



Dr. Sambhu Prasad Surapaneni, B.E.,M.E., Ph.D , MBA

Principal of Nadimpalli Satyanarayana Raju Institute of Technology(NSRIT)

(Autonomous) and Professor of Mechanical Engineering.

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Curriculum Vitae

Career Objectives:

- To cater to the academic needs of students and to help and shape their future towards success in the current competitive scenario.
- To encourage and motivate the students for skill-oriented learning, innovations, start ups and entrepreneurship.
- To execute the responsibilities of the job assigned with dedication and determination to occupy the elevated posts in administration in educational sector.

I. Education

Ph. D	Andhra University, Visakhapatnam (Part-time) Dept. of Mechanical Engineering Specialization: Industrial Engineering	-----	Received on 7.6.2007
M.E	Andhra University, Visakhapatnam Dept. of Mechanical Engineering Specialization: Industrial Engineering	74.7% 1 st Rank	1994
B.E	Andhra University, Visakhapatnam Dept. of Mechanical Engineering Specialization: Mechanical (Marine as an elective)	75.75% (Gold Medal)	1992
XII class	Sainik School Korukonda, Vizianagaram Specialization: Maths, Biology, Physics, Chemistry (M.Bi.P.C.)	75.8%	1988
X class	Sainik School Korukonda, Vizianagaram	81.4%	1986
Additional Qualification			
MBA	Sambalpur University (Distance Education) Specialization: HR & Finance	73.25%	2012

II. Experience: (17 years Administrative experience, 15 years Research Experience and total 30 years Teaching experience)

S.No	Institute	Duration		Position
		From	To	
1.	Nadimpalli Satyanarayana Raju Institute of Technology (Autonomous) Sontyam, Pendurthi- Anandapuram Highway, Visakhapatnam – 531173, A.P	27/08/2023	Till date	Principal & Professor of Mechanical Engineering
2.	Pragati Engineering College (Autonomous) 1-378, ADB Road, Surampalem, near Peddapuram, Kakinada Dt. A.P.	09/10/2021	25/08/2023	Director & Professor of Mechanical Engineering
		26/04/2012	08/10/2021	Principal & Professor of Mechanical Engineering
3.	Roland Institute of Technology Berhampur, Odisha	04/05/2009	25/04/2012	Principal & Professor of Mechanical Engineering
4.	IACR Engineering College Rayagada, Odisha	10/08/2007	02/05/2009	Principal & Professor of Mechanical Engineering
5.	Raghu Engineering College Visakhapatnam, Andhra Pradesh	06/06/2006	09/08/2007	Dean of Academic Affairs
		29/08/2005	05/06/2006	Principal
		25/06/2003	09/08/2007	Professor of Mechanical Engineering
6.	Gandhi Institute of Technology and Management (GITAM) Visakhapatnam, Andhra Pradesh	25/09/2002	25/06/2003	Associate Professor
		24/10/1992	24/09/2002	Assistant Professor

III. Experience in institution building

- As the Director of Pragati Engineering College, giving guidance to the Principal and other office bearers in official matters. The other responsibilities are
 - Strengthening Innovations, Startups and Entrepreneurship.
 - Strengthening Industry Connect.
 - To look after the accreditation related works with regard to NAAC, NBA, NIRF, ARIIA & IIC.
 - Implementation of various AICTE Initiatives.
 - Career Counselling to the students to motivate them to develop skills needed to get jobs with higher salary packages and focus for higher studies and various competitive examinations for getting Government jobs.
 - To motivate the students to enroll as members of different professional/co-curricular/ Extra Curricular student clubs.
 - Focusing on enhancement of communication skills of the students.
- As the Principal of Pragati Engineering College (Autonomous), Kakinada succeeded in getting following achievements with good team work.
 - 5 UG programmes i.e EEE,ME,ECE,CSE and IT received NBA Accreditation for a period of 3 years i.e from 1st July 2021 to 30th June 2024.
 - ECE, CSE & Mechanical Engineering departments for the academic years 2018-2019&2019-2020 and EEE department for the academic years 2019-2020&2020-2021 are recognized as Research Centers by JNTUK, Kakinada.
 - The College was accredited with 'A' grade by NAAC in 2015.
 - The College was conferred with Fresh Autonomous status by UGC in 2016.

- The College is having Permanent Affiliation from JNTUK, Kakinada.
 - The annual intake increased from 600 to 780 in 2013-14, 780 to 900 in 2014-15, 900 to 1020 in 2015-16 and 1020 to 1080 in 2021-22. The Student strength enhanced from 1800 (in 2012) to 4400 (in 2017).
 - Industry-Institution Interaction is enhanced through MOUs with TCS, Mission R&D, HYDSPIN, CII, APSSDC, CODE TANTRA, INTERNSHALA, E&ICT Academy-NIT Warangal, SAK ROBOTICS, Deloitte, Innovation hub, Dassault-Systems.
- In Roland Institute of Technology and IACR Engineering College
 - As Principal, motivated the senior team and brought positive change in the attitude of students and peer groups, nurtured and encouraged team spirit, enhanced the teaching-learning process through meticulous planning and coordination, improved student attendance, discipline in the campus, participation in co-curricular and extracurricular activities, industrial training etc., and developed a sense of belongingness among students which further motivated them to perform better.
 - In Raghu Engineering College
 - As Principal, I succeeded in leading the team to work efficiently with utmost responsibility and handled the incidental and unforeseen issues with ownership and involvement as a good crisis manager.
 - As Dean of academic affairs, played key role in the establishment of new courses and new institutions.
 - As Professor, I carried out various activities like conducting of university examinations, internal examinations, coordinating Training & Placement activities, organizing industrial training to students, establishing new laboratories and managing the major events line annual day etc.

IV. Awards Received

- **Gold Medal in B.E. R.L.Lazaru's prize for first rank in B.E, Andhra University.**
- **First Rank in M.E.**
- **National Award for best article** published in Industrial Engineering Journal.
- All Round championship in XII class.
- Certificate of Merit for standing **FIRST** in the order of merit in 2nd Language Telugu in IX class during 1984-85.
- Certificate of merit for standing **SECOND** in the order of merit in Academics in VI class during 1981-82.

