

# ACS COLLEGE OF ENGINEERING BENGALURU

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

## DEPARTMENT OF AERONAUTICAL ENGINEERING NEWSLETTER

FLIGHT – 6, TAKE OFF – 1

2019-2020



### Chief Patrons

**Sri A.C. Shanmugam**

Chairman

Moogambigai Charitable & Educational Trust

**Sri A.C.S. Arunkumar**

Vice Chairman

Rajarajeswari Group of Institutions

### Dean

**Dr. P. Theerthamalai**

Aeronautical Engineering

ACS College of Engineering

### Chief Editor

**Dr. G. Ramanan**

Associate Professor & Head

Department of Aeronautical Engineering

### Patrons

**Dr. S. Vijayanand**

Executive Director

Rajarajeswari Group of Institutions

**Dr. S. Jayabalan**

Special Officer

Rajarajeswari Group of Institutions

### Principal

**Dr. M. S. Murali**

ACS College of Engineering

### Editors

**Mr. Arun A K**

Assistant Professor

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 & M.TECH – 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 Seven batches have been graduated successfully. In 2018, We established Post-graduate course in Master of Technology in Aeronautical Engineering under VTU, Belgaum.





## FACULTY DETAILS

PARTICULARS	QUANTITY
TEACHING FACULTY	9
NON TEACHING FACULTY	3
COMPLETED Ph. D	2
PURSUING Ph. D	3
M.E/M.TECH/M.S	4

## STUDENT DETAILS

PARTICULARS	QUANTITY
I -YEAR	88
II - YEAR	58
III - YEAR	53
IV - YEAR	54
Total	253

**Department is equipped with following laboratories:**

Aerodynamics Laboratory

Propulsion Laboratory

Structures Laboratory

Energy Conversion Laboratory

Mechanical Measurements and Metrology Laboratory

Machine shop laboratory

Design , Modeling and Analysis Laboratory

Simulation Laboratory

Foundry and Forging Laboratory

Metallography and Material Testing Laboratory



## LABORATORY DETAILS



Aerodynamics Lab



Propulsion Lab



Structures Lab



Energy conversion Lab



Hands on training on piston and jet engine



## LABORATORIES DETAILS



Mechanical measurements &  
Metrology Lab



Machine Shop Lab



Design, Modeling & Analysis Lab



Simulation Lab



Foundry & Forging Lab



Metallography &  
Material Testing Lab

**MEMORANDUM OF UNDERSTANDING SIGNED BY  
THE DEPARTMENT**

S.No	Organization	Research details
1	SAC,ISRO	IRNSS Receiver Deployment in ACSCE Campus for Field Trail. Two Receivers worth 24 lakhs INR
2	Sukra Helitek	CFD Analysis and training
3	GLOINNT Solutions	Student projects, workshops and FDP's
4	Valles Marineris	Student projects, workshops and FDP's
5	Aerojet Aviation	Design and Career Guidance
6	Aerolus Aero Tech Pvt Ltd	Design and Modelling
7	Pongu Ventures Pvt Ltd	Innovation, Start-up

**GUEST LECTURES DELIVERED BY THE FACULTIES IN  
OTHER NOTABLE VENUES**

S.No	DETAILS OF GUEST LECTURES
1	Prof.P.Soma delivered guest lecturer on “Satellite Navigation-Past , Present and Future” on 08-06-2020 at Aerospace engineering department.
2	Dr. P. Theerthamalai delivered a Technical Talk on “Grid Fin Aerodynamics” in the Applied Aerodynamics, QIP Short term Course held at IISC, Bangalore during 20-24 January 2020 in IISC, Bangalore..
3	Dr. Ramanan.G delivered online Guest lecture on flight testing concepts on 27th May 2020 at Aerospace engineering, Noorul Islam University, Kumaracoil, Tamilnadu
4	Mr. Albert Allen D Mello delivered a Guest Lecture on “Mechanics of Materials” on 16.12.2019 at Aerospace engineering department.
5	Dr. P. Theerthamalai delivered a guest Lecture on “Missile Aerodynamics”- 20-05-2020 at Aerospace engineering department.
6	Dr. P. Theerthamalai delivered a guest Lecture on “Grid Fin Aerodynamics”- 28-05-2020 at Aerospace engineering department.

