



KL University
(Deemed to be University, Estd. u/s. 3 of UGC Act 1956)
(NAAC Accredited "A" Grade University)

Koneru Lakshmaiah Education Foundation
Green Fields, Vaddeswaram- 522 502
Guntur District, A.P., INDIA.
Administrative Office: 0866-2577715
Campus: 08645-246948

Department of Atmospheric Sciences

(DST-FIST Sponsored)

offers

M.Tech Program in ATMOSPHERIC SCIENCE & SPACE TECHNOLOGY 2015-17

This teaching-cum-research program provides world-class academic curricula with a blend of Atmospheric Science & Space Communication Technologies to empower the students seeking TEACHING/ SCIENTIFIC/ RESEARCH-CAREER.

Duration of Course: 2 Years Full Time (Four Semesters)

Thrust Areas of academics

- ▶ Space Weather
- ▶ Global Navigation Satellite System
- ▶ Microwave and satellite communications
- ▶ Satellite Meteorology
- ▶ Atmospheric & Space Instrumentation
- ▶ Weather Applications to Urban hydrology, Air Quality and Agriculture
- ▶ Climate Change, Risk Assessment and Societal Impacts

Eligibility

- ▶ Any B.E/ B.Tech
- ▶ M.Sc. (Earth Science, Meteorology, Physical Oceanography, Atmospheric Science, Applied Mathematics, any branch of Physics, Electronics) with at least 60 % marks followed by Interview
- ▶ KLU Entrance Test
- ▶ Final Selection by Interview
- ▶ KL University reserves the right to alter any of the above norms

How to Apply - Mode of application is ONLINE at <http://kluniversity.in/klueee/Default.aspx>

Semester-I						
Code	Course	L	T	P	C	
I4AS 501	Microwave and satellite communications	3	1	0	4	
I4AS 502	Foundations of Atmospheric Science & Space Technology	3	1	0	4	
I4AS 503	Global Navigation Satellite System	3	1	2	5	
I4AS 504	Physics and Dynamics of Lower Atmosphere	3	1	2	5	
	Elective I	3	0	0	3	
	Elective II	3	0	0	3	
	Seminar	0	0	4	2	
	Total Credits					26

Semester-II						
Code	Course	L	T	P	C	
I4AS 505	Satellite Meteorology	3	1	2	5	
I4AS 506	Atmospheric & Space Instrumentation	3	1	0	4	
I4AS 507	Advanced Satellite Navigation Systems	3	1	0	4	
I4AS 508	Weather and Climate Applications	3	1	0	4	
	Elective III	3	0	0	3	
	Elective IV	3	0	0	3	
I4TP 501	Term Paper	0	0	4	2	
	Total Credits					25

Semester-III & IV	
Code	Course
I4PW 601	Project Work
	C-36

Elective Subjects	
Atmospheric and Weather Radars	Aeronomy
Modern Digital Communications	Estimation and Detection Theory
GIS Analysis & Modeling	Weather Hazards & Risk Assessment
Global Weather and Climate	Climate Change

L-Lecture; T-Tutorial; P-Practical; C-Credits

Number of Government Sponsored Research Projects: 4
(Funding higher than INR 1 Crore)

Number of Faculty with PhD's in the Department: 4

For further details, visit our website www.kluniversity.in Or
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