Education



IIITDM Kancheepuram, Chennai
From 2007 onwards

Programs Offered

❖ Innovative Design Centric Academic Programs

PhD

- Engineering & Science

MDes

- Communication Systems
- Electronic Systems
- Mechanical Systems

BTech

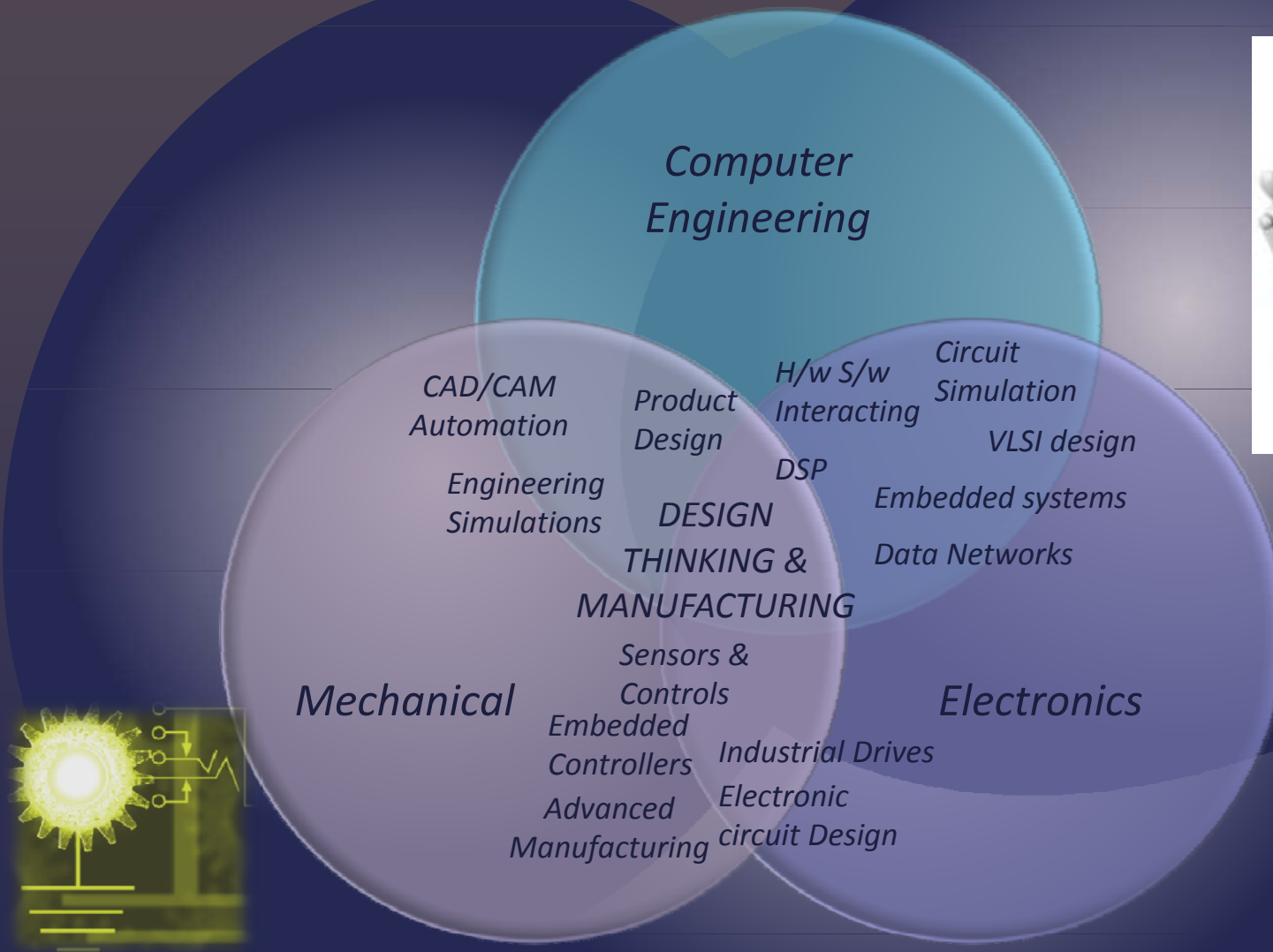
- COE (Computer Engineering)
- EDM (Electronics Engineering– Design & Manufacturing)
- MDM (Mechanical Engineering – Design & Manufacturing)

Dual Degree
(B Tech + M Tech)
(5 Year)

- Computer Engineering
- EDM + Signal processing & Communication System Design
- EDM + VLSI & Electronic System Design
- MDM + Product Design
- MDM + Advanced Manufacturing

For detail course contents refer to Institute webpage www.iiitdm.ac.in

Innovative Interdisciplinary Curricula



➤ IITDM follows “experiential learning approach” and is equipped with state of the art laboratory facilities.