## PROGRAMME ORGANIZED IN THE DEPARTMENT

S.No	PROGRAMME
1	Seminar on "AEROSPACE SKILL DEVELOPMENT" on 14-11-2019 by Mr.Shashank Rawat, Programme Manager, Avistrat Academy
2	Seminar on "OPPURTUNITIES IN TECHNICAL PUBLICATIONS" by Mr.Prashanth, Placement officer, GLOINNT Technical solutions
3	Visited HAL HERITAGE MUSEUM on 31-08-2019 by II Year Students
4	NAL VISIT on 07-11-2019 by IV Year Students
5	Talk on "GATE AEROSPACE-2020" by Mr.Dinesh Kumar, IITian Gate coaching center, Bangalore
6	KALAMS' DAY 2019 on 17-10-2019 by Dr V J Sundaram, Advisor-Micro and Nano System, National Design and Research Forum
7	NATIONAL IDEA CHALLENGE on 20-09-2019 to 22-09-2019
8	Seminar on "GROWING OPPURTUNITIES IN UAV" by Dr.Theerthamalai, Former Technology Director, Aerodynamics, Hyderabad
9	Seminar on "Aircraft icing and its effects" on 02/03/2020 by Mr .Prince Raj, Asst.prof.IIEST,Shibpur
10	Guest Talk on "Career Guidance in Aerospace Industry" on 04/03/2020 by Mr.Tamilarasu, Head of Operations (Aerospace & Defence), Aerotics Technologies, Bengaluru
11	Webinar on "Preparing For Competitive Exams" on 30/05/2020 by Deepa T Patil Mentor For NGO(parikrma)Training Civil Service Aspirants in Dharwad
12	Webinar on "compressible Flow in Aerodynamics" on 21/05/2020 by Ms. Gagana Satyanarayan, Research scholar, Indian Institute of Technology, Chennai
13	Webinar on "Emerging Global Trends In Space Systems" on 01/06/2020 by Padma shri R.M.Vasagam, Former Director , ISRO, Bangalore Former Vice-Chancellor.
14	Webinar on "FEA in Aerospace Industry-An Imperative phase" on 23/05/2020 by Ms.Vaishnavi Ganesh prasad, stress Engineer, Commercial Aircraft Inserts-Thailand, safran cabin Lamphun





**Faculty participation at Aero India Show 2019**



**Seminar on “AEROSPACE SKILL DEVELOPMENT”**



**Seminar on “Aircraft icing and its effects”**





**Seminar on “OPPURTUNITIES IN TECHNICAL PUBLICATIONS”**



**Industrial visit to HAL**





**Orientation programme on Pilot training**



**Talk on "GATE AEROSPACE-2020"**



**KALAMS' DAY 2019**



**Seminar on "GROWING OPPURTUNITIES IN UAV"**





**Expert Talk on “Training Guidance in Aerospace Industry by Aerotics Technologies”**



**Students participation at NEC idea challenge competition at National Engineering College**





**Industrial visit to HAL**



**Students participation at NEC idea challenge competition**



**Aeronautical Students Presenting their Ideas during NEC idea Challenge Competition and won First Prize of Rs 40000/-**



**Students Presenting their Ideas during NEC IDEA CHALLENGE Competition**



## Department Activities





### ACS COLLEGE OF ENGINEERING

#207, Kambipura, Mysore Road, Bangalore – 560 074.  
Affiliated to VTU, Belagavi, Approved by AICTE, New Delhi and Govt. of Karnataka

#### Department of Aeronautical & Aerospace Engineering

*Presents Webinar On*  
**“POST COVID-19 Challenges & Opportunities for Aerospace Engineering”**  
Date: 29<sup>th</sup> May 2020 (Friday)  
Time: 10:30AM to 12:00PM

*Resource Person*  
**Padma Shri Dr. Mylswamy Annadurai**  
Vice President - Tamilnadu State Council for Science & Technology  
Former Director - ISRO Satellite Centre (URSC)



