



EXCEL ENGINEERING COLLEGE (Autonomous)

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Accredited by NBA (AERO, CSE, ECE & MECH), NAAC with "A+" and Recognised by
UGC (2f & 12B)
KOMARAPALAYAM - 637303

DEPARTMENT OF AERONAUTICAL ENGINEERING

2.2.1. The institution assesses student's learning levels and organizes special programmes for both slow and advanced learners.

Academic Year 2022-23

S.No	Year/Sec	Total Strength	Nature of Special Programme for Slow learners	Nature of Special Programme for advanced learners
1	IV/A & B	104	Coaching Classes	Gate Coaching
2	III	60	Coaching Classes	External Participation
3	II	64	Coaching Classes	External Participation
Grand Total		228		




HoD/Aero

Dr. S. P. VENKATESAN, M.E., Ph.D.,
HEAD OF THE DEPARTMENT,
DEPARTMENT OF AERONAUTICAL ENGINEERING,
EXCEL ENGINEERING COLLEGE
KOMARAPALAYAM - 637 303





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KOMARAPALAYAM - 637303

Department of Aeronautical Engineering

Academic Year 2022-23

PROPOSAL LETTER

Komarapalayam,
19.10.2022.

From

Mr S.R Arun,
Assistant Professor,
Department of Aeronautical Engineering,
Excel Engineering College,
Komarapalayam.

To

The Principal,
Excel Engineering College,
Komarapalayam.

Respected Sir,

Sub: Seeking permission to conduct "Slow Learners Classes for 2022-23 ODD Semester" - Reg.

We have planned to conduct Slow Learners Classes in this Academic Year 2022-23 for the II, III, & IV year students who are academically poor in their previous semesters. The classes will be conducted from 24.10.2022 with the following order. Permission may please be granted to conduct the classes.

Timing: 05.00 pm to 6.15 pm


Day	Year / Sem / Sec	Sub Code & Name of the Subject	Subject In charge
Day-1	II / III	20MA301 - Transforms and Boundary Value Problems	Ms.M.Pavithra
	III / V	20AE501 - Flight Dynamics	Dr.M.Gowtham
	IV / VII / A	GE8077 - Total Quality Management	Dr.S.P.Venkatesan
	IV / VII / B	GE8077 - Total Quality Management	Mr.P.V.Prakaash

Day-2	II / III	20AE301 - Aero Engineering Thermodynamics	Mr.K.Vijay Babu
	III / V	20AE502 - Rocket and Space Propulsion	Mr.N.Sreenivasaraja
	IV / VII / A	AE8751 - Avionics	Mr.S.Balasundaram
	IV / VII / B	AE8751 - Avionics	Dr.M.Gowtham
Day-3	II / III	20AE302 - Engineering Materials and Metallurgy	Mr.K.Vijay Babu
	III / V	20AE503 - Compressible Flow Aerodynamics	Mr.S.Balasundaram
	IV / VII / A	ME8093 - Computational Fluid Dynamics	Mr.S.R.Arun
	IV / VII / B	ME8093 - Computational Fluid Dynamics	Dr.A.Karthikeyan
Day-4	II / III	20AE303 - Manufacturing Technology	Mr.M.Sanjay
	III / V	20AE504 - Aircraft Structural Analysis	Mr.G.Velmurugan
	IV / VII / A	OML751 - Testing of Materials	Mr.J.Senthil Kumar
	IV / VII / B	OML751 - Testing of Materials	Mr.S.Karthik
Day-5	II / III	20AE304 - Fluid Mechanics and Machinery for Aeronautical Engineers	Mr.S.Prabhu
	III / V	20SFO04 - First Aid and Emergency Procedures	Mr.Surendar
	IV / VII / A	AE8006 - UAV Systems	Mr.M.G.Rajagopal
	IV / VII / B	AE8006 - UAV Systems	Mr.G.Velmurugan
Day-6	II / III	20AE305 - Strength of Materials for Aeronautical Engineers	Mr.J.Senthil Kumar
	III / V	20AEE61 - Computer Integrated Manufacturing	Mr.S.Prabhu
	IV / VII / A	AE8009 - Airframe Maintenance and Repair	Mr.N.Sreenivasaraja
	IV / VII / B	AE8009 - Airframe Maintenance and Repair	Mr.S.Sundaram

Thanking you,


Academic Coordinator




HOD/AERO
Dr.S.P.VENKATESAN, M.E., Ph.D.,
HEAD OF THE DEPARTMENT,
DEPARTMENT OF AERONAUTICAL ENGINEERING,
EXCEL ENGINEERING COLLEGE
KOMARAPALAYAM - 637 303



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KOMARAPALAYAM - 637303

Department of Aeronautical Engineering
Academic Year 2022-23

Evening Coaching Class Circular

Academic Year: 2022-23

Date: 19.10.2022

Following coaching class schedule must be followed by the concern faculty members for the improvement of results from 24.10.22 with the following order. All the listed students must attend the coaching class. Interested students can also attend.


