AERO NEWSLETTER

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VISION

The Department of Aeronautical Engineering is committed to providing quality education fostering excellence in academics, research and innovation to produce aeronautical engineers who can contribute to society on a global scale.

MISSION

M1: To provide outcome-oriented learning that is based on research and innovation.
M2: To encourage cross-disciplinary learning and interaction with the global community.
M3: To enable a holistic education that is deeply rooted in social values.

ADVANCED ANSYS-WORKBENCH TRAINING

24 TO 26/08/2018

DEPARTMENT OF AERONAUTICAL ENGINEERING SUCCESSFULLY CONDUCTED THE 3-DAY SKILL DEVELOPMENT WORKSHOP ON ANSYS® WORKBENCH AND MATLAB® TOOLS ON 24, 25 & 26 AUGUST 2018.

THE HANDS-ON SESSION WITH FORTY IN-HOUSE PARTICIPANTS FOCUSED ON APPLICATION ON USE OF THE ANSYS & MATLAB TOOLS THROUGH AMPLE PRACTICE EXERCISES, EXHAUSTIVE DEMOS AND SELF-TEST ASSIGNMENTS. THE RESOURCE PERSON FROM INDUSTRIES -COREEL TECHNOLOGIES, NATIONAL AEROSPACE LABORATORIES AND TYCO ELECTRONICS- TE CONNECTIVITY LTD MADE THE EVENT ALL THE MORE FRUITFUL BY DISCUSSING CURRENT INDUSTRIAL PROBLEMS AND THEIR SOLUTIONS.

THE WORKSHOP WAS ORGANIZED UNDER THE GUIDANCE OF DR. S K MAHARANA AND WAS EFFECTUATED BY PROF. SWETHA S, PROF. STEFFI THANGACHAN AND PROF. MAHANTAYYA K H.

INVITED TALK - INTERNET OF AIRCRAFT THINGS

08/10/2018

DEPARTMENT OF AERONAUTICAL ENGINEERING ORGANIZED AN INVITED TALK ON 'INTERNET OF AIRCRAFT THINGS' 08 OCTOBER 2018 AT MBA SEMINAR HALL.
THE SPEAKER MR. AMARNATH N S RETIRED AS SENIOR VICE PRESIDENT IN SAMSUNG ELECTRONICS HAS OVER 30 YEARS OF EXPERIENCE IN THE SOFTWARE AND SYSTEMS ENGINEERING INDUSTRY. HE WAS A PART OF A GLOBAL TEAM THAT CREATED THE ENTERPRISE MOBILITY BUSINESS FOR SAMSUNG, AND MANAGED IOT PLATFORMS AND HEALTHCARE OFFERINGS AS WELL.
HIS EXPERIENCE IN IOT IN SAMSUNG ELECTRONICS LED HIM TO ESTABLISH TECHNUEVA SOLUTIONS WHICH PROVIDES SECURE PLANT/SHOP FLOOR SOLUTIONS FOR DISCRETE MANUFACTURING FOCUSING ON END-TO-END VIABILITY OF THE MANUFACTURING PROCESS.

INVITED TALK - INNOVATIONS & PRISM FUNDING SCHEMES.

DEPARTMENT OF AERONAUTICAL ENGINEERING CONDUCTED AN INVITED TALK ON ‘INNOVATIONS & PRISM FUNDING SCHEMES’ ON 28 NOVEMBER 2018 AT MBA SEMINAR HALL.
THE SPEAKER MR.KARTHIKEYAN T A SENIOR SCIENTIST WORKING WITH CSIR-NAL IS ALSO THE COORDINATOR FOR DSIR –PRISM FUNDING SCHEMES. HE AIDS THE INNOVATORS, GUIDING THEM AND MONITORING THE PROJECTS TILL COMPLETION.
PROMOTING INNOVATIONS IN INDIVIDUALS START-UPS AND MSME" (PRISM) IS THE ERSTWHILE "TECHNOPRENEUR PROMOTION PROGRAMME” (TEPP). TEPP IS AN INITIATIVE OF DEPARTMENT OF SCIENCE AND TECHNOLOGY, GOVT. OF INDIA TO TRANSFORM AN INDIVIDUAL INNOVATOR INTO A SUCCESSFUL TECHNOPRENEUR BY PROMOTING, SUPPORTING, FUNDING UNTAPPED CREATIVITY OF INDIVIDUAL INNOVATORS.”TEPP” WAS LAUNCHED BY THE MINISTRY OF SCIENCE AND TECHNOLOGY IN 1998-99 AND WAS JOINTLY OPERATED BY THE DEPARTMENT OF SCIENTIFIC AND INDUSTRIAL RESEARCH (DSIR) AND TECHNOLOGY INFORMATION, FORECASTING AND ASSESSMENT COUNCIL (TIFAC) OF THE DEPARTMENT OF SCIENCE AND TECHNOLOGY (DST) BUT AT PRESENT IT IS OPERATED BY DSIR ALONE SINCE MAY 2008.