V. Recognition

- **Member Secretary**, Governing Body, Pragati Engineering College (Autonomous), Surampalem from 26th April 2012 to 8th October 2021 and Member of Governing Body from 9th October 2021.
- **Chairman, Academic Council**, Pragati Engineering College (Autonomous), Surampalem from 26th July 2016 to 8th October 2021 and Member of Academic Council from 29th October 2021.
- **Member Board of Studies** of Mechanical Engineering Department in Pragati Engineering College (Autonomous), Surampalem; Vignan Institute of Information Technology (Autonomous), Visakhapatnam; Raghu Engineering College (Autonomous), Visakhapatnam and Vasireddy Venkatadri Institute of Technology (Autonomous), Nambur (V), Peda Kakani (Md), Guntur (Dist)
- **Recognized as Research Supervisor** by Jawaharlal Nehru Technological University, Kakinada and Centurion University of Technology and Management, Parlamukundi, Odisha to guide research scholars pursuing Ph.D in Mechanical Engineering.
- Nominated as member of **"District Skill Development Committee"** of East Godavari District.
- Appointed as a member of **Technical Advisory Board** for all affiliated Journals of BEI-ESP.
- Nominated as members of **Environment Monitoring Committee** of **GVK Gautami Power Ltd.**, Samalkot, E.G.Dist.
- Referee to give assessment of the applicant's ability and suitability for the MBA program at **IIT Madras**.
- Member of manufacturing panel of **Confederation of Indian Industry (CII) – AP & Telangana for 2015-16, 2016-17, 2017-18 and 2018-19.**

- Member of **Confederation of Indian Industry (CII)** panel on **Education & Skills** for 2019-20.
- Worked as Associate NCC Officer in GITAM from 12th December, 1997 to 25th June, 2003.
- School captain during 1987-88.
- School vice-captain during 1986-87.
- Class monitor in IX class during 1984-85.

VI. Administrative Profile

i) Skill Set	<ul style="list-style-type: none"> • Effective communication skills, both oral and written. • Ability to inspire students and other stakeholders. • Ability to lead highly-qualified faculty as a cohesive unit with teamwork. • Energy and drive. • Ability to meet tight deadlines. • Participative Leadership that embraces divergent views. • Consensus building. • Cost consciousness. • Very good interpersonal skills. • Intercultural competences. • Professional appearance and presentation skills. • Academic leadership. • Problem solving capabilities. • Highly organized and efficient in time management. • Responsible and Reliable.
ii) As Principal & Dean	<ul style="list-style-type: none"> • Accountable for the overall leadership, management and development of the college within guidelines and policies. • Ensure Co-ordination, discipline and smooth working between the departments to assess work progress, requirements and problems. • Plan, Budget, submit report for the resource(s) requirement and plan for self-mobilization of resources. • Coordinate admissions and teaching and provide the necessary support needed in academic programmes through recruitment of faculty. • Monitor the academic as well as activities calendar, time table and conduct examinations of the college each semester as chief superintendent and ensure timelines are met. • Organize Research/Live Projects and training programmes for faculty and students. • Monitor Training of students for campus selection and promote placements and strengthen alumni association. • Promoting Research & Development and Consultancy and giving guidance regarding applying for projects to different funding agencies like UGC, AICTE, DST, BRNS, MOEF, etc.,
iii) As a Professor	<ul style="list-style-type: none"> • Coordinator for conduct of internal examinations. • In-charge of Training and Placement of students. • NCC in-charge. • Chief Coordinator for the major functions held in the institution like College Day celebrations etc., • Member, Discipline Committee of the College. • Member, Department Advisory Committee. • Overall In-Charge of Mechanical Engineering Laboratories • Coordinator for Industrial training to students of Mechanical Engineering
iv) As an Associate Professor	<ul style="list-style-type: none"> • Industrial Engineering Laboratory in-charge (1997 – 2003). • Prepared teaching materials and laboratory manuals.

<ul style="list-style-type: none"> • Acted as Student's Counselor and guided the students in academic matters. • Member of Mechanical Engineering Department Advisory Committee during 2002-2003. 			
v) As an Assistant Professor at Institution Level			
Responsibility	From	To	Committee / Activity
Officer incharge – Examination Cell	10.3.2001	25.6.2003	Conduction of all external examinations.
Member invitation committee for the Annual Day of College	1998-1999	2000-2001	Inviting delegates for the event
Associate NCC Officer	25.09.2002	25.06.2003	Looking after the NCC related works
vi) As an Assistant Professor at Department Level			
Responsibility	From	To	Committee / Activity
Coordinator	2000-2001	2002-2003	IV year B.E. students projects Monitoring
Coordinator	2000-2001	2002-2003	Collection of information regarding Performance of B.E. final year Mechanical and MPIE students in GRE, TOEFL, GATE, CAT, etc.
Coordinator	2000-2001	2002-2003	Collection of information regarding Presentation of papers in various Seminars by students.
Incharge	Dec. -97	Sept. -02	Associate NCC officer.
Coordinator	2000-2001	2000-2001	Organizing Local industrial tours to III/IV B.E students of Mechanical and MPIE.
Coordinator	1998-1999	2001-2002	Stage arrangements, Cultural activities, Invitations, preparation of Department Annual report for MECH – DAY Celebration.
Assistant Coordinator	1995-1996	1995-1996	Committee for conducting Mid Examinations to B.E. II, III & IV Year Mechanical and MPIE students.
Member	1999-2000	1999-2000	Department cultural and Literary Activities committee.
Member	1999-2000	1999-2000	Department association committee
Member	1999-2000	1999-2000	Internal Examiners (A.U. Lab / Work Shop Exam) committee
Member	1999-2000	1999-2000	Project monitoring committee
Member	1998-1999	1998-1999	Departmental Committee constituted to Prepare proposals for NBA (National Board of Accreditation).
Member	1998-1999	1998-1999	Departmental Committee constituted to Prepare proposals for MODROBS (Modernization and Removal of Obsolescence) in Thermal Engineering Laboratories.
Member	1997-1998	1997-1998	Prizes purchasing and distribution committee for MECH – DAY Celebration.
Member	1996-1997	1996-1997	Timetables and class work adjustment / sliding committee.
Member	1996-1997	1996-1997	Industrial Engineering Laboratory Development committee.
Member	1995-1996	1995-1996	Departmental committee constituted to Identify Semi-consumable items in workshops which are worn out / unserviceable and can be written off