Timing: 05.00 pm to 6.15 pm

Day	Year / Sem / Sec	Sub Code & Name of the Subject	Subject In charge
Day-1	II / III	20MA301 - Transforms and Boundary Value Problems	Ms.M.Pavithra
	III / V	20AE501 - Flight Dynamics	Dr.M.Gowtham
	IV / VII / A	GE8077 - Total Quality Management	Dr.S.P.Venkatesan
	IV / VII / B	GE8077 - Total Quality Management	Mr.P.V.Prakaash
Day-2	II / III	20AE301 - Aero Engineering Thermodynamics	Mr.K. Vijay Babu
	III / V	20AE502 - Rocket and Space Propulsion	Mr.N.Sreenivasaraja
	IV / VII / A	AE8751 - Avionics	Mr.S.Balasundaram
	IV / VII / B	AE8751 - Avionics	Dr.M.Gowtham
Day-3	II / III	20AE302 - Engineering Materials and Metallurgy	Mr.K. Vijay Babu
	III / V	20AE503 - Compressible Flow Aerodynamics	Mr.S.Balasundaram
	IV / VII / A	ME8093 - Computational Fluid Dynamics	Mr.S.R.Arun
	IV / VII / B	ME8093 - Computational Fluid Dynamics	Dr.A.Karthikeyan
Day-4	II / III	20AE303 - Manufacturing Technology	Mr.M.Sanjay
	III / V	20AE504 - Aircraft Structural Analysis	Mr.G. Velmurugan
	IV / VII / A	OML751 - Testing of Materials	Mr.J.Senthil Kumar

	IV / VII / B	OML751 - Testing of Materials	Mr.S.Karthik
Day-5	II / III	20AE304 - Fluid Mechanics and Machinery for Aeronautical Engineers	Mr.S.Prabhu
	III / V	20SFO04 - First Aid and Emergency Procedures	Mr.Surendar
	IV / VII / A	AE8006 - UAV Systems	Mr.M.G.Rajagopal
	IV / VII / B	AE8006 - UAV Systems	Mr.G.Velmurugan
Day-6	II / III	20AE305 - Strength of Materials for Aeronautical Engineers	Mr.J.Senthil Kumar
	III / V	20AEE61 - Computer Integrated Manufacturing	Mr.S.Prabhu
	IV / VII / A	AE8009 - Airframe Maintenance and Repair	Mr.N.Sreenivasaraja
	IV / VII / B	AE8009 - Airframe Maintenance and Repair	Mr.S.Sundaram


Academic Coordinator




HoD
Dr.S.P.VENKATESAN, M.E., Ph.D.,
HEAD OF THE DEPARTMENT,
DEPARTMENT OF AERONAUTICAL ENGINEERING,
EXCEL ENGINEERING COLLEGE
KOMARAPALAYAM - 637 303

Name List:**II Year**

S.No	ROLL NUMBER	REGISTER NUMBER	NAME
1.	21AE001	730921101001	ABDUL BAIZ BACKER KADAVIL
2.	21AE007	730921101007	AZARUDDIN R
3.	21AE012	730921101011	CHHOTU KUMAR MUKHIYA
4.	21AE013	730921101012	DHINESHKUMAR M
5.	21AE015	730921101014	GOKUL M
6.	21AE016	730921101015	GOWTHAM K
7.	21AE028	730921101027	MD AFJAL ALI
8.	21AE030	730921101028	MD ASGOR ALI F
9.	21AE031	730921101029	MOHAMMAD JABEER
10.	21AE032	730921101030	MOHAMMED FAIZAN Z
11.	21AE036	730921101034	MOHAMMED UMAR AINAN
12.	21AE037	730921101035	MOHAMMED ZUBER
13.	21AE047	730921101045	RAJ KISHORE SAHU
14.	21AE049	730721101047	RITIK KUMAR
15.	21AE050	730721101048	ROHIT KUMAR
16.	21AE056	730921101054	SHYAM HARI V.S
17.	21AE057	730921101055	SIPENDRA KUMAR YADAV
18.	21AE062	730921101060	UDHAYAKUMAR G
19.	22LAE070	730921101301	SAMBASIVAM R

III Year

S.No	ROLL NUMBER	REGISTER NUMBER	NAME
1.	20AE003	730920101003	ADITYA SINGH
2.	20AE005	730920101005	AMAN ARYAN
3.	20AE017	730920101018	JAGADEESH J
4.	20AE019	730920101020	MAAZ AHMED NADEEM
5.	20AE020	730920101021	MAHADEVA SWAMY S
6.	20AE021	730920101022	MAHEEN TARANNUM
7.	20AE023	730920101024	MANIKANDA PRABHU M
8.	20AE027	730920101028	MANOHARAN D
9.	20AE029	730920101030	MUHAMMED MUTHEEB MUTHEEB
10.	20AE030	730920101031	MUTHU KUMAR D
11.	20AE031	730920101032	NAVANEETHAN M S
12.	20AE032	730920101033	NAVEEN KUMAR A

IV Year

S.No	ROLL NUMBER	REGISTER NUMBER	NAME
1.	19AE006	730919101007	AKASH E
2.	19AE020	730919101023	ELAVARASAN K
3.	19AE029	730919101033	JANMEJAY KUMAR CHAUBEY
4.	19AE042	730919101047	MANISH KUMAR DUBEY
5.	19AE045	730919101052	MD TARIQUE MAHMOOD
6.	19AE057	730919101063	NAVEEN KUMAR R
7.	19AE054	730919101060	MOUNIKA P
8.	19AE064	730919101070	PRADEEP M
9.	19AE072	730919101082	RANJITH M
10.	19AE079	730919101092	SETHUPATHI S
11.	19AE085	730919101097	SOMASUNDARAM R
12.	19AE097	730919101109	THAMIZHARASAN G