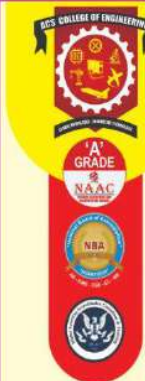




Registration Link  
<https://tinyurl.com/webinar-Post-Covid-19>

Contact  
**Mr. J. Siva** Ph: 08667291504  
**Dr. G. Ramanan** Ph: 09965418124

Head of Institution  
**Dr. M. S. Murali**  
Principal





### ACS COLLEGE OF ENGINEERING

#207, Kambipura, Mysore Road, Bangalore – 560 074.  
Affiliated to VTU, Belagavi, Approved by AICTE, New Delhi and Govt. of Karnataka  
**CET Code : E186 | COMED-K: E003 | PG CET: T918**

#### Department of Aerospace & Aeronautical Engineering

*Presents Webinar On*  
**“Emerging Global Trends In Space Systems”**





*Resource Person*  
**Padma Shri R.M. Vasagam**  
Former Director, ISRO, Bangalore  
Former Vice-Chancellor,  
Anna University, Chennai

Date: 1<sup>st</sup> June 2020 (Monday)  
Time: 11:00AM to 12:00PM


Registration Link: <https://tinyurl.com/webinar-Trends-In-Space-System>  
E-mail: [admission@acsce.edu.in](mailto:admission@acsce.edu.in) Website: [www.acsce.edu.in](http://www.acsce.edu.in)

Contact  
**Mr. J. Siva** Ph: 08667291504  
**Dr. G. Ramanan** Ph: 09965418124





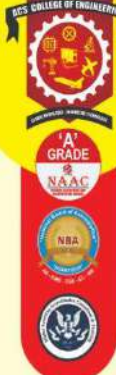
**ACS COLLEGE OF ENGINEERING**  
#207, Kambipura, Mysore Road, Bangalore – 560 074.  
Affiliated to VTU, Belagavi, Approved by AICTE, New Delhi and Govt. Of Karnataka  
**CET Code : E186 | COMED-K: E003 | PG CET: T918**  
**Department of Aeronautical & Aerospace Engineering**  
*Presents Webinar On*  
**“Satellite Navigation - Past, Present and Future”**





**Prof. P. Soma**  
Former Deputy Director - Navigation systems Area, ISTRAC  
Former Project Director (G-S) for IRNSS and GAGAN, ISRO  
Associate Professor, Dept. of Aeronautical Engineering, ACSCE

**Date:** 8<sup>th</sup> June 2020 (Monday) **Time:** 03:00PM to 04:00PM  
Registration Link: <https://tinyurl.com/webinar-navigation>  
E-mail: [aeronautical.acsce@gmail.com](mailto:aeronautical.acsce@gmail.com) Website: [www.acsce.edu.in](http://www.acsce.edu.in)

**Contact**  
**Mr.J.Siva** **Dr.G.Ramanan**  
Ph:08667291504 Ph:09965418124



**ACS COLLEGE OF ENGINEERING**  
#207, Kambipura, Mysore Road, Bangalore – 560 074.  
Affiliated to VTU, Belagavi, Approved by AICTE, New Delhi and Govt. Of Karnataka  
**CET Code : E186 | COMED-K: E003 | PG CET: T918**  
**Department of Aerospace & Aeronautical Engineering**  
*Presents Webinar On*  
**“Emerging Global Trends In Space Systems”**



**Padma Shri R.M.Vasagam**  
Former Director, ISRO, Bangalore  
Former Vice-Chancellor,  
Anna University, Chennai

**Date:** 1<sup>st</sup> June 2020 (Monday)  
**Time:** 11:00AM to 12:00PM

**Registration Link:** <https://tinyurl.com/webinar-Trends-In-Space-System>  
**E-mail:** [admission@acsce.edu.in](mailto:admission@acsce.edu.in) **Website:** [www.acsce.edu.in](http://www.acsce.edu.in)

**Contact**  
**Mr.J.Siva** **Dr.G.Ramanan**  
Ph:08667291504 Ph:09965418124

# ACS COLLEGE OF ENGINEERING

#207, Kambipura, Mysore Road, Bangalore – 560 074.

