

Miscellaneous

Raj Viren Lakhani Mechanical Engineering Indian Institute of Technology, Bombay 170040009 B.Tech. Gender: Male

ज्ञानम् चरमम् ध्येवम्	DOB: 17-08-1999			
Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2021	
		DLASTIC ACHIEVEMENTS		
	_	echanical Department and awardee of Institu		
_		n Fluid Mechanics (1/153) and Heat Transfer		['19
 Selected as an I 	Indergraduate Teaching Assistant	for first year Physics and Chemistry courses		['19
		INTERNSHIPS	_	
-		Engineering Centre (IEC) Seating, Pune	- •	'20-Jun '20
		Recommendation for potential tool cost and r		
Abbroach		ng jargons & 80+ design checks across Comfo		_
		K, NOK or NA after scrutinizing 45+ drawings; appliance for the upcoming Jaguar Land Rover	-	
Results	_	ght-first-time line operations and safety che	· · ·	
	·	ntern Guide: Prof. Kenneth Jansen		, 119-Jul 119
-	•	nd plots from 80 locations on the DLR-F6 wir		
Approach		e Coefficient (C _p) data for 14 cross-sections o		_
Results	-	ts with NASA's measurements averaged over	=	_
Results	 Computed 3 Boundary Layer (BL 	.) parameters with an accuracy of 97.6% rese	embling experimen	tal studies
·	POSIT	IONS OF RESPONSIBILITY		
Department R	esearch Coordinator Under	graduate Academic Council	[Apr	'19-Jun '20
	-	for a tenure impacting 4000+ students and 2		
mianiianis		ments for 450+ students through 3 centraliz		
		% Y-o-Y; gauged progress through bidirection		
initiatives		o promote industry-academia collaboration in the insights into application & admission proc	- ·	
		rtment Academic Mentor (D-AMP)		20-Present
		pased on interviews, peer reviews , SOP, and a	-	
-		their smooth transition to campus life and co		
Hianiiants	Mentoring and guiding 6 sophomore students in their academic issues and extra-curricular pursuits			
		a team of 13; 250+ daily hits and projected	•	
•		PUBLICATION		
"Hybrid Turbule	ence Model Computations of the	NASA Juncture Flow Model Using PHASTA"	presented at the	American
Institute of Aer	onautics and Astronautics SciTec	h Expo 2020; 272 reads and of 99% relative	ely higher researc	h interest
		KEY PROJECTS		
Tracking micro	bubbles in Bifurcating micro	ochannels Guide: Prof. Janani Murallidl	haran [Sep '	19-Present
Abbroach		nnel (100μm diameter) using PDMS soft-litho		
	_	different flow rate ratios of continuous (wa		
		ntial medical applications : Tracking embolus		
	·	s Guide: Prof. Parag Tandaiya	_	'19-Apr '19
Approach	_	t on creep deformation of solder wire at roor	•	
		tal setup to measure strain v/s time in a wire		
Results		(R ² =0.99) using 120 recorded values and calc	cuiated avg. stress	exponent
		CURRICULAR ACTIVITIES		.:.: - [/10
Cultural		I Mention for remarkable contribution to dar Convocation before 2000+ audience and Hon'		
		convocation before 2000+ audience and Hon tel Dance Championship; performed in a dan		1001 [18] ['18]
		nual Social Festival at IIT Bombay to facilitate		['18
Social	-	cord through solar energy awareness campai	_	

• Authored an article in the first ever UG Research 101 booklet with over 2.5k downloads

• Established Guinness World Record through solar energy awareness campaign at Techfest, IIT-B

• Led a team of 3 to devise a market growth strategy for MX short-video platform post TikTok ban

• Spearheaded a four-tier council as **Head Boy**; bagged **overall runner-up trophy** as a House Captain

['20]

['20]

['15]