Attendance:

II Year

S. No	ROLL NUMBER	REGISTER NUMBER	NAME	24. 10	25. 10	26. 10	27. 10	28. 10	31. 10	1. 11	2. 11
1.	21AE001	730921101001	ABDUL BAIZ BACKER KADAVIL	/	/	/	a	/	/	/	/
2.	21AE007	730921101007	AZARUDDIN R	/	/	/	/	/	/	/	a
3.	21AE012	730921101011	CHHOTU KUMAR MUKHIYA	/	/	a	/	/	/	/	/
4.	21AE013	730921101012	DHINESHKUMAR M	/	/	/	/	/	/	/	/
5.	21AE015	730921101014	GOKUL M	/	/	/	/	/	/	/	/
6.	21AE016	730921101015	GOWTHAM K	/	/	/	a	/	/	/	/
7.	21AE028	730921101027	MD AFJAL ALI	/	/	/	/	/	/	/	/
8.	21AE030	730921101028	MD ASGOR ALI F	/	/	/	/	/	/	/	/
9.	21AE031	730921101029	MOHAMMAD JABEER	/	/	/	a	/	/	/	/
10.	21AE032	730921101030	MOHAMMED FAIZAN Z	/	/	/	/	/	/	a	/
11.	21AE036	730921101034	MOHAMMED UMAR AINAN	a	/	/	/	/	/	/	/
12.	21AE037	730921101035	MOHAMMED ZUBER	/	/	a	a	/	/	/	/

13.	21AE047	730921101045	RAJ KISHORE SAHU	/	/	a	/	/	/	/	/
14.	21AE049	730721101047	RITIK KUMAR	/	/	/	/	/	/	a	/
15.	21AE050	730721101048	ROHIT KUMAR	/	/	/	/	a	/	/	/
16.	21AE056	730921101054	SHYAM HARI V.S	/	/	/	/	/	/	/	/
17.	21AE057	730921101055	SIPENDRA KUMAR YADAV	/	/	/	a	/	/	/	/
18.	21AE062	730921101060	UDHAYAKUMAR G	/	/	/	/	/	/	/	/
19.	22LAE070	730921101301	SAMBASIVAM R	/	a	/	/	/	/	/	/

III Year

S.No	ROLL NUMBER	REGISTER NUMBER	NAME	24. 10	25. 10	26. 10	27. 10	28. 10	31. 10
1.	20AE003	730920101003	ADITYA SINGH	/	/	/	/	a	a
2.	20AE005	730920101005	AMAN ARYAN	/	a	/	/	/	/
3.	20AE017	730920101018	JAGADEESH J	/	/	/	/	/	/
4.	20AE019	730920101020	MAAZ AHMED NADEEM	/	/	a	/	/	/
5.	20AE020	730920101021	MAHADEVA SWAMY S	/	/	/	/	/	/
6.	20AE021	730920101022	MAHEEN TARANNUM	/	/	/	/	/	/
7.	20AE023	730920101024	MANIKANDA PRABHU M	/	/	/	a	/	/
8.	20AE027	730920101028	MANOHARAN D	/	/	/	/	/	/
9.	20AE029	730920101030	MUHAMMED MUTHEEB MUTHEEB	/	a	/	/	/	/
10.	20AE030	730920101031	MUTHU KUMAR D	/	/	/	/	/	/
11.	20AE031	730920101032	NAVANEETHAN M S	/	/	/	/	a	/
12.	20AE032	730920101033	NAVEEN KUMAR A	/	/	/	/	/	/

IV Year

S.No	ROLL NUMBER	REGISTER NUMBER	NAME	24. 10	25. 10	26. 10	27. 10	28. 10	31. 10
1.	19AE006	730919101007	AKASH E	a	/	/	/	/	/
2.	19AE020	730919101023	ELAVARASAN K	/	/	/	/	/	/
3.	19AE029	730919101033	JANMEJAY KUMAR CHAUBEY	/	/	a	/	/	/
4.	19AE042	730919101047	MANISH KUMAR DUBEY	/	/	a	a	/	/
5.	19AE045	730919101052	MD TARIQUE MAHMOOD	/	/	/	/	/	/
6.	19AE057	730919101063	NAVEEN KUMAR R	/	/	/	/	/	/
7.	19AE054	730919101060	MOUNIKA P	/	/	a	/	/	/
8.	19AE064	730919101070	PRADEEP M	/	/	/	/	/	/
9.	19AE072	730919101082	RANJITH M	/	a	/	/	/	/
10.	19AE079	730919101092	SETHUPATHI S	/	/	/	/	/	/
11.	19AE085	730919101097	SOMASUNDARAM R	/	/	/	a	/	/
12.	19AE097	730919101109	THAMIZHARASAN G	/	/	/	/	/	/



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KOMARAPALAYAM - 637303

Department of Aeronautical Engineering

Academic Year 2022-23

PROPOSAL LETTER

Komarapalayam,

01.03.2023.

