ACS COLLEGE OF ENGINEERING

Affiliated to VTU, Belagavi, Approved by AICTE New Delhi and Govt. of Karnataka

(A Unit of RajaRajeswari Group of Institutions)

Mysore Road, Bengaluru, Karnataka.

NAAC 'A' Accredited

DEPARTMENT OF AERONAUTICAL ENGINEERING

NEWSLETTER – (2021-22)

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Ms. SPOORTHI -1AH18AE054
IV Year - Department of Aeronautical Engineering

ABOUT AERONAUTICAL DEPARTMENT

The Department of Aeronautical Engineering aims to provide talented, motivated and competent students with Aeronautical engineering curriculum of the highest quality, that will enable them to reach the global standard.

COURSES OFFERED

B.E – AERONAUTICAL ENGINEERING

With the intensions to fulfill the increasing demands of skilled manpower in Aero-based industries and hence to serve the society, the Department of Aeronautical Engineering was established in year 2010 with under Graduate Course in Bachelor of Engineering in Aeronautical Engineering under VTU, Belgaum. The course is approved by AICTE, New Delhi and nine batches have been graduated successfully.

2017 – 2021 BATCH STUDENTS

राष्ट्रीय प्रत्यायन बोर्ड
चौथा तल, ईस्ट टावर, एन. बी. सी. सी. प्लेस, भीष्म पितामह मार्ग, प्रगति विहार, लोधी रोड़, नई दिल्ली -110003
NATIONAL BOARD OF ACCREDITATION
4th Floor, East Tower, NBCC Place, Bhisham Pitamah Marg, Pragati Vihar, Lodhi Road, New Delhi 110003

File No. 25-175-2015-NBA

Date 29-06-2022

To
The Principal
ACS College of Engineering, No.207,
Kambi Pura, Mysore Road, Bangalore-560074,
Karnataka

Subject: **Further accreditation status on the basis of Compliance Report of the programs in Tier II offered by ACS College of Engineering, No.207, Kambi Pura, Mysore Road, Bangalore-560074, Karnataka.**

Sir,

This is regarding Compliance Reports submitted by **ACS College of Engineering, No.207, Kambi Pura, Mysore Road, Bangalore-560074, Karnataka** for the UG Engineering programs which were accredited by NBA in Tier-II for academic years 2018-19 to 2020-21 whose validity of accreditation had expired on 30.06.2021. The programs were granted accreditation for AY 2021-22 i.e up to 30-06-2022 due to present pandemic situation.

2. An Expert Team conducted data verification of the programs on 29th May, 2022. The report submitted by the Expert Team was considered by the concerned Committees constituted for the purpose in NBA. The Competent Authority in NBA has approved the following accreditation status to the programs as given in the table below:

Sl. No	Name of the Program(s) (UG)	Basis of Evaluation	Accreditation Status	Period of validity	Remarks
(1)	(2)	(3)	(4)	(5)	(6)
1.	Aeronautical Engineering	Tier-II June 2015 Document	Accredited	Academic Years 2022-2023 to 2024-2025 i.e. upto 30-06-2025	Accreditation status granted is valid for the period indicated in Col.5 or till the program has the approval of the Competent Authority, whichever is earlier.
2.	Biomedical Engineering		Accredited		

3. It may be noted that only students who graduate during the validity period of accreditation, will be deemed to have graduated with an NBA accredited degree.

4. The programs have been granted accreditation for further 3 years. **ACS College of Engineering, No.207, Kambi Pura, Mysore Road, Bangalore-560074, Karnataka** should submit fresh online application under First Cycle SAR Tier II June 2015 document through eNBA portal at least five months before the expiry of validity of accreditation mentioned above.

5. The accreditation status awarded to the programs as indicated in the above table does not imply that the accreditation has been granted to **ACS College of Engineering, No.207, Kambi Pura, Mysore Road, Bangalore-560074, Karnataka** as a whole. **As such the Institution should nowhere along with its name including on its letter head etc. write that it is accredited by NBA because it is program accreditation and not Institution accreditation. If such an instance comes to NBA's notice, this will be viewed seriously.** Complete name of the program(s) accredited, level of program(s) and the period of validity of accreditation, as well as the Academic Year from which the accreditation is effective should be mentioned unambiguously whenever and wherever it is required to indicate the status of accreditation by NBA.

6. The accreditation status of the above programs is subject to change on periodic review, if needed by the NBA. It is desired that the relevant information in respect of accredited programs as indicated in the table in paragraph 2,

Contd/..

FACULTY DETAILS

PARTICULARS	QUANTITY
TEACHING FACULTY	16
NON TEACHING FACULTY	4
COMPLETED Ph. D	5
PURSUING Ph. D	5
M.E/M.TECH/M.S	11

STUDENT DETAILS

PARTICULARS	QUANTITY
I –YEAR	72
II – YEAR	64
III – YEAR	86
IV –YEAR	65
Total	287

DEPARTMENT LABORATORIES

- Aerodynamics Laboratory
- Propulsion Laboratory
- Structures Laboratory
- Flight Simulation Laboratory
- Mechanical Measurements and Metrology Laboratory
- Machine shop laboratory
- Design , Modeling and Analysis Laboratory
- Energy Conversion Laboratory
- Aero Modelling Laboratory
- Material Testing Laboratory
- Avionics and Instrumentation Laboratory
- IRNSS Laboratory
- Navigation and Space research lab

DEPARTMENT LABORATORIES

AERODYNAMICS LABORATORY

This lab is having a Low Speed Subsonic Wind Tunnel with maximum velocity of 20 m/sec in the rectangular test section. It is used for measurement of pressure distribution over airfoils, determination of boundary layer over flat plate, flow visualization over delta wing model etc.