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



## Department of Aeronautical Engineering

Resource Person

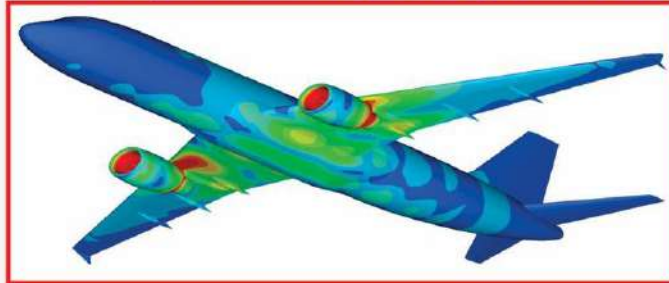


**Ms. Vaishnavi Ganesh Prasad**

Stress Engineer  
Commercial Aircraft Inserts - Thailand  
Safran Cabin Lamphun

Present Webinar

**"FEA in Aerospace Industry-An Imperative Phase"**



**Date: 23/05/2020 Time: 3PM to 4PM**

Registration Free

<https://tinyurl.com/ACS-AERO-Webinar-FEA>

**Contact: 9965418124/9994623912**

**Email: aeronautical.acsce@gmail.com**



# ACS COLLEGE OF ENGINEERING

#207, Kambipura, Mysore Road, Bangalore – 560 074.

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

## Department of Aeronautical Engineering

*PRESENTS ONLINE WEBINAR ON*

### Global Trends & Opportunities in UAV



**Date: 19/05/2020**

**Time: 11:30AM to 12:30PM**

**Mr. Dhanush Shashidhara**

Aeronautics Engineer-Aerodynamics & Stability  
Stealth Mode Start-up  
Bangalore

**Registration Free**

<https://tinyurl.com/ACS-AERO-Webinar-UAV>



**9965418124  
9994923912**

**E-mail: aeronautical.acsce@gmail.com Website: www.acsce.edu.in**





## ACS COLLEGE OF ENGINEERING

#207, Kambipura, Mysore Road, Bangalore – 560 074.  
Affiliated to VTU, Belagavi, Approved by AICTE, New Delhi and Govt. Of Karnataka  
**CET Code : E186 | COMED-K: E003 | PGCET: T918**

### Department of Aeronautical Engineering

*Presents online webinar on*  
**Preparing for Competitive Exams**

*Resource Person*  
**Ms. Deepa T Patil**

MENTOR FOR NGO (PARIKRMA)  
TRAINING CIVIL SERVICE ASPIRANTS IN DHARWAD  
**Date: 30/05/2020**  
**Time: 12.30pm to 1.30pm**

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



## ACS COLLEGE OF ENGINEERING

#207, Kambipura, Mysore Road, Bangalore – 560 074.  
Affiliated to VTU, Belagavi, Approved by AICTE, New Delhi and Govt. Of Karnataka  
**Department of Aeronautical Engineering**

*PRESENTS WEBINAR ON*  
**"Career opportunities in Aerospace Technical Publication"**

*Resource Person*



**Ms. Nisarga N**  
CMM author in Collins Aerospace



**Date : 04<sup>th</sup> July 2020(Saturday) Time : 10:30am to 11:30am**  
**Free registration: <https://tinyurl.com/ACS-AERO-Career-opportunities>**





## ACS COLLEGE OF ENGINEERING

#207, Kambipura, Mysore Road, Bangalore – 560 074.

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

### Department of Aeronautical Engineering

*PRESENTS ONLINE WEBINAR ON*

### Compressible flow in Aerodynamics



Date: 21/05/2020

Time: 4:00PM to 5:00PM

**Ms. Gagana Satyanarayan**

Research Scholar  
Indian Institute of Technology  
Chennai

**Registration Free**

<https://tinyurl.com/ACS-AERO-Webinar-Aerodynamics>



**9965418124**  
**9994623912**

**E-mail:** [aeronautical.acsce@gmail.com](mailto:aeronautical.acsce@gmail.com) **Website:** [www.acsce.edu.in](http://www.acsce.edu.in)



## ACS COLLEGE OF ENGINEERING

#207, Kambipura, Mysore Road, Bangalore – 560 074.

