Fees

@ Rs 2,500/-

Fees Payment:

Beneficiary: M/s Registrar IGDTUW COE AMS,
A/c No: 09001000021225,
IFSC Code: PSIB0001098
Bank: Punjab & Sind Bank, GGSIPU, Kashmere Gate, Delhi-110006.
Mode: Online Payment / Draft/ Cheque
Swift Code: PSIBINBB022
BSR Code: 0370961

Ongoing Projects at CoE AMS:

1) EV Bike & Car

2) DIY -Drones

Upcoming Labs:

1. Mechatronic Concept Designing lab (**operational**)
2. Virtual Commissioning Lab
3. Digital Twin Lab
4. Industrial Internet of Things Lab
5. Virtual Reality Lab
6. Prototype Building lab using Grinding Application Robot;
7. Mechatronics & Factory Automation Lab;
8. Additive Manufacturing - 3 D printer lab;
9. CNC Vertical Machining lab.

Contact us:

Faculty:
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IGDTUW, Kashmere Gate, Delhi-10006

CoE- AMS

offers

GEC Course on Topic: Introduction to CATIA V5

Register at:

https://sites.google.com/view/advanced-mechatronics/home

Duration- 32 Hours
Registration close on: 21st October 2022)
All Classes in Hybrid Mode from 22-10-22
Note: For Male students, only online mode is available.

Brief About IGDTUW:

Indira Gandhi Delhi Technical University for Women (IGDTUW) has been upgraded from Indira Gandhi Institute of Technology (IGIT) in May 2013 vide Delhi State Legislature Act 9, 2012, as a non- affiliating teaching and research University at Delhi to facilitate and promote studies, research, technology, innovation, incubation and extension work in emerging areas of professional education among women, with focus on engineering, technology, applied sciences, management and its allied areas with the objective to achieve excellence in these and related fields.

IGIT was established in 1998 by Directorate of Training and Technical Education, Govt. of N.C.T of Delhi as the first engineering college for women only. From 2002- 2013, the college remained as a constituent college of Guru Gobind Singh Indraprastha University.

Our Moto: Women Education, Women Empowerment and Women Enlightenment .

Website: https://www.igdtuw.ac.in/

About CoE- AMS:

Inspired by the demands of Industrial Automation, the Centre of Excellence (CoE) in Advanced Mechatronics System (AMS) has been setup at the University with support from Delhi Knowledge Development Foundation (DKDF). The CoE is aimed to provide the state-of-the-Art high speed computation facility for sophisticated Laboratories for CAD- Computer Aided Design for Mechatronic Concept Design, Virtual Commissioning, integration with equipment's for Mechatronics Hardware Design for Industry

Automation, Digital Twin, Industrial Internet of things, Rapid Prototyping, CNC Programming and Robot Programming to train and prepare students for Industry 4.0 and also to provide an opportunity for promising innovations and Industry Interactions.

Working with a Moto of '**Skill India to Make in India'**, CoE- is offering Internships, trainings, General Elective Courses (GEC) and research guidance for promising innovations to students and working professionals.

Login through: https://www.igdtuw.ac.in/

About Course: "Introduction to CATIA V5"

Course Code: CoE-AMS GEC 01 Contact Hours: L-0 T-0 P-4	Duration: 32 Hrs Course Category: GEC

Introduction: The basic aim of this General Elective Course is to impart skills on CATIA V5 Design Software being used in Industry, so that students get the required knowledge and learn technique to implement design projects in time bound manner.

Course Objective:
The course is designed for students :
- To learn the interface of CATIA V5 software.
- To learn developing digital model of a hardware component and Assembly.
- To learn generating Engineering Drawings.
- To learn designing for static loading using structure analysis tools in the software.

Course Outcomes:
Having successfully completed ,the student will be able to:
- Work on Sketcher Module & develop sketch sheet;
- Develop Part structures and make digital twin of a hardware component;
- Develop digital twin of Assemblies;
- Create Engineering Drawings for Shop-floor;
- Perform Stress Analysis and generate result sheets for static loading.
- Work on design projects and generate reports.

Detailed Syllabus at:
https://sites.google.com/view/advanced-mechatronics/gec-courses