VII. Research Profile

i) Areas of Research Interest							
<ul style="list-style-type: none"> • Composite Materials • Optimization 							
ii) Projects Undertaken							
S. No.	Name of the Project	Name of the Consultancy	Role	Sanction Letter	Amount	Period	Present Status
1.	MODROBS (Modernization of manufacturing Technology laboratory)	AICTE	Principal Investigator	Letter No.9-149/RIFD/M ODROB/Policy-1/2013-14 (Pvt.)	12,25,000/-	2013-14	Completed
2.	“Spatial Distribution of Uranium and Associated Water Quality Parameters in Ground Water / Drinking Water of four districts (Srikakulam, Vizianagarm, Visakhapatnam and East Godavari) of Andhra Pradesh Districts and Yanam (UT of Puducherry)”	Board of Research in Nuclear Sciences (BRNS)	Co-investigator	Sanction No.36(4)/16 /20/2015-BRNS, Dt.28/3/2016	26,94,300/-	2016-18	Completed
3.	Socio- economic upliftment of SC communities through Cultivation and Sustainable utilization of Azolla and Microalgae Biomass as Cattle and Fish feed	DST-STI Hub	Co-investigator	DST/SEED/S CSP/STI/202 0/429 dated 14.02.2022	82,51,132/-	2021-24	Sanctioned
iii) Research Guidance							
Ph.D							
S.No.	Thesis Title				Name of the Research Scholar & Roll No.		Remarks
1	Fabrication of Al 4032 composites with Silicon Reinforcements for Study of Mechanical, Corrosive and Tribological Behaviour				G Avinash Roll No. 15022P0302 JNTUK, Kakinada		Awarded on 7 th May 2022.

M.Tech					
S.No.	Thesis Title			Name of the PG Student & Roll No.	Submitted during
1	A Study of FRP Composite Properties and Comparison of Properties to Analyze Fatigue Strength and Fracture.			Ch. Vijaya Krishna Rao Roll No. 19A31D0401	2020-21
2	Simulation Analysis on Femur Bone Along with Fracture Fixation Plates			V Sushma Revathi Roll No. 16A31D0402	2017-18
3	Synthesis and Characterization of Aluminum (4032) Metal and Nano-SiO ₂ Composites for Evaluating Their Mechanical Properties.			Y. Koteswara Rao, Roll No.15A31D0404	2017-18
4	A Numerical Study on Thermal Behaviour of Cylindrical Shell Made with Functionally Graded Materials.			Y. Dilip Kumar, Roll No.14A31D0406	2017-18
5	Modelling and Analysis of Nozzle Local Load of Spherical Pressure Vessel Subjected to Internal Pressure			Pinninti Venkata Raviram Roll No.13A31D0406	2014-15
6	Structural Analysis of Ethane Storage Sphere for Design Pressure Along with Seismic Loads.			Tellam Chandraiah, Roll No.13A31D0407	2014-15
7	Structural and Modal Analysis of a Spur Gear for Different Materials by Varying the Gear Ratios.			Aravinda Karri Roll No.12A31D0401	2013-14
8	Life Span Improvement of Aircraft’s Wing Box through Displacement, Stress and Vibration Analysis.			Deep Rani Katta Roll No.12A31D0402	2013-14
iv) Patents Published					
S.No.	Reference no.	Date of filing	Title	Present Status	Remarks (If any)
1	202041041702	09-10-2020	Block Chain for 5G-Enabled IOT for Industrial Automation	09-10-2020 Published	Through Intellectual Property – India
2	202041056516	27-12-2020	Intelligent system designing for optimization fuel utilization through enhancing efficiency of power plant	Published 01-07-2022	Through NRDC
3	202041056517	27-12-2020	Machine learning based plant disease identification and treatment	Published 01-07-2022	Through NRDC
v) Articles Reviewed					
S.No.	Name of the Conference/Journal			Publisher	Type of Index
1	Evolutionary Intelligence Journal			Springer Publications	SCOPUS
2	IEEE International Conference on Computing, Communication and Power Technology (IC3P 2022)			Springer Publications	SCOPUS
3	International Conference on Micro- Electronics, Electromagnetics, and Telecommunications (ICMEET-2021)			Springer Publications	SCOPUS
4	First Annual International Conference on Transformations in Engineering Education (ICTIEE 2014) co-organized by IUCEE			-----	-----
vi. Publications					
a) International Journals					
S. No	Details of Publication				
1.	Article under review “CPTF - A New Heuristic based Branch and Bound Strategy for Scheduling Workflows in Heterogeneous Computing Systems”, to <i>Parallel Computing (Elsevier Journal)</i> .				
2.	Article under review for “Crowd Count Detection using Computer Vision and Convolutional Neural Network”, 2 nd International Conference on Machine Learning and Big Data Analytics (ICMLBDA) 2023,				