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

### Department of Aeronautical Engineering

*Presents Webinar ON*

### "Versatility in Engineering Career"



INSTITUTION'S  
INNOVATION  
COUNCIL  
(Ministry of HRD Initiative)



*Resource Person*



**Mr. K.S. Rakshith Kumar, M.E**

System Engineer at  
SolCen Technologies Private Limited  
Technical consultant at  
chanel fashion Ltd, Bangalore

Date : 1<sup>st</sup> July 2020(Wednesday) Time : 10am to 11am

Free registration: <https://tinyurl.com/ACS-AERO-Webinar-Career>

## INDUSTRIAL VISIT, IN-PLANT TRAINING &amp; INTERNSHIPS

S.No	PROGRAMME	Logo
1	Second Year students had an opportunity of visiting HAL Heritage Centre as an one day industrial visit on 31 <sup>st</sup> August 2019 and Fourth Year students had an opportunity of visiting NAL as an one day industrial visit on 07 <sup>th</sup> November 2019.	
2	Four Students (Priyanka, Rahul Ashok K, Shruti, Sushmita Katti) have undergone a internship at DRDO, Bangalore.	
3	Twenty Five Students (Akshay Bajarang, Amritha S, Chaithra A N, Chandangowda, Chidananda B, Gagan Kumar H P, Ganesh R, Kiran Kumar A, Madhu A, Madhushree E, Meghana C K, Mohammed Toufiq Naveen N R, Nikhil B, Nishanth S, Praveen J, Ranjitha R, Shantha Kumari, Shivakumari V K, Shivayogi S T, Sunil J, Tejaswini M, Vikram V, Rakesh D, Alifur Rahaman) have undergone an Internship Training at HAL, Bangalore	
4	Five Students (B Kiran Kumar, Chinee Santosh, Pallavi K S, Raksha G, Revathi V R) have undergone a Internship at GTRE, Bangalore	
5	Two Students (Ritika Y Gadag, Seema) have undergone a Internship at NAL, Bangalore	
6	Two Students (Nikhil Gowda B R, Roystan J Dsouza) have undergone a Internship at Toyota Motors, Bangalore	
7	Three Students (Ankush Verma, S Khalid, S Iyneshdurai) done Internship at Tech. Fortune Technology, Bangalore	
8	Two Students (Khushwanth P, Shashikumar) have undergone a Internship at Rize Industries, Bangalore	
9	One Student (Abdul Rasheed) have undergone a Internship at COE-A&D, Bangalore	





**INDUSTRIAL VISIT TO NATIONAL AEROSPACE LABORATORIES**



**ONE DAY VISIT TO HAL HERITAGE CENTRE**

## CO-CURRICULAR AND EXTRA-CURRICULAR ACTIVITIES

S.No	Name of the student	Event Name	Prize
1	Syed Shabaaz	NATIONAL IDEA CHALLENGE on 20-09-2019 to 22-09-2019	1 <sup>st</sup> Prize
2	Syed Shabaaz Narendra	ACSTRONIX-2018, ACSCE(Mini project) on 5-10-2018	1 <sup>st</sup> Prize
3	Narendra Syed Shabaaz	SYNC-CARDIAE , ACSCE(Mini project) on 29-10-2018	1 <sup>st</sup> Prize
4	Narendra	Technomania-2K18, ACSCE(Quiz) on 29-9-2018	3 <sup>rd</sup> Prize
5	Krupesh J	KSTA Drawing Competition on 10-10-2018	1 <sup>st</sup> Prize
6	Keshav S Rajeshwari R Nandan G A	NIT WARANGAL (RC plane and quad copter) on 28/9/18-30/9/18	1 <sup>st</sup> Prize
7	Keshav S Rajeshwari R Suraj Nandan G A	NIT Suratkal (RC plane and quad copter) on 11/9/18	1 <sup>st</sup> Prize
8	Keshav S Rajeshwari R Nandan G A	Manipal University (RC plane and quad copter) on 18/9/18	1 <sup>st</sup> Prize
9	Suraj Aman Prakash	Manipal University (RC plane and quad copter) on 3/10/18-6/10/18	3 <sup>rd</sup> Prize
10	Rajeshwari R, Keshav S & Suraj, Aman Prakash	Sahyadri College Mangalore (RC plane and quadcopter) on 26/01/18	1 <sup>st</sup> Prize & 3 <sup>rd</sup> Prize