PROPULSION LABORATORY

The laboratory facilitates various experiments related to heat transfer, combustion, multiphase flow, propulsion and thermal engineering. The students can work with many flow, pressure and temperature measuring sensors/ associated data acquisition systems of industrial standards for their experiments.

STRUCTURES LABORATORY

Objective of this lab is to reinforce the concepts of aerospace structures/mechanics of structures, which pose significant application in Aerospace Engineering. Wide range of experimental options using Column buckling apparatus, Unsymmetrical bending / shear Centre and cantilever beam apparatus etc., are made available in this lab.

ENERGY CONVERSION LABORATORY

This lab will help students to see how energy can be converted from one form to another. Students will observe the loss in useful energy as a result of such a conversion and measure the efficiency for such conversions.

DEPARTMENT LABORATORIES

MEASUREMENTS & METROLOGY LAB

The purpose of this laboratory is; to familiarize students with laboratory measuring devices, to study the measurements methods, to learn proper measuring techniques through simple measurements and to learn to express the results of calculations

MACHINE SHOP LAB

Students learn how to use different machines and are trained on developing various models. Understand integral parts of lathe, shaping and milling machines and various accessories and attachments used.

DESIGN, MODELING & ANALYSIS LAB

This is a lab where the students get opportunity to familiarize various modelling, drafting and analysis software packages such as AutoCAD, CATIA, SOLIDWORKS, Autodesk Hypermesh, etc. The design and analysis experience gained through CAD lab mould our students capable of contributing meaningfully in the design/analysis of payload/satellite structures in various space projects at institute level.

SIMULATION LABORATORY

This laboratory deals with simulation and Estimation of the aircraft performance for various flight maneuvering conditions and atmospheric condition. The aircraft performance analysis is carried out with the MATLAB code, developed based on flight mechanics analytical expressions. This lab will provide a hands on experience for the students to work on various design features of aircraft for enhancing specific flight mission requirements.

DEPARTMENT LABORATORIES

FOUNDRY & FORGING LAB

To provide an insight into different sand preparation and foundry equipment. To provide an insight into different forging tools and equipment and arc welding tools and equipment. To provide training to students to enhance their practical skills in welding, forging and hand moulding.

MATERIAL TESTING LAB

Material testing lab is used to perform destructive testing of different kind of materials and make the students to get the experience the mechanical characteristics of sample materials on first-hand basis.

FLIGHT SIMULATOR

Flight simulator is an advanced training platform focuses on general aviation which forms the basic building block for students/trainees. Learn & practice the concept of manoeuvring, navigation under visual or instrument flight conditions. Digital Avionics Radio stack gives the best training environment to practice radio and Flight navigation procedures

IRNSS LABORATORY

IRNSS lab is having two multi-constellation receivers used for monitoring GPS and IRNSS signals round the clock. The received signal is used for IRNSS Navigation Receiver Field Trail and Data Collection.

RESEARCH FACILITIES

Tumansky R – 25 – 300 Series Supersonic Jet Engine

The Russian Tumansky R – 25 – 300 Series Engine was built under license by HAL in India for MIG 21 BIS fleet aircraft. It is a supersonic jet engine with straight flow. The engine is having a feature of axial flow turbo jet engine with increased overall pressure ratio and airflow. It has a twin spool axial flow 8 stage compressor which comprises of 3 stage low pressure compressor and 5 stage high pressure compressors. The engine is having 10 can annular type combustion chambers.

14 Cylinder Radial Aircraft Engine

The **Pratt & Whitney R-1830 Twin Wasp** is an American air-cooled radial aircraft engine. Twin WASP 2 Row 14 Cylinder Radial Engine is air cooled with Turbo Super Charger. Power Rating is 1350 HP at 2800 RPM at 2000 ft height. Engine is driven with a 3 Bladed Hamilton Standard Propellers through a 16:9 reduction gear. The engine was fitted on B-24 Bomber Aircraft used by US Navy for patrolling, anti-shipping and anti-submarine bombing mission.

RESEARCH EQUIPMENTS DETAILS

Multi View GNSS Receiver

UPCOMING FACILITY DETAILS

Supersonic Wind Tunnel

- Nozzles with Mach numbers 2 & 2.5
- Test Section Size 100mm (H) 100mm (W) 300mm(L)
- Schlieren setup with 6inch diameter parabolic mirrors and DSLR camera
- Computerised DAQ with Lab view analysis software, 8 channel data acquisition, Steady state run time = 30 seconds (maximum)