PRISM IS FOR BUDDING STUDENTS, PROFESSIONALS AND COMMON CITIZENS INTERESTED IN INNOVATION AND HAVING AN IMPLEMENTABLE AND COMMERCIALLY VIABLE, NOVEL INNOVATION. AN INNOVATOR OF INDIAN NATIONALITY, INTERESTED IN INNOVATION IS PROVIDED GRANT –IN-AID SUPPORT BY PRISM DSIR FOR PROTOTYPE DEVELOPMENT AND COMMERCIALIZATION SUBJECT TO COMPLETION OF SANCTION OF PROJECT WHICH INCLUDES EVALUATIONS, TECHNICAL AND FINANCIAL VIABILITY AS WELL AS COMMERCIALLY VIABLE ANALYSIS. \
PRISM -DSIR ALSO HELPS THE INNOVATORS TO GET ACQUAINTED WITH THE FUNDAMENTALS OF PATENTING AS WELL AS TECHNICAL AND STRATEGIC ASSISTANCE IN IDEA DEVELOPMENT.

MR. KARTIKEYAN BRIEFED ON THE PROCESS AND THE CATEGORIES UNDER PRISM FUNDING SCHEMES THAT ARE USEFUL FOR STUDENTS AND FACULTIES. THE TALK WAS ORGANIZED UNDER THE AERONAUTICAL FORUM UDAAN, UNDER THE GUIDANCE OF DR S K MAHARANA AND WAS COORDINATED BY PROF. MAHANTAYYA K H.

PEO'S

PEO1: EMPLOYABILITY: GRADUATES OF THE PROGRAMME SHALL HAVE THE ABILITIES REQUIRED FOR EMPLOYMENT IN THE CORE INDUSTRIES, ACADEMIC FIELDS, AND MULTIDISCIPLINARY FIELDS.

PEO2: ADVANCEMENT: GRADUATES OF THE PROGRAMME SHALL HAVE PROFESSIONAL ADVANCEMENT IN THE MANAGEMENT, ENTREPRENEURSHIP AND INDUSTRIES.

PEO3: CONTRIBUTION: GRADUATES OF THE PROGRAMME SHALL HAVE CREATIVE IDEAS AND THE POTENTIAL TO SUPPORT THE AVIATION INDUSTRY NEEDS.

PEO4: LIFELONG LEARNING: GRADUATES OF THE PROGRAMME SHALL HAVE A NEVER-ENDING DESIRE TO LEARN AND BE ABLE TO ADAPT NEW TECHNOLOGY DEVELOPMENTS TO THE NEEDS OF CHANGING INDUSTRIAL ENVIRONMENTS.

PSO'S

1. THE ABILITY TO APPLY AERONAUTICAL ENGINEERING FUNDAMENTALS IN THE SPHERE OF INDUSTRIES SUCH AS AEROSPACE.
2. THE ABILITY TO TRANSLATE NUMERICAL AND EXPERIMENTAL RESULTS FOR PROPULSION SYSTEMS, STRUCTURAL COMPONENTS, FLIGHT VEHICLE AERODYNAMICS, AND CONTROL SYSTEMS.
3. THE ABILITY TO ADVANCE IN THE CHOSEN FIELD.
4. THE ABILITY TO BROADEN THE SCOPE OF LEARNING TO INCLUDE SOCIALLY RELEVANT ACTIVITIES.