TO INFINITY AND BEYOND

## STAFF ACHIEVEMENTS

S.No	PROGRAMME
1	Dr.G.Ramanan Published a research paper titled “A Novel Detection of Defects in Al–SiC Composite by Active Pulsed Infrared Thermography Using Data and Image Processing” in the journal of <i>Transactions of the Indian Institute of Metals</i> , 2020, 73(11), pp. 2767–2783 (Springer)
2	Prof.P.Soma Published a research paper titled “Analysis of signal strength, satellite visibility, position accuracy and ionospheric TEC estimation of IRNSS. <i>Astrophysics and Space Science</i> , 364(11), 1-34, 2019. (Springer)
3	Dr. G. Ramanan Published a research paper titled “Intelligent particle swarm optimization for quality machining in advanced manufacturing process, <i>Materials Today: Proceedings</i> , 2020, 24, pp. 510–518 (Elsevier)
4	Dr. G. Ramanan Published a research paper titled “ <i>Error Diagnosis in Space Navigation Integration using Wavelet Multi Resolution Analysis with General Regression Neural Network</i> , Proceedings in Smart Innovation, Systems and Technologies (SIST)”: Intelligent Manufacturing and Energy Sustainability, ISSN: 2190-3018, 2020 (Springer).
5	Dr.G.Ramanan Published a research paper titled “Influence of Nanoparticles on Mechanical and Thermal Characterization of Hybrid Fiber Reinforced Polyester Composites, <i>Materials Today: Proceedings</i> , 2020, 24, pp. 1498–1507 (Elsevier)
6	Prof. P. Soma Published a research paper titled “Ordinary kriging-and cokriging-based surrogate model for ionospheric TEC prediction using NavIC/GPS data. <i>Acta Geophysica</i> , 68(5), 1529-1547, 2020. (Springer)
7	Prof. P. Soma Published a research paper titled “Cokriging based statistical approximation model for forecasting ionospheric VTEC during high solar activity and storm days. <i>Astrophysics and Space Science</i> , 364(8), 1-11, 2019. (Springer)
8	Dr. G. Ramanan Published a research paper titled “Optimization of wire electrical discharge machining parameters of activated carbon reinforced aluminium composite, <i>Materials Science Forum</i> , 2020, 979 MSF, pp. 3–9
9	Dr. G. Ramanan Published a research paper titled “Influence of Cylindrical Threaded Tool Pin Profile on the Mechanical and Metallurgical Properties of FSW of ZE42 Magnesium Alloy, <i>Lecture Notes in Mechanical Engineering</i> , 2020, pp. 253–262 (Springer)



## STAFF ACHIEVEMENTS





S.No	PROGRAMME
10	Dr. G. Ramanan and Mr.Ranjan Published a research paper titled “Growth of Ni-Cu-Zn electrolyte coated thin layer carbon fiber reinforced aluminium composite, <i>Materials Research Express</i> , Vol.6, Issue 12 (2019) (SCI Journal).
11	Prof. P. Soma Published a research paper titled “Performance analysis of Navigation with Indian Constellation satellites. <i>Journal of King Saud University-Engineering Sciences</i> , 2019. (Elsevier)
12	Dr. G. Ramanan Published a research paper titled “Characterization, wear surface roughness and tensile failure analysis of Al7075-TiC-MoS <sub>2</sub> hybrid composites using online acoustic emission, <i>Materials Research Express</i> , Vol.6, Issue 6 (2019) 066544 (SCI Journal).
13	Prof. P. Soma Published a research paper titled “Prediction of ionospheric vertical total electron content from GPS data using ordinary kriging-based surrogate model. <i>Astrophysics and Space Science</i> , 364(1), 15, 2019.
14	Dr. G. Ramanan Published a research paper titled “Processing and Characterization of Mechanical and Wear Behaviour of Al7075 Reinforced With B <sub>4</sub> C and Nano Graphene Hybrid Composite”, <i>Materials Research Express</i> , Vol.6, Issue 12 (2019) (SCI Journal).
15	Prof. P. Soma Published a research paper titled “Forecasting of ionospheric TEC for different latitudes, seasons and solar activity conditions based on OKSM. <i>Astrophysics and Space Science</i> , 365(1), 1-23, 2020. (Springer)
16	Dr. G. Ramanan Published a research paper titled “Multi-objective optimisation of transesterified Jatropha curcas oil using response surface methodology and grey relational analysis, <i>International Journal of Ambient Energy</i> , Article in Press, 2019 (Taylor & Francis).
17	Dr. G. Ramanan Published a research paper titled “Characterization, corrosion and failure strength analysis of Al7075 influenced with B <sub>4</sub> C and Nano-Al <sub>2</sub> O <sub>3</sub> composite using online acoustic emission, <i>Materials Research Express</i> , Vol.7, Issue 1 (2020) (SCI Journal).