From

Mr.S.R Arun,
Assistant Professor,
Department of Aeronautical Engineering,
Excel Engineering College,
Komarapalayam.

To

The Principal,
Excel Engineering College,
Komarapalayam.

Respected Sir,

Sub: Seeking permission to conduct "Slow Learners Classes for 2022-23 EVEN Semester" -
Reg.

We have planned to conduct Slow Learners Classes in this Academic Year 2022-23 for the II, III, & IV year students who are academically poor in their previous semesters. The classes will be conducted from 06.03.2023 with the following order. Permission may please be granted to conduct the classes.

Timing: 05.00 pm to 6.15 pm


Day	Year / Sem / Sec	Sub Code & Name of the Subject	Subject In charge
Day-1	II / IV	20MA401 - Numerical Analysis and Statistics	Ms.M.Pavithra
	III / VI	20AE601 - Finite Element Methods	Dr.A.Karthikeyan
	IV / VIII / A	AE8015 - Industrial Aerodynamics	Mr.S.Balasundaram

	IV / VIII / B	AE8015 - Industrial Aerodynamics	Mr.S R Arun
Day-2	II / IV	20AE401 - Aircraft Structural Mechanics	Dr.M.Gowtham
	III / VI	20AE602 - Composite Materials and Structures	Mr.G.Velmurugan
	IV / VIII / A	MG8591 - Principles of Management	Dr.S.P.Venkatesan
	IV / VIII / B	MG8591 - Principles of Management	Mr.S.Prabhu
Day-3	II / IV	20AE402 - Aircraft Propulsion	Mr.K.Vijay Babu
	III / VI	20AE603 - Professional Ethics in Engineering	Mr.M.G.Rajagopal
	IV / VIII / A	AE8015 - Industrial Aerodynamics	Mr.S.Balasundaram
	IV / VIII / B	AE8015 - Industrial Aerodynamics	Mr.S R Arun
Day-4	II / IV	20AE403 - Aircraft Systems and Instruments	Mr.N.Sreenivasaraja
	III / VI	20AE604 - UAV Systems	Mr.S.Karthik
	IV / VIII / A	MG8591 - Principles of Management	Dr.S.P.Venkatesan
	IV / VIII / B	MG8591 - Principles of Management	Mr.S.Prabhu
Day-5	II / IV	20AE404 - Mechanics of Machinery	Mr.P.V.Prakaash
	III / VI	20AEE47 - Experimental Stress Analysis	Mr.J.Senthil Kumar
	IV / VIII / A	AE8015 - Industrial Aerodynamics	Mr.S.Balasundaram
	IV / VIII / B	AE8015 - Industrial Aerodynamics	Mr.S R Arun
Day-6	II / IV	20AE405 - Aerodynamics	Mr.M.Sanjay
	III / VI	20MEO03 - Automotive Technology	Mr.K.Arulkumar
	IV / VIII / A	MG8591 - Principles of Management	Dr.S.P.Venkatesan
	IV / VIII / B	MG8591 - Principles of Management	Mr.S.Prabhu

Thanking you,


Academic Coordinator




HoD
Dr.S.P.VENKATESAN, M.E., Ph.D.,
HEAD OF THE DEPARTMENT,
DEPARTMENT OF AERONAUTICAL ENGINEERING,
EXCEL ENGINEERING COLLEGE
KOMARAPALAYAM - 637 583



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Department of Aeronautical Engineering
Academic Year 2022-23

Evening Coaching Class Circular

Academic Year: 2022-23
06.03.2023

Date:

Following coaching class schedule must be followed by the concern faculty members for the improvement of results from 06.03.2023 with the following order. All the listed students must attend the coaching class. Interested students can also attend.

Timing: 05.00 pm to 6.15 pm

Day	Year / Sem / Sec	Sub Code & Name of the Subject	Subject In charge
Day-1	II / IV	20MA401 - Numerical Analysis and Statistics	Ms.M.Pavithra
	III / VI	20AE601 - Finite Element Methods	Dr.A.Karthikeyan
	IV / VIII / A	AE8015 - Industrial Aerodynamics	Mr.S.Balasundaram
	IV / VIII / B	AE8015 - Industrial Aerodynamics	Mr.S R Arun
Day-2	II / IV	20AE401 - Aircraft Structural Mechanics	Dr.M.Gowtham
	III / VI	20AE602 - Composite Materials and Structures	Mr.G.Velmurugan
	IV / VIII / A	MG8591 - Principles of Management	Dr.S.P.Venkatesan
	IV / VIII / B	MG8591 - Principles of Management	Mr.S.Prabhu
Day-3	II / IV	20AE402 - Aircraft Propulsion	Mr.K.Vijay Babu
	III / VI	20AE603 - Professional Ethics in Engineering	Mr.M.G.Rajagopal
	IV / VIII / A	AE8015 - Industrial Aerodynamics	Mr.S.Balasundaram