MEMORANDUM OF UNDERSTANDING SIGNED BY THE DEPARTMENT

S.No	Company/Organization/ Institution Name	Signed on	Activities
1.	Aerotics Technologies, Bangalore	2021-22	Internship, Training and Placement in UAV Field
2.	Ray Dynamics Pvt Ltd, Coimbatore	2020-21	Flight Simulator Training and Placements
3.	SS Technologies, Bangalore	2020-21	Technical Skill Training and Placement
4.	Aerolance Pvt Ltd, Bangalore	2020-21	Internship, Training and Placement
5.	Pongu Ventures Pvt Ltd, Chennai	2020-21	Innovation, Start-up and Entrepreneurship
6.	Aero Engineers Pvt Ltd, Bangalore	2019-20	Share UAV training on mutually beneficial area
7.	Gloinnt Solutions Pvt Ltd	2019-20	Project Training and placement
8.	Space Applications Centre, ISRO, Ahmedabad	2018-19	IRNSS Receiver Deployment in ACSCE Campus for Field Trail. Received Two Receivers Worth Rs.24 Lakhs INR
9.	All flight training international Ltd	2018-19	Student pilot training program and Airline pilot training development program
10.	Rile India lab	2018-19	To provide STEM skills to the students, Development of nano satellites

PROGRAMME ORGANIZED IN THE DEPARTMENT

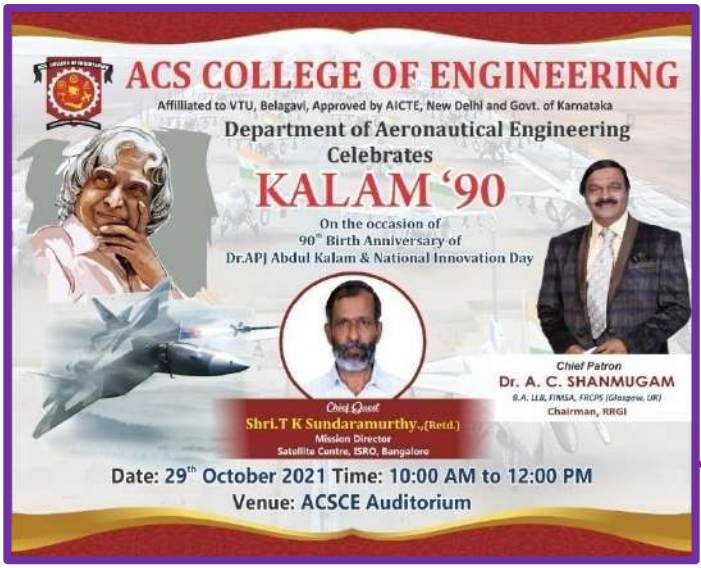
S.No	PROGRAMME
1	Placement Activity - Recruitment process of Indian Airforce – 04.08.2021
2	Technical Talk on UAV In Industry 5.0 – 02.09.2021
3	AICTE Activity - Public Awareness Program – 29.10.2021
4	CAD CLASH- National level Hackathon – 09.01.2022
5	Inaugural ceremony of Flight Simulator and Technical talk on Infrastructure and Sustainability focus areas at Airport – 16.02.2022
6	Career Opportunities in Aeronautical and Aerospace – 25.02.2022
7	Workshop on Building RC plane and Quad copter – 26.03.2022
8	Awareness on Drone-Training Program – 07.04.2022

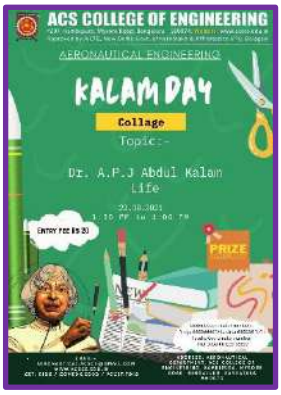
PROGRAMME ORGANIZED IN THE DEPARTMENT

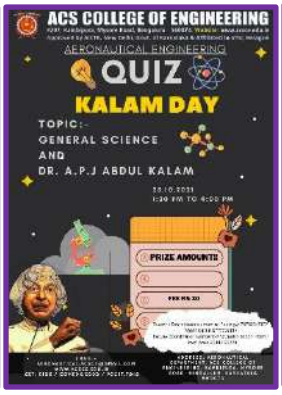
S.No	PROGRAMME
9	Career Opportunities in aviation Industries – 12.04.2022
10	Career Opportunities through GATE – 30.04.2022
11	Research trends in Experimental Aerodynamics – 02.05.2022
12	Technical Seminar on Technology Management - 12.05.2022
13	Technical Talk on Jet Engines (Inauguration ceremony of Tumansky engine and prattwhitney engine) – 01.06.2022
14	Project Exhibition By AE Students – 16.07.2022
15	Industrial visit in HAL Heritage Center, Bangalore – 21.07.2022

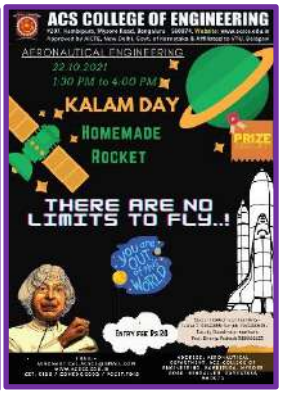
INTERNATIONAL COLLABRATION – UNIVERSITI TEKNOLOGI PETRONAS, MALAYSIA.

