



AERO MAGAZINE

2022-2023

ISSUE - 5



**"IF YOU SET YOUR GOALS
RIDICULOUSLY HIGH AND IT'S A
FAILURE, YOU WILL FAIL ABOVE
EVERYONE ELSE'S SUCCESS".
-JAMES CAMERON**



MOTTO OF OUR COLLEGE

"NURTURING ASPIRATIONS SUPPORTING GROWTH"

VISSION OF OUR COLLEGE

"ACHARYA INSTITUTES,
COMMITTED TO THE CAUSE OF
VALUE-BASED EDUCATION IN ALL
DISCIPLINES, ENVISIONS ITSELF
AS A FOUNTAINHEAD OF
INNOVATIVE HUMAN
ENTERPRISE, WITH
INSPIRATIONAL INITIATIVES FOR
ACADEMIC EXCELLENCE"





VISION OF OUR DEPARTMENT

THE DEPARTMENT OF AERONAUTICAL
ENGINEERING IS COMMITTED TO
IMPART QUALITY
EDUCATION FOSTERING EXCELLENCE IN
ACADEMICS, RESEARCH AND
INNOVATION TO DEVELOP
GLOBALLY COMPETENT AERONAUTICAL
ENGINEERS CONTRIBUTING TO THE
SOCIETY.



MISSION OF OUR DEPARTMENT

M1: TO OFFER OUTCOME-BASED LEARNING THAT
ENCOMPASSES RESEARCH AND INNOVATION.

M2: TO PROMOTE INTERDISCIPLINARY LEARNING AND
INTERACTION WITH THE GLOBAL COMMUNITY.

M3: TO ENABLE HOLISTIC EDUCATION ENGROSSSED
WITH SOCIAL VALUES.



“DIGANTHA 2K23”

ON 11TH APRIL 2023, THE ART AND CULTURAL CLUB HOSTED A CULTURAL EVENT ENTITLED “DIGANTHA 2K23”, ORGANIZED BY THE DEPARTMENT OF AERONAUTICAL ENGINEERING. THE EVENT WAS A LIVELY AND COLORFUL STAGE PERFORMANCE FEATURING VARIOUS CULTURES AND TRADITIONS. THE TALENTED STUDENTS OF THE AERONAUTICAL ENGINEERING DEPARTMENT PUT ON A MAGNIFICENT SHOW, WHICH WAS SUPERVISED BY MS. VARSHA N.





DR. S K MAHARANA

AS A PART OF THE AERONAUTICAL ENGINEERING DEPARTMENT, WE BELIEVE THAT ALL GREAT THINGS BEGIN WITH THE PROMISE OF SOMETHING NEW AND EXCITING. IN LINE WITH THIS, WE ARE TAKING THE INITIATIVE TO ACTIVATE AND MAINTAIN FABULOUS AND EXTRAORDINARY OUTCOME-BASED EDUCATION (OBE) PRACTICES.

OUR AIM IS TO CULTIVATE A CULTURE OF CONTINUOUS IMPROVEMENT AND INNOVATION WITHIN OUR DEPARTMENT. BY IMPLEMENTING OBE PRACTICES, WE WILL ENSURE THAT OUR STUDENTS RECEIVE A WELL-ROUNDED EDUCATION THAT PREPARES THEM FOR THE DYNAMIC AND EVOLVING FIELD OF AERONAUTICAL ENGINEERING.

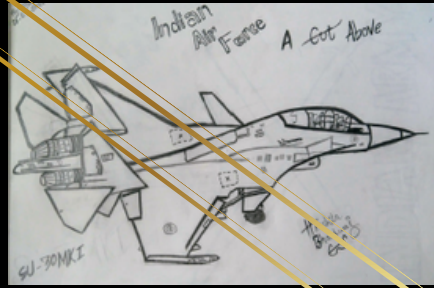
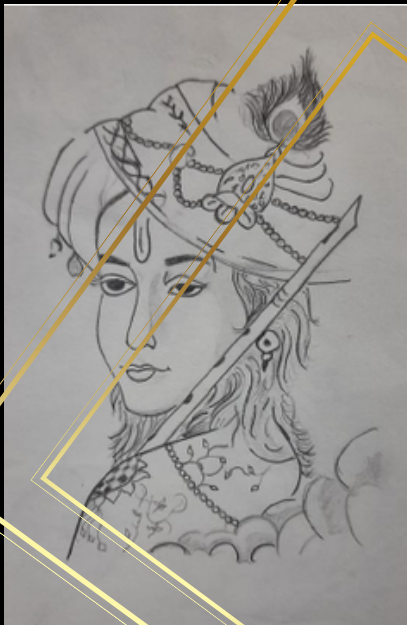
-HOD AE,
CHIEF ADVISOR