	proceedings to be published in <i>Springer, LNCS</i> .
3.	D Sirisha, S Sambhu Prasad, “MPEFT: A Makespan Minimizing Heuristic Scheduling Algorithm for Workflows in Heterogeneous Computing Systems”, CCF Transactions on High Performance Computing. Aug. 2022. DOI: 10.1007/s42514-022-00116-w
4.	Sirisha D., Prasad S.S. – “ A Relativistic Study on Recent Clustering Algorithms ” - In: Satapathy S.C., Bhateja V., Ramakrishna Murty M., GiaNhu N., JayasriKotti (eds) Communication Software and Networks, Lecture Notes in Networks and Systems, Springer, Singapore.- Volume No.134, 2021. (SCOPUS)
5.	Avinash Gudimetla, D Lingaraju, S Sambhu Prasad – “ Effect of SiHGM reinforcements on the corrosion rate of Al 4032 MMC ” - Materials today PROCEEDINGS –Article in Press. Available online – 2021. (SCOPUS)
6.	Satish Geeri, Sambhu Prasad Surapaneni, Jithendra Sai Raja Chada, Akhil Yuvaraj Manda – “ Studies based on CFD behaviour of aerofoil and regression analysis ” - Engineering Science & Technology ISSN:2717-5235(Print) 2717-5243(Online) – Volume No.3, Issue No.1, Page Nos. 55-68, 2021
7.	Avinash Gudimetla, D Lingaraju, S Sambhu Prasad – “ Modelling and optimization of wear parameters of Al 4032 reinforced with coal ash using Taguchi and RSM approach. ” - Composite Theory and Practice – Volume No.21, Issue Nos.1-2, Page Nos. 3-11, 2021. (ESCI/SCIE)
8.	Avinash Gudimetla, D Lingaraju, S Sambhu Prasad – “ Investigation on mechanical and tribological behavior of Al 4032-SiHGM MMC ” - Composites Theory and Practice – Volume No.20, Issue No. 3-4, Page Nos. 142-156, April, 2021. (ESCI/SCIE)
9.	Avinash G, S.Sambhu Prasad, D.Lingaraju - “ Influence of RHA reinforcements on mechanical and wear behavior of Al 4032 composites ” Emerging Materials Research – Volume No.9, Issue No.4, Page Nos.1237-1249, Dec, 2020. (ESCI/SCIE)
10.	Sirisha D., Prasad S.S. – “ Toward Ameliorating K-Means Clustering Algorithm ” - In: Das H., Pattnaik P., Rautaray S., Li KC. (eds) Progress in Computing, Analytics and Networking. Advances in Intelligent Systems and Computing, Springer, Volume No.1119, 2020. (SCOPUS)
11.	S.Sambhu Prasad, Subodh Panda, D.Sirisha – “ System Designing on Smart Operation for Predictive Maintenance ” - TEST Engineering & Management – Volume No.8, ISSN-0193-4120. Page Nos.498-500, July, 2020. (SCOPUS)
12.	Akhil Yuvaraj.M, Jithendra Sai Raja.Ch, S.Sambhu Prasad, G.Satish - “ Flow behavior on aerofoil’s using CFD ” - JVE Journals, Journal of Mechanical Engineering, Automation and Control Systems – VolumeNo.1, Issue No. 1 e-ISSN 2669-1361, Page Nos. 26-36, Jun 2022.
13.	G.Satish, S.Sambhu Prasad, V.V.S. Prasad - “ Experimental Studies on Mechanical Properties of Polymer Based Composites ” i-manager’s Journal of Mechanical Engineering – Volume No.8, Issue No. 4 e-ISSN 2249-0744, p-ISSN 2230-9055, Page Nos.1-7, Aug-Oct, 2018
14.	V Sushma Revathi, S.Sambhu Prasad, B Anusha Srikanta – “ Simulation Analysis on Femur Bone Along with Fracture Fixation Plates ” - International Journal of Technical Innovation in Modern Engineering & Science (IJTIMES) – Volume No.4, Issue No. 6 e-ISSN 2455-2585, Page Nos.408-416, June, 2018.
15.	Yalla Dilip Kumar, S.Sambhu Prasad, G.Avinash – “ A Numerical Study on Thermal Behaviour of Cylindrical Shell made with Functionally Graded Materials ” - International Journal of Technical Innovation in Modern Engineering & Science (IJTIMES) – Volume No.4, Issue No. 6 e-ISSN 2455-2585, Page Nos.166-178, June, 2018.
16.	S.Sambhu Prasad, G.Avinash – “ Design and Experimental Investigation on Tensile Strength Properties Using Different Forms of Layers for Epoxy Materials ” - International Journal of Research (IJR) – VolumeNo.5, Issue No. 15 e-ISSN 2348-6848, p-ISSN 2348-795X, Page Nos.765-776, May 2018.
17.	G.Avinash, S.Sambhu Prasad – “ Investigation on the Effect of Corrosion on Mechanical Properties of Al 6061 & Al 7075 ” - International Journal of Research (IJR) – VolumeNo.5, Issue No. 15 e-ISSN 2348-6848, p-ISSN 2348-795X, Page Nos.777-786, May 2018.
18.	Y.Koteswara Rao, S.Sambhu Prasad, G.Avinash, P V S Machiraju – “ Synthesis and Characterization of Aluminum (4032) Metal and Nano SiO2 Composites for Evaluating their Mechanical Properties ” - International Journal of Technical Innovation in Modern Engineering & Science (IJTIMES) – Volume No.4, Issue No. 5 e-ISSN 2455-2585, Page Nos.801-808, May 2018.
19.	S.Sambhu Prasad, G.Panduranga – “ Stress and Displacement Analysis of Rectangular Stainless Steel Plate with Elliptical Cut-out of Different Orientation ” - International Journal of Engineering and General Science - Volume No.1, Issue No. 1 ISSN 2091-2730, Aug, 2015.
20.	S.Sambhu Prasad, G.Satish, G.Panduranga – “ Comparison of Flow Analysis through Sudden Contraction and Enlargement of Pipes by Providing Smooth Corners ” - International Journal of Engineering Trends and Technology (IJETT), Volume No.25, Issue No. 4 e-ISSN 2231-5381, p-ISSN 2349-0918 – Page Nos.205-211, July 2015.