	IV / VIII / B	AE8015 - Industrial Aerodynamics	Mr.S R Arun
Day-4	II / IV	20AE403 - Aircraft Systems and Instruments	Mr.N.Sreenivasaraja
	III / VI	20AE604 - UAV Systems	Mr.S.Karthik
	IV / VIII / A	MG8591 - Principles of Management	Dr.S.P.Venkatesan
	IV / VIII / B	MG8591 - Principles of Management	Mr.S.Prabhu
Day-5	II / IV	20AE404 - Mechanics of Machinery	Mr.P.V.Prakaash
	III / VI	20AEE47 - Experimental Stress Analysis	Mr.J.Senthil Kumar
	IV / VIII / A	AE8015 - Industrial Aerodynamics	Mr.S.Balasundaram
	IV / VIII / B	AE8015 - Industrial Aerodynamics	Mr.S R Arun
Day-6	II / IV	20AE405 - Aerodynamics	Mr.M.Sanjay
	III / VI	20MEO03 - Automotive Technology	Mr.K.Arulkumar
	IV / VIII / A	MG8591 - Principles of Management	Dr.S.P.Venkatesan
	IV / VIII / B	MG8591 - Principles of Management	Mr.S.Prabhu

Thanking you,



Academic Coordinator




HoD

Dr.S.P.VENKATESAN, M.E., Ph.D.,
 HEAD OF THE DEPARTMENT,
 DEPARTMENT OF AERONAUTICAL ENGINEERING,
 EXCEL ENGINEERING COLLEGE
 KOMARAPALAYAM - 637 303

Name List:**II Year**

S.No	ROLL NUMBER	REGISTER NUMBER	NAME
1.	21AE007	730921101007	AZARUDDIN R
2.	21AE012	730921101011	CHHOTU KUMAR MUKHIYA
3.	21AE013	730921101012	DHINESHKUMAR M
4.	21AE016	730921101015	GOWTHAM K
5.	21AE028	730921101027	MD AFJAL ALI
6.	21AE030	730921101028	MD ASGOR ALI F
7.	21AE032	730921101030	MOHAMMED FAIZAN Z
8.	21AE036	730921101034	MOHAMMED UMAR AINAN
9.	21AE037	730921101035	MOHAMMED ZUBER
10.	21AE047	730921101045	RAJ KISHORE SAHU
11.	21AE050	730721101048	ROHIT KUMAR
12.	21AE056	730921101054	SHYAM HARI V.S
13.	21AE057	730921101055	SIPENDRA KUMAR YADAV
14.	21AE062	730921101060	UDHAYAKUMAR G
15.	22LAE070	730921101301	SAMBASIVAM R

III Year

S.No	ROLL NUMBER	REGISTER NUMBER	NAME
1.	20AE005	730920101005	AMAN ARYAN
2.	20AE017	730920101018	JAGADEESH J
3.	20AE019	730920101020	MAAZ AHMED NADEEM
4.	20AE020	730920101021	MAHADEVA SWAMY S
5.	20AE023	730920101024	MANIKANDA PRABHU M
6.	20AE027	730920101028	MANOHARAN D
7.	20AE030	730920101031	MUTHU KUMAR D
8.	20AE031	730920101032	NAVANEETHAN M S
9.	20AE032	730920101033	NAVEEN KUMAR A
10.	21LAE067	730920101305	NAVIN KUMAR S T

IV Year

S.No	ROLL NUMBER	REGISTER NUMBER	NAME
1.	19AE006	730919101007	AKASH E
2.	19AE020	730919101023	ELAVARASAN K
3.	19AE029	730919101033	JANMEJAY KUMAR CHAUBEY
4.	19AE045	730919101052	MD TARIQUE MAHMOOD
5.	19AE057	730919101063	NAVEEN KUMAR R
6.	19AE064	730919101070	PRADEEP M
7.	19AE072	730919101082	RANJITH M
8.	19AE079	730919101092	SETHUPATHI S
9.	19AE085	730919101097	SOMASUNDARAM R

III Year

S.No	ROLL NUMBER	REGISTER NUMBER	NAME	6.3	7.2	8.3	9.3	10.3	13.2
1.	20AE005	730920101005	AMAN ARYAN	/	a	/	/	/	/
2.	20AE017	730920101018	JAGADEESH J	/	/	/	a	a	/
3.	20AE019	730920101020	MAAZ AHMED NADEEM	/	/	/	/	/	/
4.	20AE020	730920101021	MAHADEVA SWAMY S	/	/	a	/	/	/
5.	20AE023	730920101024	MANIKANDA PRABHU M	/	/	/	/	/	/
6.	20AE027	730920101028	MANOHARAN D	/	/	/	/	/	/
7.	20AE030	730920101031	MUTHU KUMAR D	/	/	a	/	/	/
8.	20AE031	730920101032	NAVANEETHAN M S	/	/	/	/	/	/
9.	20AE032	730920101033	NAVEEN KUMAR A	/	a	/	/	/	/
10.	21LAE067	730920101305	NAVIN KUMAR S T	/	/	/	/	a	/