RECRUITMENT AWARENESS PROGRAM BY INDIAN AIRFORCE

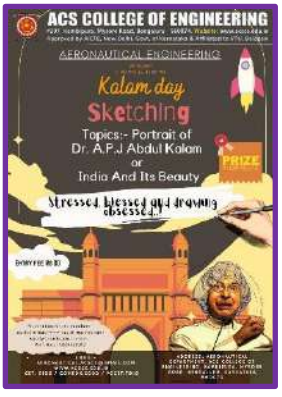

ACS COLLEGE OF ENGINEERING
Affiliated to VTU, Belagavi, Approved by AICTE, New Delhi and Govt. of Karnataka
Department of Aeronautical Engineering
Celebrates
KALAM '90
On the occasion of
90th Birth Anniversary of
Dr.APJ Abdul Kalam & National Innovation Day
Chief Patron
Dr. A. C. SHANMUGAM
B.A. LLB, FIMSA, FRCPS (Glasgow, UK)
Chairman, RRGI
Chief Guest
Shri.T K Sundaramurthy,(Retd.)
Mission Director
Satellite Centre, ISRO, Bangalore
Date: 29th October 2021 Time: 10:00 AM to 12:00 PM
Venue: ACSCE Auditorium


ACS COLLEGE OF ENGINEERING
AERONAUTICAL ENGINEERING
KALAM DAY
Collage
Topic:-
Dr. A.P.J Abdul Kalam
Life
PRIZE


ACS COLLEGE OF ENGINEERING
AERONAUTICAL ENGINEERING
QUIZ
KALAM DAY
TOPIC:-
GENERAL SCIENCE
AND
DR. A.P.J ABDUL KALAM
PRIZE AMOUNTS


ACS COLLEGE OF ENGINEERING
AERONAUTICAL ENGINEERING
22.10.2021
1:30 PM to 4:00 PM
KALAM DAY
HOMEMADE
ROCKET
PRIZE
THERE ARE NO
LIMITS TO FLY..!


ACS COLLEGE OF ENGINEERING
AERONAUTICAL ENGINEERING
KALAM DAY
PAINTING
TOPIC:-
SPACE
OR
ILLUSIONS
23.10.2021
PRIZE


ACS COLLEGE OF ENGINEERING
AERONAUTICAL ENGINEERING
Kalam day
Sketching
Topics:- Portrait of
Dr. A.P.J Abdul Kalam
or
India And Its Beauty
PRIZE


ACS COLLEGE OF ENGINEERING

KALAM DAY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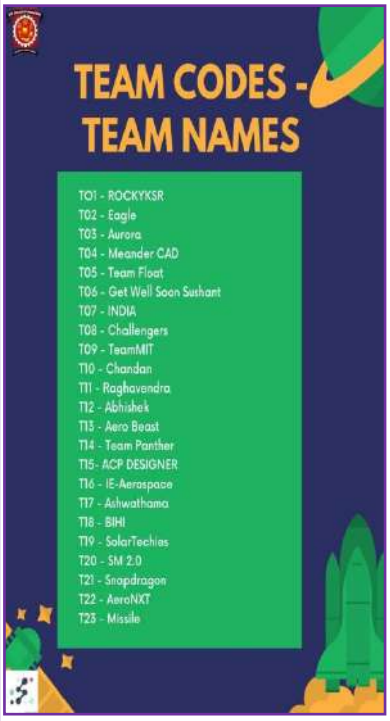


CAD CLASH- NATIONAL LEVEL HACKATHON

Inaugural ceremony of Flight Simulator and Technical Talk on "Infrastructure & Sustainability Focus areas at Airport"

CAREER OPPORTUNITIES IN AERONAUTICAL AND AEROSPACE ENGINEERING

WORKSHOP ON BUILDING RC PLANE AND QUAD COPTER

CAREER OPPORTUNITIES IN AVIATION INDUSTRIES

Inaugural ceremony of "Tumansky Supersonic Jet engine and Pratt & Whitney Radial Engine Cut Sections" and Technical Talk on "Jet Engines"

PROJECT EXHIBITION

Industrial visit in HAL Heritage Center, Bangalore

INDUSTRIAL VISIT IN DGAQA, MINISTRY OF DEFENCE, YESWANTHPUR.

DEPT EXTENTION ACTIVITIES

FUNDED RESEARCH PROJECTS

S.No	PROGRAMME	Duration	Amount Sanctioned
1	Conceptual Aerodynamic Design of Expendable attack UAV	2021-2022	9,58,990/-
2	Design and Optimization of Air Intake for 155mm Ramjet Projectile	2021-2022	9,63,470/-
3	Estimation of Aerodynamic Parameters from Telemeter Flight Data of Flight Vehicle in Matlab Environment	2021-2022	9,64,390/-
4	Estimation of Aerodynamic parameters from Telemeter Flight Data of UAV	2021-2022	9,67,493/-
5	AI and ML based forecasting model for prediction of Ionospheric TEC and EQ using GNSS data	2022-2024	7,25,000/-
6	Aerodynamic prediction code for canard controlled missile	2022-2024	14,81,726/-
7	Surrogate Model for Ionospheric Studies using IRNSS/GPS data	2017-2019	11,12,000/-
8	Fabrication and testing of banana and orange peel fiber reinforced bio degradable composites for disc brake pad application	2021-2022	6000/-
9	Deduction and analysis of unhealthy plants using NDVI & Autonomous flight control system.	2021-2022	5000/-