21.	Deep Rani. K, S.Sambhu Prasad , D.J.Johnson – “ Life Span Improvement of Aircraft’s Wing Box through Displacement, Stress and Vibration Analysis ” - International Journal of Advanced and Innovation Research (IJAIR), Volume 3, Issue No. 12 ISSN 2278-7844, Dec 2014.
22.	Aravinda Karri, S.Sambhu Prasad , S.Swetha Radha – “ Structural and Modal Analysis of a Spur Gear for Different Materials by varying the Gear Ratios ” - International Journal of Mechanical Engineering and Computer Applications, Vol. No.2, Issue No. 6 ISSN 2320-6349, Page Nos.205-212, Nov-Dec 2014.
23.	G.Avinash, S.Sambhu Prasad – “ Optimum Material Evaluation of Fan Blades using Reverse Engineering Approach ” - International Journal of Engineering Science Invention (IJESI) – Issue No. e-ISSN 2319-6734 p-ISSN 2319-6726, Page Nos.78-84, 2013.
b) National Journals	
S. No	Details of Publication
1.	S.Sambhu Prasad , Chandraiah Tellam – “ Structural Analysis of Large Ethane Storage Sphere for Design Pressure and Seismic Loads ” - The IUP Journal of Mechanical Engineering – Vol. No.8, Issue No.4, Page Nos.54-62, Feb-2016.
2.	S.Sambhu Prasad , Venkata Ravi Ram Pinninti – “ Modelling and Analysis of Nozzle Local Load of Spherical Pressure Vessel Subjected to Internal Pressure ” - The IUP Journal of Mechanical Engineering - Vol. No.8, Issue No.4, Page Nos.27-42, Nov-2015.
3.	VVS Prasad, S.Sambhu Prasad , G Satish – “ Evaluation of Mechanical and Electrical Properties of GPG Hybrid Laminates ” - Journal of Material Science and Mechanical Engineering (JMSME), Vol. No.2, Issue No.5, Page Nos.476-478, April-June-2015.
4.	S.Sambhu Prasad , M.Lakshmi Chaitanya, Ch.Vasantha Lakshmi – “ Simultaneous Optimization of Laser Cutting Parameters with Multiple Performance Characteristics of AI7075/SiCp Composite ” - Journal of Material Science and Mechanical Engineering (JMSME), Vol. No.2, Issue No.4, Page Nos.283-287, April-June-2015.
5.	S.Sambhu Prasad , B.Satyam, K.V.V.Chandra Mouli – “ Implementation of BPR to Welding process in a Jobbing Industry – A Case Study ” - Industrial Engineering Journal, Vol. No.32, Issue No.6, Page Nos.26-31, June, 2003.
6.	K.V.V.Chandra Mouli, D.Nageswara Rao, S.Sambhu Prasad – “ Design of Production Plan Policy by using Fuzzy out Ranking Technique for a Pison Manufacturing Company ” - Industrial Engineering Journal, Vol. No.32, Issue No.2, Page Nos.19-22, February, 2003.
7.	S. Sambhu Prasad , G. Lohita, G. Udayavalli – “ The ERP Implementation Process – Some of the Hurdles Encountered ” - Industrial Engineering Journal, Vol. No.32, Issue No.1, Page Nos.21-24, January, 2003.
8.	Durga Prasad Rao, Prof B.Satyam, S.Sambhu Prasad – “ Optimization of Product mix in a Paper Mill – A case study ” - Industrial Engineering Journal, Vol. No.26, Issue No.9, Page Nos.2-7, Sept., 1997.
9.	Yakub A.S., S.Sambhu Prasad , Prof B.Satyam – “ Modernization of Library Circulation Department through CMIS – A Case Study ” Industrial Engineering (Received National Award), Vol. No.26, Issue No.2, Page Nos.12-19 YOP, February, 1997.
10.	D.Satyanarayana, S.Sambhu Prasad , Prof B.Satyam – “ A Study on Diesel and Lube oil Conservation in Border Roads Organization on National Highway ” - Industrial Engineering Journal, Vol. No.25, Issue No.5, Page Nos.21-28, May, 1996.
c) National / International Conferences	
S.No	Details of Publication
1.	S.Sambhu Prasad , Subodh Panda, D.Sirisha – “ An Intelligent Soot Blowing Design for Modernization of Thermal Power Plant ” - In the proceedings of International E-Conference on Cutting Edge Technologies in Electrical, Communication, Embedded System and Soft Computing Techniques (ICECES’20) - Organized by Department of EEE and ECE, Saranathan College of Engineering, Tiruchirapalli from 5 th - 6 th Nov. 2020.
2.	S.Sambhu Prasad - “ Optimization of Wear Parameters of AI 4032 – RHA composite using RSM approach ” - Advances in Modeling Manufacturing and Materials Engineering - Organized by Department of Mechanical Engineering, Vignan Institute of Technology, Vizag. from 30 th - 31 st Oct. 2020
3.	S.Sambhu Prasad – “ Soft Computing Based Modeling on Intelligent Control ” - AICTE Sponsored Conference (NCSMSD-2020) Organized by Bapatla Engineering College, Bapatla from 24 th - 28 th Aug. 2020
4.	S.Sambhu Prasad – “ System Designing on Smart Operation for Predictive Maintenance ” - ETMDR-2020 – Organized by Poornima University, Jaipur from 23 rd - 25 th July 2020

5.	M.Khirod Kumar, Hareesh, P.Vamsikrishna, S.Sambhu Prasad – “ FEM Modeling of Coated Tools to Study the Influence of Coating Thickness ” - 1 st International Conference on Applied Mechanical Engineering Research (ICAMER2019) – Organized by Department of Mechanical Engineering, NIT Warangal from 2 nd - 4 th May 2019
6.	G.Avinash,, S.Sambhu Prasad , D.Linga Raju – “ Tribological studies of aluminum metal matrix composites with micro reinforcements of silicon and silicon balloons ” - International Conference on Advances in Materials and Manufacturing Engineering (ICAMME-2018) – Organized by Department of Mechanical Engineering, University College of Engineering & Technology, Acharya Nagarjuna University, Guntur from 22 nd to 24 th Jan., 2018
7.	G.Avinash,, S.Sambhu Prasad , D.Linga Raju – “ A Review on various methods of Fabricating Aluminum Metal Matrix Composites and the effect of Manufacturing Methods on some of their properties ” - National Conference on “Technological Advancements in Mechanical Engineering” (Sponsored by TEQIP-II) – Organized by Department of Mechanical Engineering, JNTUK, Kakinada Accepted for Publication from 22 nd - 23 rd July, 2016
8.	Dr.P.V.S.Machiraju, Dr.S.Sambhu Prasad – “Quality Research for Academic Excellence” - Proceedings of NAAC Sponsored National Seminar on “IQACs and Higher Education Institutions: The Required Benchmarks for Quality Sustenance and Quality Enhancement” – Organized by A.S.D.Govt. Degree College (W) Kakinada, A.P. from 18 th Dec., 2014
9.	G.Avinash, S.Sambhu Prasad – “ Optimum Material Evaluation of Fan Blades using Reverse Engineering Approach ” - National Conference on “Advances in Modelling and Analysis of Aerodynamic Systems” (AMAAS- 2013) – Organized by NIT, Rourkela from 1 st – 2 nd March, 2013
10.	C.V.Gopinadh, S.Sambhu Prasad – “Computer Integrated Manufacturing (CIM) in Technology Optimization” - 44 th National Convention of Indian Institution of Industrial Engineering - Organized by IIIE on Nov, 2002