IV Year

S.No	ROLL NUMBER	REGISTER NUMBER	NAME	6.3	7.3	8.3	9.3	10.3	13.3
1.	19AE006	730919101007	AKASH E	/	/	/	/	/	/
2.	19AE020	730919101023	ELAVARASAN K	/	a	/	/	/	/
3.	19AE029	730919101033	JANMEJAY KUMAR CHAUBEY	/	/	/	/	/	/
4.	19AE045	730919101052	MD TARIQUE MAHMOOD	/	a	/	/	/	/
5.	19AE057	730919101063	NAVEEN KUMAR R	/	/	/	a	/	/
6.	19AE064	730919101070	PRADEEP M	/	/	/	/	/	/
7.	19AE072	730919101082	RANJITH M	/	/	/	/	a	/
8.	19AE079	730919101092	SETHUPATHI S	/	/	/	a	a	/
9.	19AE085	730919101097	SOMASUNDARAM R	/	/	/	/	/	/



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KOMARAPALAYAM - 637303

ACADEMIC YEAR 2022-23
DEPARTMENT OF AERONAUTICAL ENGINEERING
ADVANCED LEARNERS

NOTE:

Advance Learners are motivated to participate in Seminar, Workshop, Symposia, Conference, Internship and other co-curricular activities.



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Department of Aeronautical Engineering

Student participation Details

S.No.	Name of Student	Year	Event Name	Date	Organized College Name
1	Malini M	2nd	Automation and 3D Printing (Workshop)	17.02.2023 & 18.02.2023	Karpagam College of Engineering
2	Suhana Khanum	2nd	Automation and 3D Printing (Workshop)	17.02.2023 & 18.02.2023	Karpagam College of Engineering
3	Suhana Khanum	2nd	AutoCAD-2D(Workshop)	07.02.2023	Learn Delta
4	Suhana Khanum	2nd	Power BI (workshop)	05.02.2023	LUDIFU
5	Suhana Khanum	2nd	Power Python (workshop)	10.02.2023	LUDIFU
6	Suhana Khanum	2nd	Power Excel (workshop)	10.02.2023	LUDIFU
7	Suhana Khanum	2nd	Excel for beginners by Tech for Teachers and Students (online)	11.02.2023	Cursa
8	Suhana Khanum	2nd	NodeJS complete by Traversy Media (Online Course)	11.02.2023	Cursa
9	Suhana Khanum	2nd	HTML for absolute beginners by Traversy Media	11.02.2023	Cursa
10	Suhana Khanum	2nd	JavaScript for beginners by Traversy Media	11.02.2023	Cursa
11	Suhana Khanum	2nd	Word for beginners by Tech for Teachers and Students	11.02.2023	Cursa
12	Suhana Khanum	2nd	An Introduction to Embedded System	15.01.2023	Cisco thingQbator
13	Suhana Khanum	2nd	National Intellectual Property Awareness Mission	31.01.2023	Intellectual Property Office , India
14	Yaseen Khan	2nd	Machine Larning and Image Processing	15.01.2023	Cisco thingQbator
15	Yaseen Khan	2nd	National Intellectual Property Awareness Mission	31.01.2023	Intellectual Property Office , India
16	Suhana Khanum	2nd	CyberSecurity workshop	03.02.2023	Hackingflix
17	Yaseen Khan	2nd	Camous Executive	01.01.2023 to 01.02.2023	Skill Vertex
18	Nishanth S	3rd	Water Rocket	17.02.2023 & 18.02.2023	Karpagam College of Engineering
19	Abinesh U	3rd	Water Rocket	17.02.2023 & 18.02.2023	Karpagam College of Engineering
20	Sivasubramiyan B	3rd	Water Rocket	17.02.2023 & 18.02.2023	Karpagam College of Engineering
21	Manikandan S	3rd	Water Rocket	17.02.2023 & 18.02.2023	Karpagam College of Engineering
22	Manikandan S	3rd	Design of Liquid Propellant Rocket Engines	24.02.2023 & 25.02.2023	Coimbatore Institute of Technology
23	Bhuvanesh R	3rd	Design of Liquid Propellant Rocket Engines	24.02.2023 & 25.02.2023	Coimbatore Institute of Technology
24	Sahaj Sabharwal	3rd	Design of Liquid Propellant Rocket Engines	24.02.2023 & 25.02.2023	Coimbatore Institute of Technology
25	Abinesh U	3rd	Design of Liquid Propellant Rocket Engines	24.02.2023 & 25.02.2023	Coimbatore Institute of Technology
26	Pradeesh A C	3rd	Design of Liquid Propellant Rocket Engines	24.02.2023 & 25.02.2023	Coimbatore Institute of Technology
27	Sivasubramiyan B	3rd	Design of Liquid Propellant Rocket Engines	24.02.2023 & 25.02.2023	Coimbatore Institute of Technology
28	Tanveer Nadaf	3rd	National Intellectual Property Awareness Mission	31.01.2023	Intellectual Property Office , India
29	Mohammed Mutheeb	3rd	National Intellectual Property Awareness Mission	31.01.2023	Intellectual Property Office , India
30	Gowtham N	3rd	NCC Training Camp	10.01.2023	NCC, Erode
31	Nitharsan R	3rd	National Intellectual Property Awareness Mission	31.01.2023	Intellectual Property Office , India
32	Nishanth S	3rd	National Intellectual Property Awareness Mission	31.01.2023	Intellectual Property Office , India