FACULTY PARTICIPATION

S.No	Event Name	Place/Institution	Duration	Year
		Prof P SOMA		
1	Webinar on "Innovative Resystem Ecosystem And Publishing Papers in High Impact Journals"	RRIIC, Banglore	One Day	2021-2022
		Dr G RAMANAN		
2	ATAL FDP on"Novel Materials Advances And Application "	AICTE, New Delhi	Five Day	2021-2022
3	Innovation Ambassador Training	Innovation Cell, Minstry of Education	1 Month (16 Sessions)	2021-2022
4	Participation in Workshop on Materials and System Engineering	SJB Institute of Technology, Bengaluru	Two days	2021-2022
		Mr Dhanya Prakash R babu		
5	TTP on"An Overview Of Teaching Technigues In Innovation &Design Thinking"	VTU -HRDC, Chikkaballapur	Five Day	2021-2022
		Mr Inamul Hasan		
6	FDP on "Current Trends In Computational Fluid Dynamics, Micro Air Vehicles & Automation Technologies"	SJC Institute of Technology, Chickaballpura	Two Day	2021-2022
7	FDP on "Publocations In Scopus Indexd Journals"	Sree Narayana Guru College, Coimatore	One Day	2021-2022
8	FDP on "Conceptual and Practical Knowledge Sharing And Yraining Sessions On Computational Fluid Dynamics "	AICTE, New Delhi	Five Days	2020-2021
9	FDP on "Application Of IoT In Aerospace Engineering"	AICTE, New Delhi	Five Days	2021-2022

FACULTY PARTICIPATION

S.No	Event Name	Place/Institution	Duration	Year
		Mr Inamul Hasan		
10	FDP on "Advancements In Computational Fluid Dynamics Using FLUIDYN"	AICTE, New Delhi	Five Days	2020-2021
		Mr Radhakrishnan		
11	FDP on "Application Of IoT In Aerospace Engineering"	AICTE, New Delhi	Five Days	2021-2022
12	STTP on Fundamental and Applications of Nanomaterials	NITTTR, Kolkata	Five Days	2021-2022
13	Certification Course on Digital Teaching Techniques	ICT Academy	Five Days	2021-2022
14	Attended workshop on CFD Fundamentals-Theory abd Practice	SSN College of Engineering	One day	2021-2022
15	Webinar on Missile Aerodynamics	ACSCE, Bengaluru	Five Days	2021-2022
16	Webinar on Composite materials in Space applications and Collaborative Robotic Inspections	Arasu Engineering College, Kumbakonam	One day	2021-2022
17	Participation in Internaltional Conference on Materials and System Engineering	SJB Institute of Technology, Bengaluru	Two days	2021-2022
		Mr Arun A K		
18	Coures on Digital Teaching Techniques	ICTACADEMY	Five Days	2021-2022
19	FDP on "An Insight Into Futuristic Aerospace Propulsion"	SRM Institute Of Science And Technology Kattankulathur	Five Days	2021-2022

FACULTY PARTICIPATION

S.No	Event Name	Place/Institution	Duration	Year
		Mr H. M. Ranjan		
10	Participation in Internaltional Conference on Materials and System Engineering	SJB Institute of Technology, Bengaluru	Two days	2021-2022
		Mr Satish		
11	FDP on " Drones Control, Navigation And Guidance"	AICTE, New Delhi	Five Days	2021-2022

CONFERENCES ATTENDED

S.No	Name of the Conference	Title of the Paper in the Proceedings / Presentation	Volume & Page Nos.	Year and Month of Publication
		Dr G RAMANAN		
1	International Conference on Advanced Materials for Innovation and Sustainability (ICAMIS 2022)	DESIGN, ANALYSIS AND TESTING OF AIRCRAFT WING SPAR USING COMPOSITE MATERIAL	Vol.64, pp. 416–424	Feb 2022
2	Intelligent Manufacturing and Energy Sustainability: Proceedings of ICIMES 2022	Influence of MoS2 with TiC on the Tribological and Wear Properties of hybrid Aluminium Composites	Vol xx. No. xx	Jun 2022
3	International Conference on Smart and Sustainable Developments in Materials, Manufacturing and Energy Engineering - (SME 2021)	Fabrication and wear characterization of stir cast AA7075-TiCp reinforced composite	Vol.52, pp. 1216–1222	Nov 2021

FACULTY PUBLICATIONS

S.No	Name of the Journal with ISSN No.	Title of the Paper	Volume & Page Nos.	Year and Month of Publication
		Dr G RAMANAN		
1	Materials Today: Proceedings	Static structural analysis and testing of aircraft wing spar using composite material	64, pp. 416–424	2022
2	Materials Today: Proceedings,	Investigation of bio degradable natural fibers reinforced hybrid composites for aircraft structures	Vol. 52, pp. 1211–1215	2022
3	Materials Today: Proceedings,	Fabrication and wear characterization of stir cast AA7075-TiCp reinforced composite	Vol. 52, pp. 1216–1222	2022
4	Smart Innovation, Systems and Technologies,	Performance Study and Analysis of an UAV Airfoil at Low Reynolds Number	Vol. 265, pp. 107–113	2022
5	International Journal of Ambient Energy,	Multi-objective optimisation of transesterified Jatropha curcas oil using response surface methodology and grey relational analysis	Vol. 42(16), pp. 1880–1891	2021
6	International Journal of Advanced Technology and Engineering Exploration,	Optimization of responses in electron beam welding of inconel-718 alloy using genetic algorithm approach	Vol. 8(84), pp. 1501–1513	2021
7	Smart Innovation, Systems and Technologies,	Multi-objective optimisation of transesterified Jatropha curcas oil using response surface methodology and grey relational analysis	Vol. 213 SIST, pp. 125–133	2021
8	Materials Today: Proceedings,	An aerodynamic performance study and analysis of SD7037 fixed wing UAV airfoil	Vol. 47, pp. 2547–2552	2021
		Mr Dhanya Prakash R babu		
9	IASC Tech Science Press Article 2022.023252	Forward Flight Performance Analysis of Supercritical Airfoil in Helicopter Main Rotor	vol.33, no.1	2022