vii. Academic Profile

i) Courses Taught	
<ul style="list-style-type: none"> Industrial Engineering & Management Operations Research / Optimization Techniques Inventory Control Quality Control & Assurance Production Management Work Study 	<ul style="list-style-type: none"> Thermodynamics Thermal Engineering Theory of Machines Hydraulic Machines & Systems Mechanics of Solids Elements of Mechanical Engineering
ii) Curriculum Development	
<ul style="list-style-type: none"> As the Chairman of Academic Council of Pragati Engineering College (Autonomous) framed Academic Regulations of the college three times i.e. R16 regulations in 2016, R19 regulations in 2019 and R20 regulations in 2020. As the Principal of Pragati Engineering College (Autonomous) instrumental in framing guidelines for common BoS in designing the course structure and having balance for various types of courses such as Basic Science Courses, Engineering Courses, Humanities and Management Courses, Professional Core Courses, Professional Elective Courses, Open Elective Courses, Mandatory Audit Courses. As a BoS Member of Mechanical Engineering department of Pragati Engineering College, contributed for the development of curriculum for Mechanical Engineering Programme. As a BoS Member of Mechanical Engineering department of Vignan Institute of Information Technology, Raghu Engineering College, Vasireddy Venkatadri Institute of Technology gave suggestions for the development of curriculum of Mechanical Engineering programme Developed and reviewed content for 2 courses of Mechanical Engineering (Thermal Engineering-I, Mechanics of Solids) for Globarena, a leading Educational Enterprising Organization for an amount of Rs.1,65,000/- during 2013-14. Actively involved in the development of Thermal Engineering, Metallurgy & Instrumentation, Mechanics of Solids, Production Technology and Machine Tools Laboratories in Raghu Engineering College. 	

<ul style="list-style-type: none">Established Industrial Engineering Laboratory in GITAM Engineering College in 1997.				
iii) Examinership				
<ul style="list-style-type: none">Adjudicator for Ph.D /M.Tech Thesis.Paper setter and Member of Board of examiners to Andhra University, Sri Venkateswara University and JNTUK, Kakinada.				
iv) FDPs / Seminars / Webinars organized				
S.No.	Title	Sponsoring Agency	Period	Designation
1	Two Day National Workshop on “Evolutionary Computing Techniques: Theory & MATLAB Implementation”	Pragati Engineering College, Surampalem, Near Kakinada.	23 rd – 24 th April, 2016	Coordinator
2	Two Day Faculty Development Programme on “Applications of Manufacturing Technologies for Make in India”	Pragati Engineering College, Surampalem, Near Kakinada.	2 nd – 3 rd January 2016	Coordinator
3	A webinar on “Sustainable Manufacturing”	With the support of Confederation of Indian Industry (CII)	21 st August 2015.	Coordinator
v) Out Reach Activities				
S. No.	Title	Organized by	Delivered Talk on	
1.	Resource Person in Two week FDP on “ Contemporary Advances in Materials & Manufacturing Engineering (CAMME-2017) ”.	Dept. of Mechanical Engg., JNTU College of Engg., Kakinada	30 th Oct. 2017 to 10 th Nov. 2017.	
2.	Resource Person for “National Symposium on Recent Trends in Green Chemistry and Technology (RTGCT)” sponsored by University Grants Commission (SERO) and delivered a talk on “ Green Manufacturing ”.	Anwar Ul Uloom College (Autonomous), affiliated to Osmania University, New Mallepally, Hyderabad, Telangana.	27 th Feb. 2017	
3.	Resource Person for “Two day International Conference on Emerging Trends in Chemical, Pharmaceutical, and Environmental Sciences & Technology (ICETCPEST-2017)” delivered a talk on “ Nano Technology ”.	P. R. Government College (Autonomous), Kakinada, E.G.Dist., A.P.	25 th Jan. 2017	
4.	Resource Person for ‘One day Workshop on Materials for Advanced Technologies’ and conducted a session on “ Green Manufacturing Technologies ” for PG Students and faculty of Mechanical Engineering Department	Rajarambapu Institute of Technology, an autonomous institute, affiliated to Shivaji University, Kolhapur	10 th Sept. 2016.	
S. No.	Title	Organized by	Delivered Talk on	
5.	Resource Person and delivered a talk in one day workshop on “ Environmental Challenges and Illegal Trade in Wild Life ” organized on the occasion of World Environment Day-2016	Institution of Engineers (India), Vijayawada local center, Dr.K.L.Rao Bhavan, Governorpet, Vijayawada	6-6-2016	
6.	Chief Guest for the National Science Day	Organized by Sri Chaitanya VSL Mahila Degree & PG Kalasala, Kakinada in Association of Chemistry Teachers (ACT), Mumbai	28-2-2015	
7.	Resource Person and delivered a talk on “ Value Education ” in NSS Programme Officers Training	Organized by University Training & Orientation Centre,	8-3-2014	