S.P. Venkatesan
S.P.VENKATESAN, M.E., Ph.D.,
 HEAD OF THE DEPARTMENT
 DEPARTMENT OF AERONAUTICAL ENGINEERING
 EXCEL ENGINEERING COLLEGE
 KOMARAPALAYAM - 637 303

CERTIFICATE OF PARTICIPATION

We hereby proudly present this certificate of participation to

SUHANA KHANUM

We appreciate the work done & wish him/her all the best for their future endeavors

1 Hour Workshop Name: **POWER PYTHON**

Date: **10-02-2023**

Certificate ID :16-25-20-8-15-14-2288494

Verify by emailing: contact@ludifu.com
LUDIFU has confirmed the identity of the
Individual and their participation in the
activity

LUDIFU
Let Us Do It For U



Puneet Rawat
Founder & CEO, LUDIFU



COIMBATORE INSTITUTE OF TECHNOLOGY, COIMBATORE - 641 014



(Government Aided Autonomous Institution Affiliated to Anna University, Chennai)

CGC - CONTINUOUS LEARNING ASSESSMENT
PROGRESSION (CLAP) CELL

Sponsored 2 Days Students Workshop

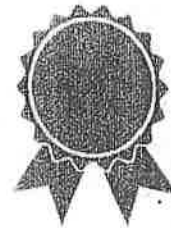
on

DESIGN OF LIQUID PROPELLANT ROCKET ENGINES (FUNDAMENTALS & CALCULATIONS)
CERTIFICATE OF PARTICIPATION

This is to certify that Mr./Ms. A.C. PRADEESH from
Excel Engineering College has participated in the 2 Days Students Workshop
on "Design of Liquid Propellant Rocket Engines (Fundamentals and Calculations)" organized by Career
Guidance and Counselling (CGC) - Continuous Learning Assessment Progression (CLAP) Cell,
Coimbatore Institute of Technology, Coimbatore, during 24th and 25th February 2023.

Dr D P Sam Solomon
Convener

Dr N Rajam Ramaswamy
HoD (i/c) Mech. Engg



Mrs K Divya Mohana Rajiv
Coordinator, CIT Institutions

Dr Vallappan Raman
HoD, AI&DS

Dr A Rajeswari
Principal, CIT

KARPAGAM
COLLEGE OF ENGINEERING
Rediscover | Refine | Redefine

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AN ISO 9001:2015 and ISO 14001:2015 Certified Institution



CERTIFICATE OF PARTICIPATION

This Certificate is presented to

ABINESH U

of

EXCEL ENGINEERING COLLEGE

Who has participated in WATER ROCKET

of DHRUVA 2023 organised by Karpagam College of Engineering,

Coimbatore on 17th and 18th February, 2023.

Dr. P. Vijayakumar
Principal

Co-Sponsors



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REQUEST LETTER

28.12.2022

From

Mr N.Sreenivasaraja,
Assistant Professor,
Department of Aeronautical Engineering,
Excel Engineering College,
Komarapalayam.

To

Head of the Department,
Department of Aeronautical Engineering,
Excel Engineering College,
Komarapalayam.

Respected Sir,

Sub: Seeking permission to conduct "GATE Coaching Class" - Reg.

The Department of Aeronautical Engineering is planning to conduct "GATE Coaching Class" for the Academic Year 2022-23 from 23.01.2023 at evening 5:00 pm to 6:30 pm. So we request you to give permission to conduct GATE Classes for the Students.

Thanking You

Yours Truly,



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Department of Aeronautical Engineering

Academic Year 2022-23

Ref: EEC/AERO/GATE/2022-23/01

Date: 02.01.2023

CIRCULAR

Department of Aeronautical Engineering is planned to conduct "GATE Coaching Class" from 23.01.2023 at 5.00 pm to 6:30 pm. interested students are directed to enroll their name to the respective Coordinator.


Coordinator




HOD

Dr.S.P.VENKATESAN. M.E., Ph.D.,
HEAD OF THE DEPARTMENT,
DEPARTMENT OF AERONAUTICAL ENGINEERING,
EXCEL ENGINEERING COLLEGE
KOMARAPALAYAM - 637 303

To:

Notice Board

Copy to:

1. Principal
2. HOD File
3. Academic Coordinator
4. Placement Coordinator



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Department of Aeronautical Engineering

Academic Year 2022-23

GATE Coaching Class Schedule

Day	Name of the Subject	Subject In charge
Day-1	Aerodynamics	N.Sreenivasaraja
		R.Roopesh
		M.Goutham
Day-2	Engineering Mathematics	M.Pavithra
Day-3	Flight Mechanics	G.Velmurugan
		M.Nambirajan
		S.Balasundaram
Day-4	Space Dynamics	D.Vadivel
		S.Prabhu
Day-5	Propulsion	R.Roopesh
		M.Sanjay
		J.Senthil Kumar
Day-6	Structures	K.Vijay Babu
		S.R.Arun
		S.Karthik

Coordinator



HOD

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DEPARTMENT OF AERONAUTICAL ENGINEERING

ACADEMIC YEAR 2022-2023

GATE COACHING CLASS (5:00 pm to 6:30 pm)