B Tech and Dual Degree Programs

B Tech (UG)	Dual Degree (DD)
<ul style="list-style-type: none"> ➤ Common First Year Courses 	
Across streams facilitating <u>'limited'</u> branch transfer / movement to DD	
<ul style="list-style-type: none"> ➤ Common Second Year for UG and DD in the broad area 	
facilitating movement in PG specialization	
<ul style="list-style-type: none"> ➤ Design Centric Education 	
<ul style="list-style-type: none"> ➤ Industry Intern 	
Four Years (8 Semesters)	Five Years (10 Semesters)
Degree Awarded: B Tech	Degrees Awarded: B Tech + M Tech
UG Specialization Courses from 3rd Semester	PG specialization courses from 5/6th Semester

** Under revision*

Computer Engineering UG & DD

*Novel Curriculum based on ACM – Association of
Computing Machinery recommendations*

**Embedded
Systems**

**Electronic
Circuits**

**Hardware
knowledge**

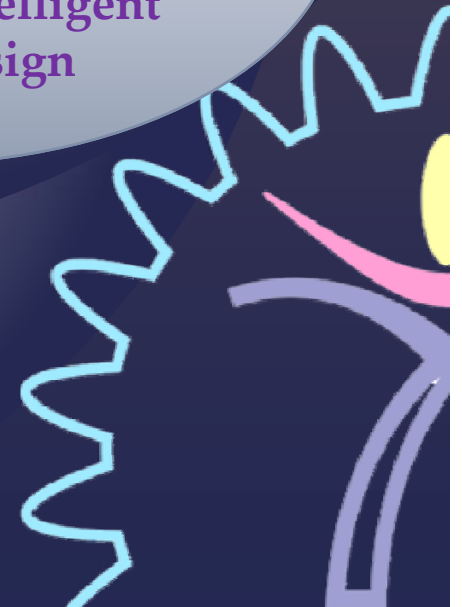
**Computer
Science & Engg**

VLSI

**Process
control**

Networking

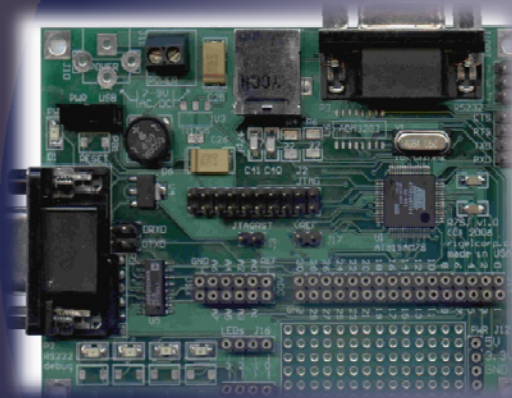
**IIITDM Computer
Engineers are equipped
with electronics and
Computer Science skills
required for Intelligent
Product Design**



Electronics Engineering

Conventional
Electronics Engg

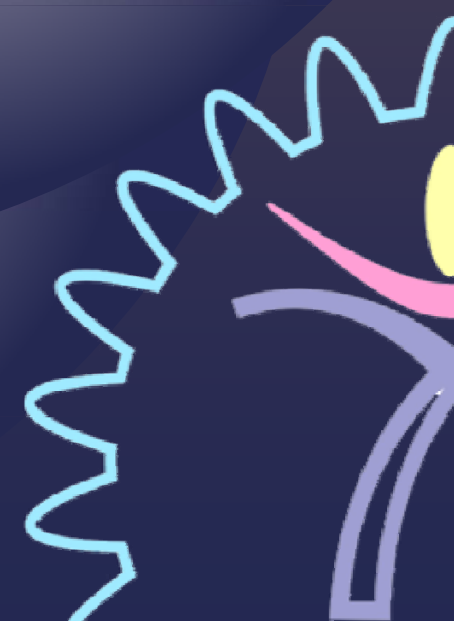
Product
Design



VLSI D&M
Embedded Systems
Power Electronics
Board Level D&M
Product Design
Electronic Manufacturing

Smart
Product
Design

Electronics
(D & M)



