

Bio – Data

Name : **K.RAJESH BABU**

Date of Birth : **15 – 06 – 1968**

Educational Qualifications : **B.Tech (Mech), M.E (PE), (Ph.D)**

Office Address : **Associate Professor**
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Educational Qualifications:

Exam Passed	University/Board/ Institution	Year of Passing	% of Marks Secured	Class
SSC	Board of Sec. Education, Hyderabad, A.P.	1983	65.34	First
Intermediate	Board of Intermediate Education, Hyderabad, A.P.	1985	74.90	First
B.Tech (Mech. Engg.)	S.V. University, Tirupati	1989	63.40	First
M.E. (Production Engg.)	Anna University, Chennai	1992	69.00	First
Ph. D	IIT Madras, Chennai	July, 2010 (Year of Joining)	7.5 (CGPA)	Still in progress

Teaching Experience:

Position held	Employer/Place of Work	Duration	Area/Nature of Work
Lecturer/Assistant Professor/ Associate Professor	Registrar, S.V. University, Tirupati- 517 502	01 – 10 – 1992 to Till date	Teaching and Research

Research Experience:

Organization/University	Topic of Research	Period of Research	Award of Certificate	Sponsoring Authority
Centre for AI & Robotics, Bangalore	Expert System based Robot Design	01 – 01 – 1999 to 30 – 06 – 1999	Training Work Certificate	A.P. State Council of Science and Technology, Hyderabad.
Tohoku University, Sendai, Japan.	Stiffness Evaluation of H4 Parallel Robot	01 – 10 – 2001 to 30 – 12 – 2004	Japanese Language Certificate and Research Work Certificate	Japanese Government Scholarship Plan- 2001
University of Cassino, Cassino, Italy.	Development of Stiffness Model for Parallel Manipulators by Screw Theory	05 – 11 – 2007 to 01 – 12 – 2007	Research Work Certificate	Under TEQIP grants, the World Bank funding Project

Awards: Awarded with “**Young Scientist Fellow**” by A.P. State Council of Science and Technology, Hyderabad, India in 1999.

Publications in International Conferences:

- 1 **Rajesh Babu, K. and Samuel, G.L.** “Undamped forced vibration analysis of a micro end mill cutter by mode superposition method”, *International Conference on Precision, Meso, Micro and Nano Engineering, (COPEN9), 10th – 12th, December, 2015, IIT Bombay, Mumbai.*
- 2 **Rajesh Babu, K. and Samuel, G.L.** “Experimental modal analysis (EMA) of a spindle bracket of a Miniaturized Machine Tool (MMT)”, *5th International & 26th All India Manufacturing Technology, Design and Research Conference (AIMTDR 2014) December 12th – 14th 2014, IIT Guwahati, pp 806 – 1 – 806 – 6.*
- 3 **Rajesh Babu, K. and Samuel, G. L.**, “Evaluation of static stiffness of micro end mill cutter by analytical approach utilizing the equivalent diameter concept”, *International Colloquium on Materials, Manufacturing and Metrology (ICMMM), 8th – 9th, August, 2014, IIT Madras, pp. 279 – 282.*
- 4 **Rajesh Babu, K. and Samuel, G. L.**, “ Modal analysis of micro end mill cutter by analytical and numerical methods”, *International Conference on Precision, Meso, Micro and Nano Engineering, (COPEN8), 13th – 15th, December, 2013, NIT, Calicut, Vol. II, pp. 547 – 552.*

Publications in Journals:

- 1 **Rajesh Babu, K. and G. L. Samuel.**, “ Dynamic response of a micro end mill cutter by mode superposition method and study of damping effect on its dynamic performance”, *International Journal of Precision Technology, Vol. 4, Nos.3/4, 2014, pp. 212 – 229.*

Declaration:

I hereby declare that all the above information is true and correct to the best of my knowledge and belief.

(K. RAJESH BABU)