	Programme.	Andhra University & JNTUK, NSS Cell in JNTUK, Kakinada.	
vi) Visiting Faculty			
S. No.	Title	Organized by	Delivered talk on
1.	Resource Person in Counseling and contact programme of 2nd year of MBA (Distance mode) programme	Andhra University, Visakhapatnam	3 rd Feb to 14 th Feb 2001.
2.	Taught quantitative techniques to post graduate students of Human Resource Management	College of Management, GITAM, Visakhapatnam	2000-2001.
3.	Taught Production and Operation Management to MBA students	Ambedkar Institute of Management Studies, Visakhapatnam	1997 – 98, 2001-2002 and 2004-2005.
4.	Taught Industrial Engineering topics to Post Graduate students of Human Resource Management	K.G.R.L.College, Bhimavaram	1999-2000, 1998- 99
5.	Taught Production and Operation Management to the Post Graduate students of Master Program in International Business.	GITAM Institute of Foreign Trade, Visakhapatnam	1998 – 99
vii) Professional and other relevant training courses attended			
S.No.	Title	Organized by	Period
1.	AICTE sponsored ATAL Online FDP on Academic Leadership & Management of Technical Education	Gurukul Kangri Viswavidyalaya, Haridwar	17 th – 21 st May 2021
2.	“Principal’s Summit-2019” on “Academic Leadership-The Keystone for Excellence in Professional Education”.	IBS (ICFAI Business School), Visakhapatnam	28 th Sept., 2019
	Faculty Development Programme on “Advancements in Manufacturing & Welding	University College of Engineering Kakinada (Autonomous), JNTUK (in Collaboration with CET Bhubaneswar, Odisha)	17 th – 22 nd June 2019
3.	Faculty Development Programme on “Advances in Materials and Manufacturing Processes (in collaboration with CET, Bhubaneswar)	Department of Mechanical Engineering, UCEK(A), JNTUK, Kakinada	29 th Oct. – 03 rd Nov. 2018
4.	Leadership and Team Management	CII, Visakhapatnam	4 th Oct., 2018
5.	Faculty Development Programme in Entrepreneurship Development	National Institute for Micro, Small and Medium Enterprises (ni-msme), (An Organization of the Ministry of MSME) Yousufguda, Hyderabad	7 th – 19 th August 2017
6.	104 th Indian Science Congress (ISC)	Sri Venkateswara University, Tirupati	3 rd – 7 th Jan. 2017.
7.	Continuing Professional Development Programme on “Formulation of Research & Development Initiatives for Scientists and Technologists”	Engineering Staff College of India (ESCI), Hyderabad	8 th – 11 th Feb., 2016
8.	National Workshop on “Advances and Applications of CFD”	Department of Mechanical Engineering, JNTUK, Kakinada	10 th - 12 th April 2014
	National workshop on “Recent Advances in Composite Materials”	Department of Mechanical Engineering, JNTUK, Kakinada	14 th - 15 th March 2014
9.	workshop on “E-Foundry: Casting Design and Simulation”	Department of Mechanical Engineering, GITAM Institute of Technology, GITAM University, Visakhapatnam.	17 th Feb., 2014
10.	Workshop on “Redesigning of Engineering Curriculum in the Context of Outcome Based Learning”	Jawaharlal Nehru Technological University, Kakinada	24 th -25 th Feb., 2013
11.	Workshop on “Outcome Based Engineering Education”	Jawaharlal Nehru Technological University, Kakinada	5 th Feb., 2013
12.	Successfully completed the L2 Workshop & Advanced Academic Leadership Workshop. Completed online course offered by DDI in	WIPRO Technologies, Bangalore	5 th - 8 th Sept. 2011

	Essentials Of Leadership through MISSION 10X organized by WIPRO		
13.	QIP short term course on “Decision Modeling in Facility Planning”	Department of Industrial Engineering and Management, IIT Kharagpur	4 th - 8 th July 2011
14.	Successfully Completed the Academic Leadership Workshop held at Administrative Staff College of India, Hyderabad	ASCI & WIPRO	28 th - 30 th March 2011
15.	“Management Development Programme on Interpersonal Skills”, for senior managers, administrators, executives and faculty members	Purushottam Institute of Technology, Rourkela	8 th - 9 th Feb. 2008
16.	QIP short term course on “Total Quality Management in Service Organizations”	Department of Industrial Engineering and Management, IIT Kharagpur	22 nd - 26 th March 2007
	Attended QIP short course on “Instructional Design and Delivery”	National Institute of Technical Teachers Training & Research, Chennai, MHRD, GOI	24 th - 29 th July 2004
17.	A.I.C.T.E sponsored workshop by Dr S.S.Rao on “Optimization Methods for Engineering Design”	Department of Mechanical Engineering, GITAM, Visakhapatnam	5 th - 10 th July 2004
18.	National Conference on “Industrial Accidents and Mitigative Measures”	Resource Mobilization Cell, Andhra University, Visakhapatnam	11 th - 12 th May 2001
19.	Workshop on “Role of Condition Monitoring in Controlling Noise Pollution”	Department of Mechanical Engineering, Andhra University, India	29 th - 30 th June 2000
	ISTE – AICTE sponsored winter school on “System Approach to Computer Integrated Manufacturing”	REC Warangal	28 th December 1998 to 8 th Jan. 1999
20.	Fifth SERC (Science & Engineering Research Council) school on “Advanced Manufacturing Technology”	IIT Delhi and sponsored by DST	2 nd - 14 th Nov. 1998
21.	Third SERC school on “Reliability and Maintainability Engineering in Manufacturing”	IIT Kharagpur and sponsored by DST	8 th - 20 th June 1998
22.	A seminar on “Productivity Challenges of 21 st Century”	R.V.R & J.C.College of Engineering, Guntur	27 th – 28 th , August 1998
23.	A National seminar on “fuzzy Technique Applications in Manufacturing and Engineering”	Department of Mechanical Engineering, Andhra University, Visakhapatnam	20 th - 21 st , March 1998
24.	A seminar on “Service Quality Management”	R.V.R & J.C. College of Engineering, Guntur	12 th Sept. 1997
25.	A Seminar on “Performance appraisal & Development systems”	I.S.T.E and college of Engineering, GITAM	May 1995
26.	A seminar on “Curriculum Development of Engineering Education”	GITAM	26 th – 27 th Feb. 1993

viii) Online events attended during COVID-19			
S. No.	Title	Organized by	Period
1.	Leadership Foundations	LinkedIn Learning.	3 rd April 2020
2.	webinar on "The 7 Habits of Highly Effective People”	Franklin Covey organization -	8 th April 2020
3.	Panel Discussion on " Global Industry Needs Indian Education 4.0	Collegedunia	8 th April 2020
4.	Inclusive Leadership	LinkedIn Learning.	19 th April 2020
5.	Panel Discussion on " How COVID19 Will Impact the Admissions 2020	Collegedunia	21 st April 2020
6.	Building A Better To- Do List	LinkedIn learning	23 rd April 2020
7.	Proven Tips for Managing Your Time	LinkedIn learning	25 th April 2020
8.	MHRD IIC session on "National Innovation and Startup Policy for Students and Faculty"	watched You Tube	28 th April 2020
9.	28/4/2020 - Panel Discussion on " COVID19 Disrupting the Ed-Tech Sector	Collegedunia	28 th April 2020
10.	Session on "Role and Importance of Pre Incubators and Incubators	MHRD IIC	29 th April 2020

