

# LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING (AUTONOMOUS)

L.B.Reddy Nagar, Mylavaram - 521 230.Andhra Pradesh, INDIA  
Affiliated to JNTUK, Kakinada & Approved by AICTE New Delhi  
Accredited by NAAC, An ISO 9001:2015 Certified Institution

## Department of Aerospace Engineering

Website: <http://lbrce.ac.in> Email: [hodaero@lbrce.ac.in](mailto:hodaero@lbrce.ac.in) Phone:08659-222933 Ext:513/515

<b>Title:</b>	Workshop on Glider and Hydro rocket (12 Hours Course)
<b>Number of Participants:</b>	30 Students from Department of AE
<b>Event Type:</b>	Hand on training and certification program
<b>Name of the organisation:</b>	Department of Aerospace Engineering, LBRCE
<b>Number of Days and Date:</b>	Starts on 29 <sup>th</sup> June, 2022
<b>Summary of the Event:</b>	Hands on training is given to the students in Glider and Hydro rocket.
<b>Outcome from the Event:</b>	<ul style="list-style-type: none"><li>• Basic principles of flying</li><li>• Calculations involved in designing a glider</li><li>• Designing a rocket using water bottle</li><li>• Recovery of hydro rocket using parachute</li></ul>
<b>Feedback Taken from Students:</b>	Students are happy with the content delivered and hands on training by resource person and they are ready to do real time projects.
<b>Action Plan:</b>	Department is taking initiation to give individual or group projects to students to use the modern tool to apply in various fields of engineering.

## ABOUT THE INSTITUTE

The Lakireddy Bali Reddy College of Engineering (LBRCE) was established in the year 1998 by Lakireddy Bali Reddy Charitable Trust, whose architect is Er. Lakireddy Bali Reddy. The institute is established with the sole aim of providing high quality educational opportunities in the field of science, engineering, technology and management. It is spread over 60 acres of sprawling lush green landscape spotted with orchids and grooves. It is approved by AICTE, affiliated to JNTUK, Kakinada and attained autonomous status in the year 2010. It attained NAAC accreditation status with 'A' Grade. The institute is certified by ISO: 9001-2015. LBRCE has sophisticated infrastructure with dedicated, well qualified and experienced faculty. A separate R&D cell is established in the college to focus on continuous sponsored research. It has various sponsored research projects by various funding agencies. All laboratories are equipped with state-of-the art facilities backed by advanced computer systems with latest software. The library is equipped with adequate volumes of books, journals with digital library facility.

## ABOUT THE DEPARTMENT

The department of Aerospace Engineering was started in the year 2011. The department offers 4years undergraduate program, B.Tech

in Aerospace Engineering. The department has a team of highly qualified, dedicated, and motivated faculty and well-equipped laboratories. The department has laboratories, classrooms, faculty rooms, sophisticated lab equipment's and well-versed library. The department has a wide range of teaching activities. The department prepared the graduates to undertake design, research, and maintenance activities to choose their careers in Aerospace Engineering.

## CONTENTS OF WORKSHOP

The schedule of the program includes the following.

- Introduction
- Designing of glider in CAD- 2D
- Cutting of sun pack sheets and making composites
- Center of Gravity checking and balancing and glider testing by flying
- Shaping the nose of the rocket and Fin designing in hydro- rocketry
- Parachute placing and deployment
- Testing of rocket with cold water, hot water, and carbonated water
- Conclusion

## RESOURCE PERSON

Mr. Sujay Sreedhar, CEO  
**Genex Space,**  
A unit of **Space Shaala Pvt. Ltd.,**  
Koramangala, Bengaluru,  
Karnataka 560095.

**LAKIREDDY BALIREDDY COLLEGE OF  
ENGINEERING (AUTONOMOUS)  
MYLAVARAM – 521 230**  
Departments of Aerospace Engineering  
*Two days workshop on*  
**“Glider and Hydro-rocketry and recovery”**  
29<sup>th</sup> & 30<sup>th</sup> June 2022

## REGISTRATION FORM

1. **Name:** \_\_\_\_\_
2. **Branch:** \_\_\_\_\_
3. **Institution:** \_\_\_\_\_
4. **Address for Correspondence**  
\_\_\_\_\_  
\_\_\_\_\_
5. **Phone no:** \_\_\_\_\_
6. **E-Mail:** \_\_\_\_\_

### Declaration

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the course.

**Place:**

**Date:**

**Signature of Student**

**Signature of Head of Department  
(With seal)**

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**LIST OF STUDENTS ENROLLED FOR THE WORKSHOP**

S.NO	ROLL NO.	NAME
1.	21761A5601	A.V. RANGA RADESH
2.	21761A5602	A.V. GANGADHAR
3.	21761A5604	B. PRAVEEN KUMAR
4.	21761A5605	B. CHATHURYA VARMA
5.	21761A5608	C. KRISHNA LIKHIL
6.	21761A5609	D. THIRUPATHI RAO
7.	21761A5614	K. ANUSHA
8.	21761A5615	K. LOKESH NAIK
9.	21761A5618	K. THARUN SRIRAM
10.	21761A5620	K. TEJA SAI MANIKANTHA
11.	21761A5622	SARWANI MANIKONDA
12.	21761A5623	M. CHAITANYA GREESHMA
13.	21761A5624	M.VENKATA VINAY
14.	21761A5625	M. TEJASWINI
15.	21761A5626	M. SRI BIMBI SARIKA
16.	21761A5627	M. SUSHMA SWARAJ
17.	21761A5628	M. BHAVYA SREE
18.	21761A5629	N. JAYA SRIDEVI
19.	21761A5631	P. SWATHI REKHA
20.	21761A5633	P. DURGA SRAVAN
21.	21761A5634	P. BHARGAV
22.	21761A5636	S. GOWSHYA
23.	21761A5637	S. SAHITHI SAFIYA
24.	21761A5638	S. NIVAS
25.	21761A5639	T. GANGADHA
26.	21761A5640	T. NITHYA PRIYA
27.	21761A5641	T. MOUNIKA
28.	21761A5644	U. DEVI NARASIMHA SWAMY
29.	21761A5645	U. SAI SANJAY VARDHAN
30.	21761A5648	Y. AVINASH

Head of the Department













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