VISIT TO SARAKARI KIRIYA PRATHAMIKA SCHOOL GANIGARANAHALLI, FOR NSS AND ACITE ACTIVITIES



THIS VISIT, BY 63 STUDENTS OF AERONAUTICAL ENGINEERING TO SARAKARI KIRIYA PRATHAMIKA SCHOOL IN GANIGARANAHALLI BANGALORE ON THE 14TH AND 18TH OF MARCH 2023. THIS VISIT PROVIDED A GREAT OPPORTUNITY FOR OUR STUDENTS TO DEVELOP THEIR COMMUNICATION AND NETWORKING SKILLS AND TO GAIN EXPOSURE TO THE ACTIVITIES OF NSS AND ACITE.





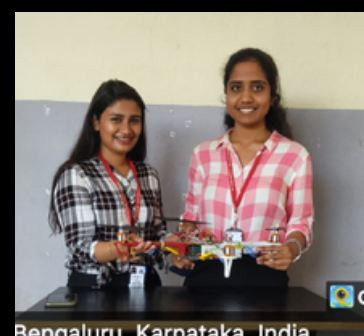
DR. SWETHA S

THE DEPT. OF AE TAKES IMMENSE PRIDE IN UNLEASHING THE FIRST EVER E-MAGAZINE OF DEPARTMENT "ACHARYA AERO MAGAZINE". I HOPE THIS PLATFORM SHALL BE FRUITFULLY USED BY THE FRATERNITY OF AE TO SHARE AND SHOWCASE THEIR IMCPTABLE WORKS. KNOWLEDGE & EXPERIENCES ARE ALWAYS WORTH SHARING

-ASSOCIATE PROFESSOR, AE
EDITOR IN CHIEF

INTRA INSTITUTIONAL PROJECT EXHIBITION IIC

ON MAY 24TH, 2023, A DYNAMIC EVENT UNFOLDED, BRINGING TOGETHER 53 PARTICIPANTS WITH THE SHARED OBJECTIVES OF ENHANCING AWARENESS AND INTEREST IN STUDENT PROJECTS AND RESEARCH, FOSTERING VALUABLE FEEDBACK AND INSIGHTS, INSPIRING FUTURE INNOVATION AND RESEARCH ENDEAVORS, AND RECOGNIZING THE EXCEPTIONAL EFFORTS OF THE MOST OUTSTANDING PROJECT AS A MEANS TO MOTIVATE STUDENTS TOWARDS FURTHER INNOVATION. THIS GATHERING SERVED AS A PLATFORM FOR STUDENTS TO SHOWCASE THEIR REMARKABLE PROJECTS AND RESEARCH INITIATIVES, CAPTURING THE ATTENTION AND CURIOSITY OF A DIVERSE AUDIENCE.



Bengaluru, Karnataka, India

CULTURAL EVENT- BON VOYAGE

ON JUNE 6TH, 2023, A VIBRANT AND INCLUSIVE EVENT UNFOLDED, BRINGING TOGETHER 85 PARTICIPANTS WITH THE COLLECTIVE OBJECTIVES OF ORGANIZING SUCCESSFUL CULTURAL EVENTS, ACTIVITIES, AND COMPETITIONS, FOSTERING THE DEVELOPMENT OF STUDENTS IN CULTURAL ACTIVITIES, ENCOURAGING AND PROMOTING THEIR TALENTS, CELEBRATING CULTURAL DIVERSITY, AND NURTURING THEIR INNER SKILLS TO PARTICIPATE IN BOTH INTRA AND INTERCOLLEGIATE LEVELS. THE EVENT SERVED AS A PLATFORM FOR STUDENTS TO SHOWCASE THEIR DIVERSE CULTURAL TALENTS, FOSTERING AN ENVIRONMENT OF CREATIVITY AND EXPRESSION. THROUGH A RICH ARRAY OF PERFORMANCES, EXHIBITIONS, AND INTERACTIVE SESSIONS, PARTICIPANTS WERE ABLE TO CAPTIVATE THE AUDIENCE AND LEAVE A LASTING IMPACT

PROGRAM SPECIFIC OUTCOMES

PSO1: ELEMENTS OF AIRCRAFT COMPONENTS AND THEIR OPERATIONS

PSO2: FLIGHT VEHICLE DESIGN AND DEVELOPMENT

PSO3: AIRCRAFT THERMAL AND FLUID STRUCTURE INTERACTION

PSO4: AIRCRAFT AVIONICS, STABILITY AND CONTROL

PROGRAM EDUCATIONAL OUTCOMES

PEO1: EMPLOYABILITY

PEO2: ADVANCEMENT

PEO2: ADVANCEMENT

PEO4: LIFELONG LEARNING

EMPOWERING STUDENTS AND FACULTY FOR PROGRESSIVE TEACHING AND RESEARCH OUTCOMES



ON AUGUST 6, 2023, A WEBINAR ON THE "OVERVIEW OF RESEARCH CULTURE IN ENGINEERING SOCIETY" WAS CONDUCTED WITH A PARTICIPATION OF 110 ATTENDEES. THE EVENT WAS ORGANIZED BY DR. MUTHUKUMAR, ASSOCIATE PROFESSOR, WHO COMMENCED THE SESSION BY EXTENDING A WARM WELCOME TO THE ESTEEMED DIGNITARIES AND RESOURCE PERSONS.

