

# Raineesh Babu KP

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## **ACADEMIC QUALIFICATIONS:**

COURSE	BRANCH / SUBJECTS	UNIVERSITY / BOARD	NAME OF INSTITUTION	YEAR OF PASSING	SCORE
M.Tech	Metallurgy Engineering	IIT Indore	IIT Indore	2021	9.81 (cgpa)
B. Tech	Mechanical Production	Kerala University	TKM College of Engineering	2018	9.24 (cgpa)
Higher Secondary Education (Plus Two)	Physics, Chemistry, Mathematics ,English	State Board	MES HSS	2014	98 (Percentage)
Secondary School Education (10 <sup>th</sup> )	Physics, Chemistry, Math, Eng, & General Subjects	CBSE	Bharathiya Vidya Bhavan	2012	10 (gpa)

## **M.TECH PROJECT:**

**Understanding the deformation behaviour of Magnesium:** Owing to its excellent specific mechanical properties, Mg is a good choice for light-weight structural materials. But the problem with its usage is the limited ductility. To overcome this, a better understanding of the deformation mechanism in Mg is required.

**Publication:** Raineesh, K. P.; Sairam, K.; Rajesh, K.; Prasad, K. E. Novel Approach to Characterize the Deformation under Berkovich and Spherical Indentations: Study on Magnesium Single Crystals. *Phys. Rev. Mater.*, **2021**, 5 (8), 1–7.

## **AWARDS AND RECOGNITIONS:**

1. Won best poster presentation award at SICE 2020 (Indian Structural Integrity Society) 2020 e-conference organized by IIT-B
2. Institute silver medal for best M. Tech project – IIT Indore
3. M.Tech - Class Topper.
4. Kerala University Topper – B.Tech Mechanical (Production) Engineering (2018).

5. Merit award for excellent academic performance in B.Tech.
6. Proficiency award excellent overall performance in B.Tech.