FACULTY PUBLICATIONS

S.No	Name of the Journal with ISSN No.	Title of the Paper	Volume & Page Nos.	Year and Month of Publication
		Mr Inamul Hasan		
10	Transactions of the Canadian Society for Mechanical Engineering (ISSN: 0315-9877)	Aerodynamic performance analysis of supercritical airfoil in Helicopter main rotor	Vol. 46 Page (436-458)	January 2022
11	Intelligent Automation & Soft computing (ISSN: 1079-8587)	Forward Flight Performance Analysis of Supercritical Airfoil in Helicopter Main Rotor	Vol. 33 Issue 1 Page (567-584)	November 2021
12	Acs Journal of Science and Engineering (ISSN: 2582-9610)	Study and Comparison Analysis of Conventional Light Weight UAV Airfoils using XFLR Analysis	Vol. 2 No. 1 (2022)	March 2022
13	Journal of Environmental Protection and Ecology (ISSN: 1311-5065)	Computational Study of Aerodynamic Performance of Three and Four-Bladed Helicopter Rotor with Supercritical Airfoil	Vol. 22 Page (2622-2633)	December 2021
14	Scientific Programming (ISSN: 1058-9244)	A global optimization algorithm for intelligent electromechanical control system with improved filling function	Vol .2022 Page (1-10)	March 2022
		Mr Arun A K		
15	ACS Journal for Science and Engineering E-ISSN: 2582-9610	Fabrication and Testing of Novel Hybrid Carbon Composite for Aircraft Applications	Vol. 2 - No. 1	March 2022

FACULTY PUBLICATIONS

S.No	Name of the Journal with ISSN No.	Title of the Paper	Volume & Page Nos.	Year and Month of Publication
		Mr Radhakrishnan		
16	Transactions of the Canadian Society for Mechanical Engineering (ISSN: 0315-9877)	Aerodynamic performance analysis of supercritical airfoil in Helicopter main rotor	Vol. 46 Page (436-458)	January 2022
17	Intelligent Automation & Soft computing (ISSN: 1079-8587)	Forward Flight Performance Analysis of Supercritical Airfoil in Helicopter Main Rotor	Vol. 33 Issue 1 Page (567-584)	November 2021
18	ACS Journal of Science and Engineering (ISSN: 2582-9610)	Study and Comparison Analysis of Conventional Light Weight UAV Airfoils using XFLR Analysis	Vol. 2 No. 1 (2022)	March 2022
19	Journal of Environmental Protection and Ecology (ISSN: 1311-5065)	Computational Study of Aerodynamic Performance of Three and Four-Bladed Helicopter Rotor with Supercritical Airfoil	Vol. 22 Page (2622-2633)	December 2021
		Mr Satish		
20	SCI DOC IJASAR	CFD Analysis Of Delta Wing Body Configurations At Lower Angle Of Attack	2470-4415	Sep 2021
21	IRJET	Study on CD angle on the performance Characteristics on	2395-0072	JUNE 2021

PROFESSIONAL BODIES

S.No	PROGRAMME
1	Dr.G.Ramanan, Associate Professor is a professional member of Institute for Engineering Research and Publication (IFERP)and American Institute of Aeronautics and astronautics(AIAA)
2	Mr. Inamul Hasan M, Assistant Professor is a member of IE(I).
3	Mr. Radha Krishnan P, Assistant Professor is a member of IE(I).
4	Mr. Dhanya Praksh R.B , Associate professor is a member of AeSI and MISTE

STUDENTS FUNDED PROJECT (KSCST)

ACS COLLEGE OF ENGINEERING

NAAC 'A' Accredited

Aeronautical Engineering

Students project proposal entitled

"FABRICATION AND TESTING OF BANANA AND ORANGE PEEL FIBER REINFORCED BIODEGRADABLE COMPOSITE FOR DISK BRAKE PAD APPLICATIONS"

Approved for sponsorship
by
45th Series Student Project Programme 2021-22
Karnataka State Council for Science and Technology
Indian Institute of Science Campus
Bengaluru-560012