11.	Managing Stress	LinkedIn Learning	29 th April 2020
12.	Session on "Hangout with Emerging Innovators cum Entrepreneurs Support "	MHRD IIC E	30 th April 2020
13.	Session on " Role of Network Enablers in driving in I&E in HEIs- A case of TiE, India	MHRD IIC E	1 st May 2020
14.	Panel Discussion on " How Institutions are Building Digital Infrastructure Amidst COVID-19"	---	2 nd May 2020
15.	Training session on optimization of PC performance	---	4 th May 2020
16.	Improving your listening Skills	LinkedIn Learning	4 th May 2020
17.	BW dialogue on Leadership	By 8 panelists	5 th May 2020
18.	Panel discussion on" Business Idea and Business Model Canvas"	MHRD IIC	5 th May 2020
19.	"How to identify Right Problem and Solution using the Double Diamond Approach in Design".	MHRD IIC	6 th May 2020
20.	BW Dialogue on Leadership	By Debarati Sen, VP, 3M Abrasives	6 th May 2020
21.	BW dialogue on Leadership	By Paul Dupuis, MD & CEO, Randstad	7 th May 2020
22.	Webinar on NBA process and Margadarshak process	By media AICTE	7 th May 2020
23.	Completed Coursera course on " AI FOR EVERYONE ".(W1- 99 min, W2- 83 min, W3- 120 min, W4).	---	15 th May 2020
24.	Entrepreneurship Development: Innovating Self - Screen and identify Right Opportunities	MHRD IIC	16 th May 2020
	Entrepreneurship Development: Understanding Role and Application of Marketing Research at Idea to Start-Up stage - Foundation level	MHRD IIC	16 th May 2020
25.	Entrepreneurship Development: Innovation Risk Diagnostic: Product Innovation Rubric (PIR)	MHRD IIC	16 th May 2020
26.	Entrepreneurship Development: Idea, Business Model and Business Plan	MHRD IIC	22 nd May 2020
27.	Entrepreneurship Development: Use of Market Data and Application of Marketing Research Tools and Methodology- Advance Level	MHRD IIC	22 nd May 2020
28.	Entrepreneurship Development: Frugal Innovation and Social Entrepreneurship	MHRD IIC	22 nd May 2020
29.	Webinar on What are " Difficult Conversations "?	Sudaksha Education Enterprise	23 rd May 2020
30.	Entrepreneurship Development: Interaction with Student Innovators and Entrepreneurs Emerged from Smart India Hackathon (SIH) -	MHRD IIC	25 th May 2020
31.	Webinar on Design Thinking- Getting Under the Hood	School of Design Thinking	
32.	Webinar on "Creative Jugalbandi"	Open Space	

viii. Professional Memberships

S.No	Organization	Membership Details
1	AICTE VIDWAN	ID:140577
2	Indian Science Congress Association (Engineering Sciences Section)	Life Member (L31616)
3	Indian Society for Technical Education (ISTE)	Life Member (LM17207)
4	Administrative Staff College of India (ASCI), Hyderabad	Association Life Membership (Prg/10-11/3/226/43548)
5	Manufacturing Competitiveness panel of Confederation of Indian Industry (CII) Andhra Pradesh and Telangana (AY 2015-16, 2016-17, 2017-18, 2018-19)	Member

6	Confederation of Indian Industry (CII) panel on Education & Skills for 2019-20	Member
7	World Association of Scientific Research and Technical Innovation (WASRTI)	Member
8	Scientific & Technical Research Association (STRA)	Member

ix. Extra Curricular Activities

i) NCC
<ul style="list-style-type: none"> Completed Precommission training course of 3 months duration at NCC Officers Training School, Kamptee, Near Nagpur and at 1 GUJ Compo Regt. & EME School Vadodara at Vadodara. (1-9-99 to 13-12-99) Underwent NCC training for 7 years at Sainik School Korukonda from 1981-1988. Obtained A & B Certificates in NCC.
ii) NSS
<ul style="list-style-type: none"> Participated in the special camp focusing the theme on “Youth for Rural Development” Conducted by the NSS Unit (Regd.No.AP07-013) of Pragati Engineering College, Surampalem, E.G.Dt from 3th to 10th March 2013 at Surampalem Village, Gandepalli Mandal of East Godavari District.
iii) Adventure Courses
<ul style="list-style-type: none"> Completed 53rd Adventure course in Nehru Institute of Mountaineering, Uttarkashi (Uttar Pradesh) held during 3rd to 23rd Dec. 1985 and obtained ‘A’ Grade.
iv) Sports
<ul style="list-style-type: none"> Participated in South Zone Inter Sainik School Basket ball Championship held at Sainik school Amravati, Amravati Nagar, Tamilnadu
v) Social Activities
<ul style="list-style-type: none"> Organized several social service activities through NCC & NSS cells of the college. Life Member in Association Saikorian, an Alumini Association of Sainik School Korukonda, which is involved in “Krishi Project” meant for home for orphanage children at Hyderabad. Member, Lawsons Bay Colony Owners Welfare Association during 1998 – 2000.

x. Personal Data

Father's name	Surapaneni Lakshmana Rao
Date of birth	8 th June 1971
Nationality	Indian
Gender	Male
Passport Number	V2584070
Marital Status	Married
Number of Dependents	Three Spouse : Doppalapudi Sirisha (Passport No: V2584064) Daughter : Surapaneni Vipanchika (Passport No: V2587081) Son : Surapaneni Praneeth (Passport No: V2587760)
Language Fluency	English, Hindi, Telugu
Permanent Address	Plot No. MIG 13, Door No.:4-66-1/4, Lawson's Bay Colony, Visakhapatnam – 530 017, Andhra Pradesh, India

xi. References

1) Dr. P.Krishna Rao Chairman Pragati Engineering College #1-378,ADB Road,Near Surampalem, East Godavari District ANDHRA PRADESH, INDIA Email: kris@pragati.gmail.com Mobile: +91 9848423445	2) Sri K. Raghu Chairman Raghu Educational Society Dakamarri, Bheemunipatnam Mandal Visakhapatnam- 531 162 ANDHRA PRADESH, INDIA Email: chairmanraghuk@gmail.com Mobile: +91 9949395599
3) Dr. J.Jayalaxmi Director Roland Institute of Technology Surya Vihar, Berhampur-761 008 ODISHA, INDIA Email: jaya10j@gmail.com Mobile: +91 7752009690	

(Dr. S. SAMBHU PRASAD)

Place :

Date :