Mechanical Engineering



**Successful
Product**

**Creative
Thinking**

Engg Design

**Computer
Science & IT**

**Planning &
Management**

**Design,
Practice
&
Project
based
Learning**

Mechanical

**Electrical &
Electronics**

**New Manufacturing
Methods**

**Basic Science &
Engg**

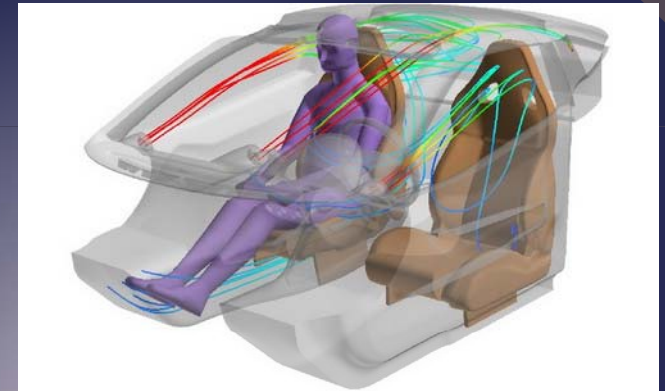
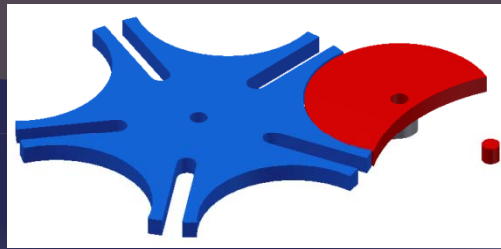
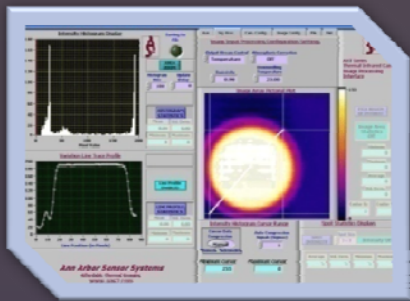


A Blend of courses to meet the demands of modern industry

Learning by Doing

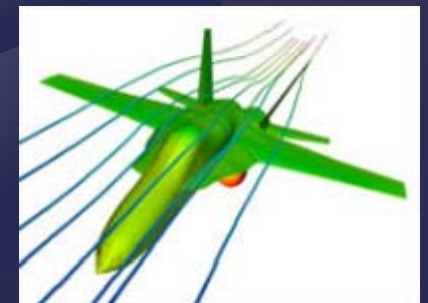
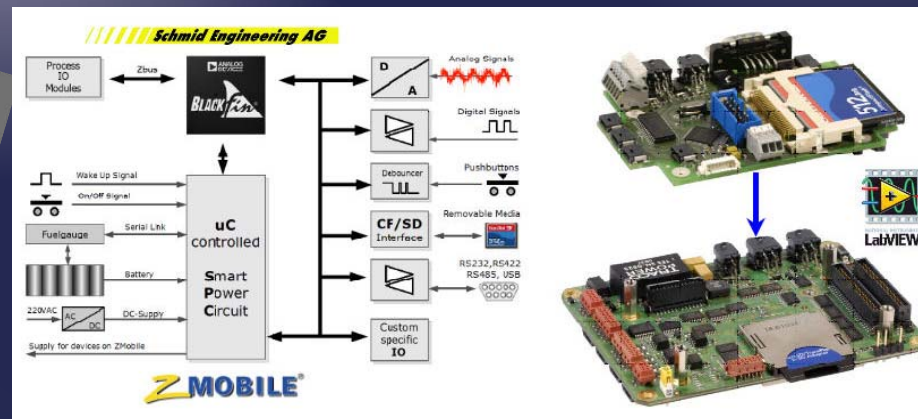
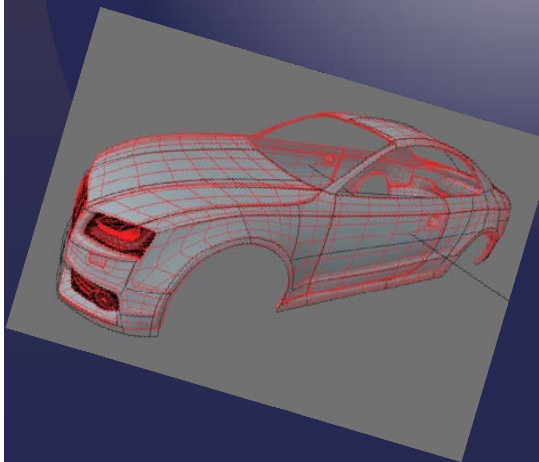


IITDM adopts experiential learning approach and students are trained in the state of the art lab equipments and practices.



Virtual Reality

Training in engineering modeling, analysis and simulation software enables students to visualize real life situations



Future Prospects



Product
Designers

Engineering
Industries

IT & ITES
Industries

Entrepreneur
Organizations

Civil and Engg Services of
Govt. of India

Higher Studies in
Engineering

Higher Studies
in Management

Employment
Opportunities

Higher
Studies

IIITD&M
Engineers



Research Facilities

- Institute provides world class facilities to students in the form of lab equipments, software & library resources
- Institute laboratories are equipped with state of the art & hi-tech equipments to facilitate experiential learning and cutting edge research/development
- Institute has dedicated Design Studio with high end workstations and advanced design software packages to carry out innovative design activities