S.NO.	NAME OF THE SUBJECT	SYLLABUS	NAME OF THE FACULTY
1.	Engineering Mathematics	<p>Core Topics: Linear Algebra: Vector algebra, Matrix algebra, systems of linear equations, rank of a matrix, Eigen values and eigenvectors.</p> <p>Calculus: Functions of single variable, limits, continuity and differentiability, mean value theorem, chain rule, partial derivatives, maxima and minima, gradient, divergence and curl, directional derivatives. Integration, Line, surface and volume integrals. Theorems of Stokes, Gauss and Green.</p> <p>Differential Equations: First order linear and nonlinear differential equations, higher order linear ODEs with constant coefficients. Partial differential equations and separation of variables methods.</p> <p>Special Topics: Fourier Series, Laplace Transforms, Numerical methods for linear and nonlinear algebraic equations, Numerical integration and differentiation.</p>	M.Pavithra
2.	Flight Mechanics	<p>Core Topics: Basics: Atmosphere: Properties, standard atmosphere. Classification of aircraft. Airplane (fixed wing aircraft) configuration and various parts.</p> <p>Airplane performance: Pressure altitude; equivalent, calibrated, indicated air speeds; Primary flight instruments: Altimeter, ASI, VSI, Turn-bank indicator. Drag polar; takeoff and landing; steady climb &</p>	G.Velmurugan M.Nambirajan



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		<p>descent, absolute and service ceiling; cruise, cruise climb, endurance or loiter; load factor, turning flight, V-n diagram; Winds: head, tail & cross winds</p> <p>Static stability: Angle of attack, sideslip; roll, pitch & yaw controls; longitudinal stick fixed & free stability, horizontal tail position and size; directional stability, vertical tail position and size; dihedral stability. Wing dihedral, sweep & position; hinge moments, stick forces;</p> <p>Special Topics: Dynamic stability: Euler angles; Equations of motion; aerodynamic forces and moments, stability & control derivatives; decoupling of longitudinal and lateral-directional dynamics; longitudinal modes; lateral-directional modes.</p>	S.Balasundaram
3.	Space Dynamics	<p>Core Topics: Central force motion, determination of trajectory and orbital period in simple cases.</p> <p>Special Topics: Orbit transfer, in-plane and out-of-plane.</p>	D.Vadivel
			S.Prabhu
4.	Aerodynamics	<p>Core Topics: Basic Fluid Mechanics: Conservation laws: Mass, momentum (Integral and differential form); Potential flow theory: sources, sinks, doublets, line vortex and their superposition; Viscosity, Reynolds number.</p> <p>Airfoils and wings: Airfoil nomenclature; Aerodynamic coefficients: lift, drag and moment; Kutta-Joukowski theorem; Thin airfoil theory, Kutta condition, starting vortex; Finite wing theory: Induced drag, Prandtl lifting line theory; Critical and drag divergence Mach number.</p>	N.Sreenivasaraja
			R.Roopesh



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		<p>Compressible Flows: Basic concepts of compressibility, Conservation equations; One dimensional compressible flows, Fanno flow, Rayleigh flow; Isentropic flows, normal and oblique shocks, Prandtl-Meyer flow; Flow through nozzles and diffusers.</p> <p>Special Topics: Elementary ideas of viscous flows including boundary layers; Wind Tunnel Testing: Measurement and visualization techniques.</p>	M.Gowtham
5.	Structures	<p>Core Topics: Strength of Materials: States of stress and strain. Stress and strain transformation. Mohr's Circle. Principal stresses. Three-dimensional Hooke's law. Plane stress and strain; Failure theories: Maximum stress, Tresca and von Mises; Strain energy. Castigliano's principles. Analysis of statically determinate and indeterminate trusses and beams. Elastic flexural buckling of columns. Flight vehicle structures: Characteristics of aircraft structures and materials. Torsion, bending and flexural shear of thin-walled sections. Loads on aircraft. Structural Dynamics: Free and forced vibrations of undamped and damped SDOF systems. Free vibrations of undamped 2-DOF systems. Special Topics: Vibration of beams. Theory of elasticity: Equilibrium and compatibility equations, Airy's stress function.</p>	D.Vadivel
			S.Balasundaram
			S.Karthik
6.	Propulsion	<p>Core Topics: Basics: Thermodynamics, boundary layers and heat transfer and combustion thermochemistry. Thermodynamics of aircraft engines: Thrust, efficiency and engine performance of turbojet, turboprop, turbo shaft, turbofan and ramjet engines, thrust augmentation of turbojets and turbofan engines. Aerothermodynamics of non-rotating propulsion components such as intakes, combustor and nozzle.</p>	R.Roopesh
			M.Sanjay



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	<p>Axial compressors: Angular momentum, work and compression, characteristic performance of a single axial compressor stage, efficiency of the compressor and degree of reaction.</p> <p>Axial turbines: Axial turbine stage efficiency</p> <p>Centrifugal compressor: Centrifugal compressor stage dynamics, inducer, impeller and diffuser.</p> <p>Rocket propulsion: Thrust equation and specific impulse, vehicle acceleration, drag, gravity losses, multi-staging of rockets. Classification of chemical rockets, performance of solid and liquid propellant rockets.</p>	J.Senthil Kumar
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Coordinator




HOD

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