## STUDENT PROJECT DETAILS

Batch No	Title	Guide
1	PERFORMANCE ANALYSIS OF VIBRATIONAL ENERGY HARVESTING	Mr.Albert allen D Mello
2	DESIGN AND ANALYSIS OF CONNECTING ROD	Dr.G.Ramanan
3	PERFORMANCE OF TUBERCLE WING	Mr.M.Inamul Hasan
4	DESIGN AND FAILURE ANALYSIS OF LANDING GEAR WITH VARIOUS MATERIALS	Mr.Albert allen D Mello
5	DESIGN OF FLOW ANALYSIS OF A VARIABLE SWEEP WING ON A COMMERCIAL AIRCRAFT	Mr.P.Radha Krishnan
6	A STUDY OF FABRICATION AND CHARACTERIZATION METHODS OF CARBON REINFORCED COMPOSITES	Dr.G.Ramanan
7	DESIGN OF AIRCRAFT WITH TILT ROTOR MECHANISM	Mr. Dhanya Prakash R Babu
8	FABRICATION AND TESTING OF SUPER HYDROPHOBIC SURFACE FOR AIRCRAFT STRUCTURES	Mr.Arun.A.K
9	AERODYNAMIC ANALYSIS OF A 6 SEATER ELECTRIC AIRCRAFT	Mr.P.Radha Krishnan
10	AERODYNAMIC PERFORMANCE ANALYSIS OF ICE ACCRETED ON AIRCRAFT WING	Mr.M.Inamul Hasan
11	AERODYNAMIC ANALYSIS RAMP TYPE VORTEX GENERATOR ON NACA 4415 WING	Mr.Arun.A.K
12	DESIGN OF HIGH-ALTITUDE LONG ENDURANCE AERIAL VEHICLE	Mr. Dhanya Prakash R Babu
13	AUTOMATIC TAKEOFF AND LANDING SYSTEM FOR FIXED WING UAV'S	Mr.H.M.Ranjan
14	DESIGN AND CFD ANALYSIS OF AIRCRAFT WINGS	Mr.M.Inamul Hasan
15	AERODYNAMIC CHARACTERISTICS FOR A THREE BLADED ROTOR OF A HELICOPTER USING CFD ANALYSIS	Mr.M.Inamul Hasan



## CLASS TOPPERS

BATCH	I RANK	II RANK	III RANK
III SEMESTER			
2018 – 2022			
	Swikruthi S Devakande– 85%	Prabhavathi.K– 83%	Pruthikumar H.C– 81%
V SEMESTER			
2017 – 2021			
	Niveditha.R– 84%	Narendra.N – 81%	Deepika -79%
VII SEMESTER			
2016– 2020			
	Raksha.G– 80%	Sushmitha S Katti– 77%	Priyanka -76%

BATCH	I RANK	II RANK	III RANK
IV SEMESTER			
2018 – 2022			
	Swikruthi S Devakande– 89%	Prabhavathi.K– 88%	Himashree Gowda– 87%
VI SEMESTER			
2017 – 2021			
	Niveditha.R– 86%	Narendra.N – 83%	Nandeesh-81%
VIII SEMESTER			
2016– 2020			
	Sushmitha S Katti– 85%	Raksha.G– 83%	Priyanka -81%

## MEMBERSHIP OF PROFESSIONAL BODIES

S.NO	PROGRAMME
1	Mr. R. R. Elangovan, Professor & Head is the Life Time member of AeSI
2	Mr. Dhanya Praksh R.B , Associate professor is a member of AeSI and MISTE
3	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)
4	Mr. Inamul Hasan M, Assistant Professor is a member of IE(I).
5	Mr. Radha Krishnan P, Assistant Professor is a member of IE(I).

## PLACEMENT

Our students are placed in Safran, Capgemini, TCS, Aerolance, Ray dynamics, Intel, Aerotics, Mindtree, AK Tech, etc. Some of the students are Entrepreneur and some of them are doing their Higher studies

## OUR RECRUITERS







**“Every pain gives a lesson  
and every lesson changes  
a person.”**

— A.P.J Abdul Kalam

**IN LIFE YOU ARE EITHER A  
PASSENGER OR A PILOT,  
IT'S YOUR CHOICE.**

MATTMANERO | @MATTMANERO