THE OPENING SPEECH WAS DELIVERED BY PROF. C K MARIGOWDA, VICE PRINCIPAL OF ACHARYA INSTITUTE OF TECHNOLOGY. HIS ADDRESS SET THE TONE FOR THE SEMINAR AND EMPHASIZED THE IMPORTANCE OF FOSTERING A STRONG RESEARCH CULTURE IN THE ENGINEERING COMMUNITY.

THE KEYNOTE ADDRESS WAS THEN GIVEN, PROVIDING A GLIMPSE INTO THE WORLD OF INNOVATION. THE FIRST SPEAKER, PROF. K.R.V SIMHA, SHARED VALUABLE INSIGHTS ON VARIOUS ASPECTS OF INTELLECTUAL PROPERTY RIGHTS WITHIN THE ENGINEERING SOCIETY. HE DISCUSSED TOPICS SUCH AS PATENTS, INDUSTRIAL DESIGNS, COPYRIGHTS, TRADEMARKS, AND GEOGRAPHICAL INDICATIONS, SHEDDING LIGHT ON THEIR SIGNIFICANCE AND RELEVANCE IN THE FIELD.



EDUCATIONAL VISIT TO AERO INDIA, VELAHANKA BENGALURU.



ON FEBRUARY 13, 2023, THE PRESTIGIOUS AERO INDIA 2023, AN AVIATION EXHIBITION AND AIR SHOW, TOOK PLACE AT THE VELAHANKA AIR FORCE STATION IN BANGALORE. ORGANIZED BY THE MINISTRY OF DEFENSE'S EXHIBITION ORGANIZATION, THIS EVENT IS RENOWNED AS THE LARGEST AIR SHOW IN ASIA. WITH THE THEME "THE RUNWAY TO A BILLION OPPORTUNITIES," AERO INDIA 2023 BROUGHT TOGETHER VARIOUS ORGANIZATIONS, INCLUDING THE INDIAN AIR FORCE, HINDUSTAN AERONAUTICAL LIMITED, DEFENSE RESEARCH AND DEVELOPMENT ORGANIZATION (DRDO), DEPARTMENT OF SPACE, AND THE UNION CIVIL AVIATION MINISTRY.

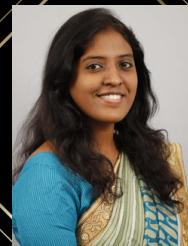
THE EVENT WITNESSED THE PARTICIPATION OF OVER 80 COUNTRIES, WITH REPRESENTATIVES FROM 63 INTERNATIONAL CEOS AND ORIGINAL EQUIPMENT MANUFACTURERS (OEMS) IN ATTENDANCE. MINISTERS FROM 30 DIFFERENT NATIONS ALSO GRACED THE OCCASION. ADDITIONALLY, MORE THAN 800 DEFENSE BUSINESSES, INCLUDING 100 INTERNATIONAL ENTERPRISES AND 700 INDIAN ENTERPRISES, CONTRIBUTED TO THE SUCCESS OF AERO INDIA 2023.





PROGRAM OUTCOMES

1. **ENGINEERING KNOWLEDGE**
2. **PROBLEM ANALYSIS**
3. **DESIGN/DEVELOPMENT OF SOLUTIONS**
4. **CONDUCT INVESTIGATIONS OF COMPLEX PROBLEMS**
5. **MODERN TOOL USAGE**
6. **THE ENGINEER AND SOCIETY**
7. **ENVIRONMENT AND SUSTAINABILITY**
8. **ETHICS**
9. **INDIVIDUAL AND TEAM WORK**
10. **COMMUNICATION**
11. **PROJECT MANAGEMENT AND FINANCE**
12. **LIFE-LONG LEARNING**



“There
is no substitute
for hard
work.”

-MS.VARSHA N
CHIEF EDITOR



DR. S K MAHARANA
-HOD AE,
CHIEF ADVISOR



DR. SWETHA S
-ASSOCIATE PROFESSOR
EDITOR IN CHIEF



MS. VARSHA N
- CHIEF EDITOR



MR. AMAR GANDGE
-EDITOR

