

BIO--DATA

DESIGNATION **PROFESSOR**

IN THE DEPARTMENT OF **MECHANICAL ENGINEERING**



1. Name : **SURESH BABU KARANAM**
2. Date of Birth, Age and Place of Birth: : 12-06-1965, 57 Y & CHINTAGUPALLE
3. Address for Communication : FLAT NO:302, SRI SURYA TOWERS, A.S.R. NAGAR
BHIMAVARAM – 534202, ANDHRA PRADESH
4. Permanent Address : -DO-
5. Mobile No : 9849657026
5. Email-ID : ksbabu2006@gmail.com
6. Educational Qualifications

Qualification	University/Board	Name of the College	Specialization	Year of Passing	Division/Class	% of Marks
X Class	SSC	B.B.H. Jr. COLLEGE, VETAPALEM	--	1980	SECOND	52
Intermediate	BOARD OF INTERMEDIATE	V.R.S & Y.R.N COLLEGE, CHIRALA	M.P.C.	1982	FIRST	69.5
UG	NAGARJUNA	BAPATLA ENGINEERING COLLEGE, BAPATLA	MECHANICAL ENGINEERING	1986	FIRST	65
PG	BHARATIAR	P.S.G.COLLEGE OF TECHNOLOGY, COIMBATORE	MACHINE TOOL ENGINEERING	1990	FIRST	69.5
Ph. D	ANDHRA	A.U. COLLEGE OF ENGINEERING	MANUFACTURING	2012	--	--
Others	--	--	--	--	--	--

7. Project/Thesis: UG: Design of Machine Tool Gear Box

PG: Optimum Design of Articulated Robot Link Cross Sections Using
Parametric Design Approach and Finite Analysis

PhD: Development of a Data Interpreter to Convert STEP-NC file into XML
Format for e-Manufacturing

8. Teaching /Industry Experience:

S No	Designation	Organization	Period		Total Exp. Years and Months	Nature of Employment	Type of service Govt. Aided/ Un Aided/ Private/ recognized
			From	To			
1	Lecturer	SRKR Engineering college	14-09-1990	31-10-1996	6 Years 2 Months	Permanent	Private
2	Lecturer (Sr. Scale)	SRKR Engineering college	01-11-1996	31-03-2001	4 Years 5 Months	Permanent	Private
3	Asst. Prof. (Selection Gr.)	SRKR Engineering college	01-04-2001	31-08-2006	5 Years 5 Months	Permanent	Private
4	Assoc. Prof.	SRKR Engineering college	01-09-2006	30-09-2012	6 Years 1 Month	Permanent	Private
5	Professor	SRKR Engineering college	01-10-2012	till date	4 Years 10 Months	Permanent	Private

9. Total Experience: Teaching_____31 years

10. Research Experience:

(a) Research Papers Published in Journals

S No	Author (s) Name	Title of the Research Paper	National/International	Year of Publication	Name of the Journal	Vol.	Issue No	Pages (PP)
1.	K. Suresh Babu, Dr. D. Nageswara Rao, Dr.A.Balakrishna, Ch. Someswara Rao	Development of A Manufacturing Database System for Step-Nc Data from Express Entities	International	2010	International Journal of Engineering Science and Technology	2	11	6819-6827
2.	Dr.K.Suresh Babu, Dr.K.Brahma Raju, CVSRK Raju	Development of a web based STEP-NC data model	National	2012	Manufacturing technology and management	6	4	16-20
3.	Dr.K.Suresh Babu, Dr.K.Brahma Raju,	Development of a data model for STEP-compliant CNC system for turning	National	2013	Manufacturing technology and management	3	1	31-36
4.	Dr. K. Suresh Babu, Dr.D. Nageswara Rao, Dr.A.Balakrishna, Ch. Someswara Rao	Development of A Data Interpreter to Convert STEP-NC file into XML format	International	2016, Communicated	International Journal of Concurrent Engineering: Research and Applications.			