Nikhil Rao B
1AH18AE062

Mounika S
1AH18AE027

Monik Kumar M V
1AH18AE026

Rakthitha Patel
1AH18AE039

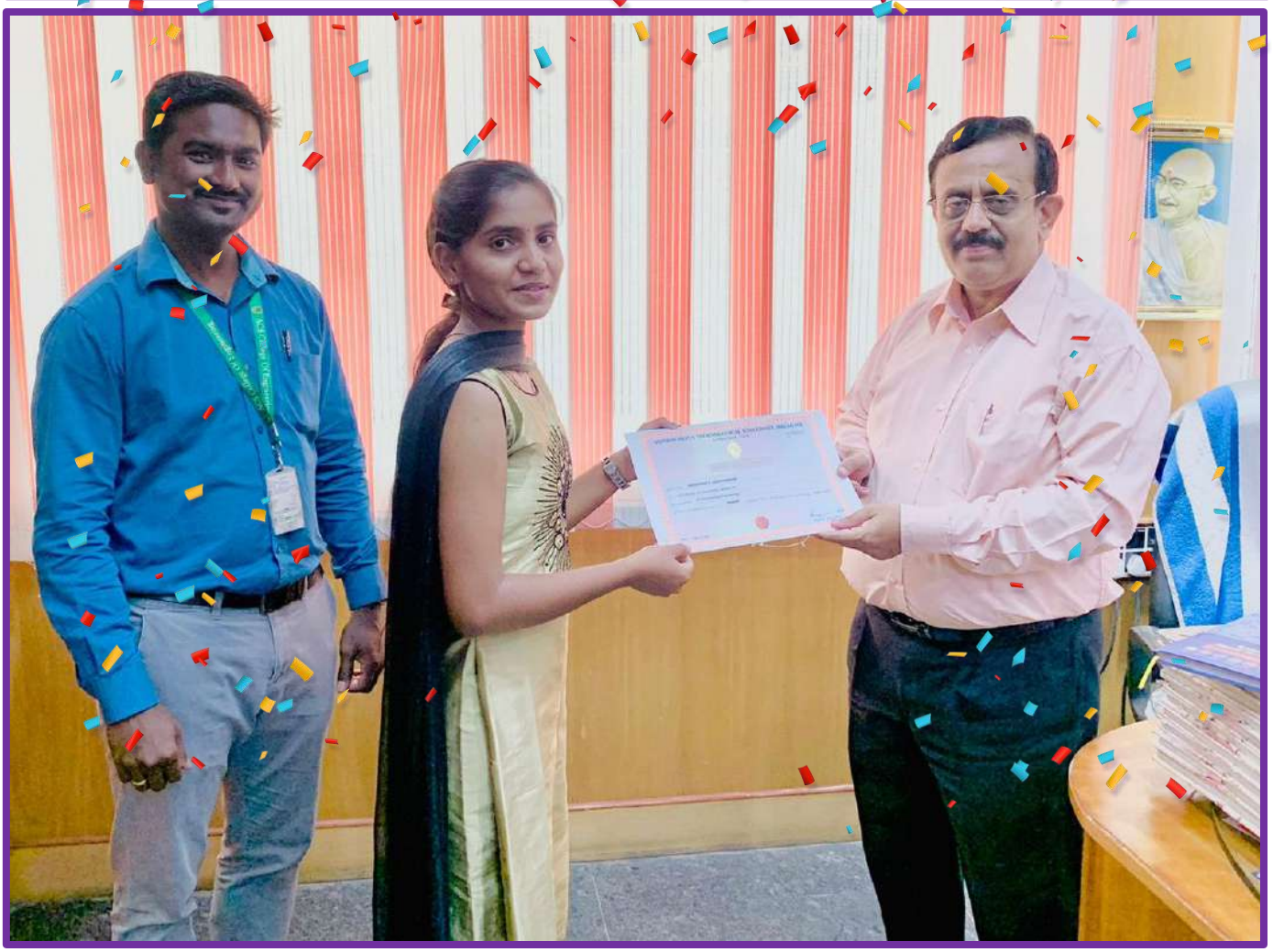
Under the Guidance of

Dr.G.Ramanan
Associate Professor
Aeronautical Engineering

The Management, Principal, HOD and Staff Congratulates the Team

For Further Details Contact: +91-9008545678
E-mail: admission@acsce.edu.in Website: www.acsce.edu.in