(b) Research Papers Published in Conferences

S No	Author (s) Name	Title of the Research Paper	National/International	Year of Publication	Name of the Conference	Pages (PP)
1.	K. Suresh Babu, P. Satyanarayana P. Radhakrishnan	Design Optimization of Articulated Robots for Improved Dynamic Performance	National	1990	Advanced Remote Handling Systems and Automation in Nuclear Installations, BARC, Bombay.	62-70
2.	K. Suresh Babu, G.V. Raju	Optimum design of articulated robots using composite materials	National	1994	9 th ISME Conference, University of Roorkee	413-415
3.	K.SureshBabu, Bh.V.S.R.K Raju	Utilization wood and City Waste in Process Industry	National	1994	Energy Conservation and application of Non-Conventional Sources of Energy for Industries, A.U. Visakhapatnam	46-49
4.	K.Suresh Babu, PSS Srinivas	Concurrent Engineering in Manufacturing – A State of Art	National	1996	AISCOCARIEF, SV College of Engineering, Tirupati	72-76
5.	K.Suresh Babu, K.Brahma Raju	Stress Intensification of Fillet Welded T-Joint with Weld Discontinuities Using Finite Element Analysis	National	2003	13 th ISME Conference, University of Roorkee	90-94
6.	K.Suresh Babu, G.C. Raju	Knowledge Based System for Machining Parameters	National	2004	NCDCM, Manipal Institute of Technology Manipal.	491-494
7	K.SureshBabu, N.V.Subba Raju	The material selection for typical wind turbine blades using a MADM approach and analysis of blades	International	2006	18 th International Conference on Multiple Criteria Decision making, Chania, Greece.	
8	K.Suresh Babu, Ch.Someswara Rao	Implementation of Interactive Database System for STEP-Geometric Data from Express Entities	International	2010	3 rd IEEE International Conference on Computer Science and Information Technology, Vol. 3, China.	285-289

(c) Workshops/STTP Attended

S No	Name of the workshop/ STTP	Place	Period	
			From	To
1	Pumps and Valves Selection for Optimization	MNREC, Allahabad	27-12-1993	08-01-1994
2	Computer Numerical Control & Computer Aided Manufacturing	AUCE, Vishakhapatnam	26-12-1994	07-01-1995
3	Quality Control & Reliability Engineering in Y@K+	SVCE, Tirupati	27-12-1999	08-01-2000

(d) Workshops Conducted : --

“Recent trends in Mechanical Engineering” on 31st August, 2015 at SRKR Engineering College, Bhimavaram.

(e) Details of Research Projects

S No	Title of the Project	Amount Sanctioned	Issued Authority	Status	Year of Sanction
1.	All Terrain Autonomous Fire –fighting Robot	Rs. 30000/-	The Institute of Engineers	Completed	2011

11. Strengths: Positive Thinking, Hard work and Adaptability

12. Other Details if any:

Additional duties along with academic work.

1. Worked as Time-Table In-charge in both Mechanical and MPIE departments.
2. Worked as Training & Placement officer from 01-08-2006 to 31-08-2012.
3. Acted as a Member of the Technical Advisory Committee for **Proto Lab** of NDRF.
4. Acted as a Chairman of Technical Advisory panel for PMI Toolings Private Ltd, Hyd.
5. Presently working as Professor In-charge for Training & Placement cell, since 01.-09.-2012.
6. Acting as Dean, Faculty & External Affairs, since 04-01-2017.
7. Acting as a Member of the results review committee.
8. Acting as Paper setter for some Autonomous institutions and Deemed Universities.

13. Personal Details:

- (a) Name of the Father : Butchaiah
(b) Name of the Mother : Subbayamma
(c) Gender : Male
(d) Marital Status : Married
(e) Nationality : Indian

Date: 21-03-2022
Place: Bhimavaram

Signature of the Candidate