UNIVERSITY RANK HOLDER



AERONAUTICAL DEPARTMENT NEWSLETTER

FAREWELL 2022

GRADUATION DAY - 2021

PLACEMENT DETAILS – 2021-2022

ABHISHEK
IAH18AE002
Capgemini
CONSULTING.TECHNOLOGY.OUTSOURCING

BINDUSHREE
IAH18AE007
Capgemini
CONSULTING.TECHNOLOGY.OUTSOURCING

HIMASHREE
IAH18AE016
Capgemini
CONSULTING.TECHNOLOGY.OUTSOURCING

PRUTHVI
IAH18AE034
Capgemini
CONSULTING.TECHNOLOGY.OUTSOURCING

PUNEETH
IAH18AE035
Capgemini
CONSULTING.TECHNOLOGY.OUTSOURCING

KARTHICK
IAH17AE020
TCS TATA CONSULTANCY SERVICES

AKSHATHA R D
IAH17AE003
SAFRAN
AEROSPACE · DEFENCE · SECURITY

SUHAS
IAH17AE007
SAFRAN
AEROSPACE · DEFENCE · SECURITY

NIVEDITHA R
IAH17AE028
linaka

PLACEMENT DETAILS – 2021-2022

BHAVANA J
1AH17AE057

YASHWANTH T S
1AH17AE055

ANANYA
1AH17AE005

SANNIDHI B
1AH17AE036

NANDISH
1AH17AE026

SHILPA SHREE
1AH17AE040

SHAGUN KAJAL
1AH17AE037

SYED SHABAAZ
1AH17AE045

NARENDRA
1AH17AE027

HIGHER STUDIES 2021-2022

TEJASWINI B M
1AH17AE049

Cranfield University

TEJAS CHANDRA
1AH17AE048

Cranfield University

JOEL VINCE K
1AH17AE019

Cranfield University

KIRAN KUMAR B
1AH16AE007

UNIVERSITY OF LEICESTER

NAVEEN N R
1AH16AE025

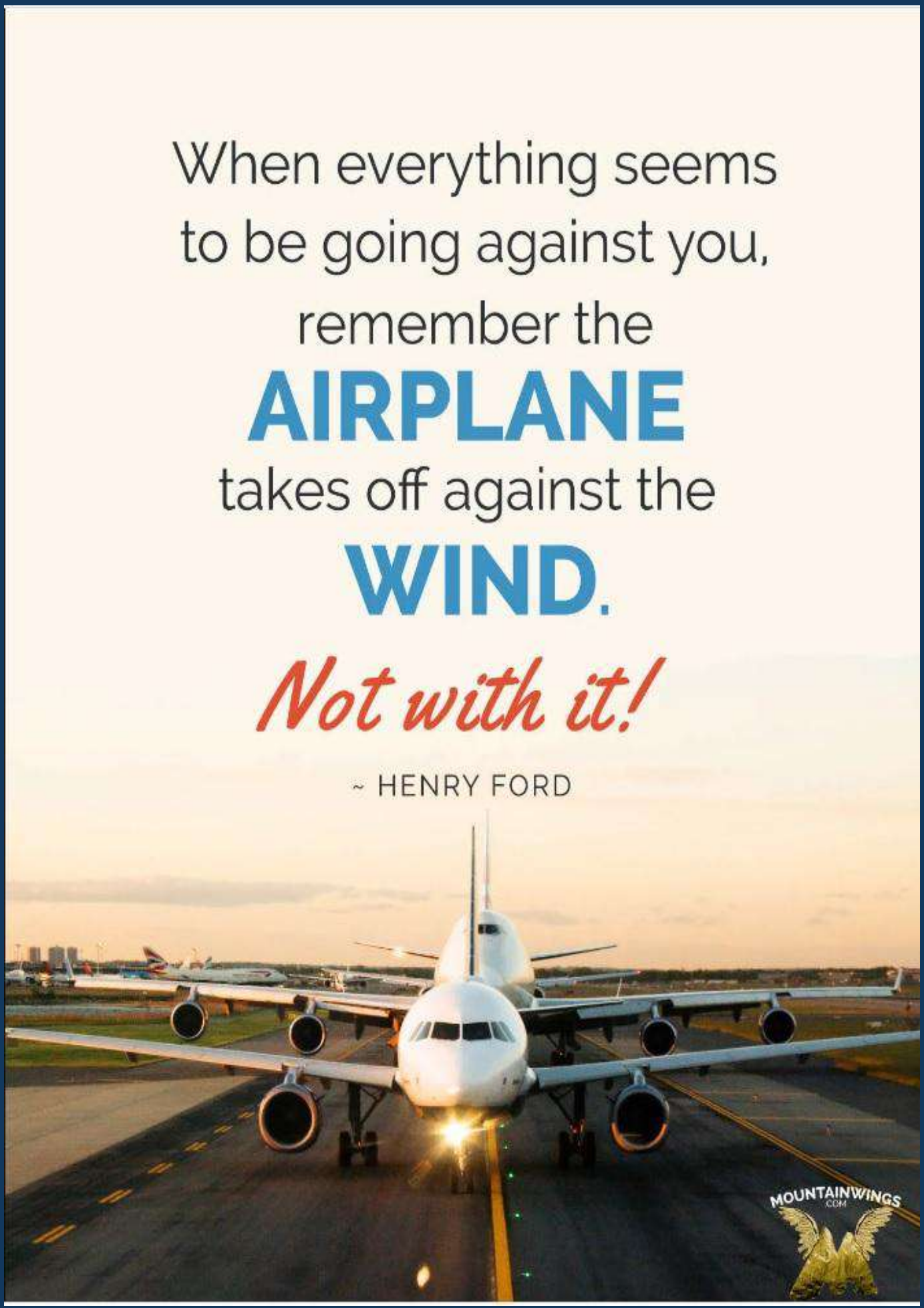
MANIPAL ACADEMY of HIGHER EDUCATION
(Institution of Eminence Deemed to be University)

OUR RECRUITERS

CLASS TOPPERS

CLASS TOPPERS

BATCH	I RANK	II RANK	III RANK
II YEAR – III SEMESTER			
2020 – 2024	 BINDIYA P (1AH20AE008)	 POOJA T E (1AH20AE037)	 SRUSTI H (1AH20AE051)
III YEAR - V SEMESTER			
2019 – 2023	 SYED TAYEEB AHMED (1AH19AE077)	 MOHAMMED SAHIL (1AH19AE042)	 ANJU JAGADISH (1AH19AE007)
IV YEAR – VII SEMESTER			
2018 – 2022	 SWIKRUTI S DHAVANDE (1AH18AE053)	 PRABHAVATHI K (1AH18AE031)	 SPOORTHI B T (1AH18AE0)


When everything seems
to be going against you,
remember the
AIRPLANE
takes off against the
WIND.
Not with it!
~ HENRY FORD
MOUNTAINWINGS
.COM