1	Name of Faculty	Dr. S. SOLOMON RAJ		
2	Designation	Associate Professor		250
3	Nature of Job/Appointment	Regular		and to
4	Date of Joining	26– 09 - 2005		A M
5	E-mail	solomonraj_mech@cbit.ac.in		
6	Education Qualifications	Name of the Degree		Class
	Ph. D	Ph. D (Mechanical Er	ngineering)	Awarded
	PG	M. Tech (Solid Mechanics & Design, IIT Kanpur)		First
	UG	B. Tech (Mech., Kakatiya University, Warangal).		First
7	Work Experience			
	Teaching	18 Years (Includes research experience)		
	Research	08 years		
	Industry			
	Others			
8	Area of Specialization	Solid Mechanics, Composite Materials, Machine Design, Design of Machine elements and Mechanical Vibrations.		
9	Professional Memberships	SAE India: 7190410658		
10	Responsibilities held at Institution Level	Member of different committees in SHRUTHI every year.		
11	Responsibilities held at Department Level	 Coordinator- MECHANICA, from 2015- Till date ISO- Dept Coordinator, during AY: 2014-2015, 2015-2016 Project coordinator-BE, from AY: 2019- Till date Member, Performance Assessment Committee: PG CAD/CAM from AY-2014 -2019. Coordinator- PG (CAD/CAM) from 2020- Till date 		
12	Research Guidance			
13	Awards Received			
14	Courses Handled at Under Graduate / Post Graduate Level.	Mechanics of Solids theory & Lab, Design of Machine Elements, Machine Design, Control Systems Theory, Engineering Graphics, Mechanics of Composite Materials, Vibration Analysis and Condition Monitoring.		
15	No. of Papers Published	National Journals –	International Journa	als – 11
15		National Conference –	International Conference – 01	
16	Projects Carried out			
17	Patents			
18	Technology Transfer			
19	Invited Speaker	 Keynote Invited Lecture on "Sliding Contact Bearings & Rolling contact Bearings", on 13th &14th May 2020, in Department of Mechanical Engineering, GNIT, Ibrahimpatnam. Guest Speaker on "Mechanics of Solids" held on 11th March 2020 at Gurunanak Institutions Technical Campus, Ibrahimpatnam. Guest Lecture on "Mechanics of Solids", at GNIT, Ibrahimpatnam on 14th Nov 2019. Guest Speaker on "Design of Machine Elements", held on 30th Nov 2018 at Gurunanak Institutions Technical Campus, Ibrahimpatnam. 		

 20 No. of Books/Chapter Published with details 20 No. of Books/Chapter Published with details 20 No. of Books/Chapter Published with details 21 20 21 21 21 21 22 22 22 23 24 24 24 25 26 26 27 27 26 27 27 28 29 29 20 20 21 21 22 22 23 24 24 24 24 25 26 27 26 27 27 27 28 28 29 29 20 20 21 21 22 22<th></th><th></th><th></th><th></th>				
 March 2017. March 2017. Vibrations: A tool for condition moltoring, "Machine Vibration Analysis," ISBN: 978-93-87418-10-3, pp.66-75, Vindha Publishing House. Material Characterization and Kinematics of Shells, "Emerging Trends in Composite Materials and Industrial Applications", 20th to 25th March, 2017 ISBN: 978-93-85518-09-6, pp.91-115, Vinndha Publishing House. Finite Element Analysis of Composite Plates in Ansys, "Emerging Trends in Composite Materials and Industrial Applications", 20th to 25th March, 2017 ISBN: 978-93-85518-09-6, pp.91-115, Vinndha Publishing House. Finite Element Analysis of Composite Plates in Ansys, "Emerging Trends in Composite Materials and Industrial Applications", 20th to 25th March, 2017 ISBN: 978-93-85518-09-6, pp.116-133, Vinndha Publishing House. Design, Fabrication and Analysis of Composite Materials and Industrial Applications", 20th Io 25th March, 2017 ISBN: 978-93-85518-072-8, ISBN-10, 93-65580-72-8, ISBN-10, 92-72-8, ISBN-10, 93-65580-72-8, ISBN-10, 92-72-8, ISBN-10, 93-65580-72-8, ISBN-10, 92-72-8, ISBN-10, 93-65580-72-8, ISBN-10, 92-72-8, ISBN-10, 92-72-8, ISBN-10, 92-72-8, ISBN-10, 92-72-8, ISBN-10, 92-72-8, ISBN-10, 9				Department of Mechanical Engineering, GNIT, Ibrahimpatnam, on 4 th July 2018. Invited talk on "Material Characterization and Kinematics of
 Analysis", ISBN: 978-93-87418-10-3, pp.66-75, Vrindha Publishing House. Material Characterization and Kinematics of Shells, "Emerging Trends in Composite Materials and Industrial Applications", 20th to 25th March, 2017 ISBN: 978-93-85518-09-6, pp.91- 115, Vrindha Publishing House. Finite Element Analysis of Composite Materials and Industrial Applications", 20th to 25th March, 2017 ISBN: 978-93-85518- 09-6, pp.116-133, Vrindha Publishing House. Design, Fabrication and Analysis of Composite Materials and Industrial Applications", 20th to 25th March, 2017 ISBN: 978-93-85518- 09-6, pp.116-133, Vrindha Publishing House. Design, Fabrication and Analysis of Composite Materials authorized by University of London and SOAS University offered through Coursera on 17th May 2020. "Materials Science: 10 Things Every Engineer Should Knowr, an online non-credit course authorized by University of California, Davis and offered through Coursera on 28th April 2020. "Machine Design, Part-1", an online non-credit course authorized by Coursera on 28th April/2020. "Machine Design, Part-1", an online non-credit course authorized by Georgia Institute of technology and offered through Coursera on 28th April/2020. "Machine Design Part-1", an online non-credit course authorized by Georgia Institute of technology and offered through Coursera on 28th April/2020. "Machine Design Part-1", an online non-credit course authorized by Indexinals I: Fundamentals of Stress & Strain and Axial Loading an online non-credit course authorized by Georgia Institute of technology and offered through Coursera on 28th April/2020. "Mechanical Engineering, CBT. One week FDP on 'Innotative teaching pedagogy in the technical institutions, organized by L0AC, MVPS's KBT College of engineering 28th may to 3th June 2020, CBT, Hyderabad. One week FDP on "Outcome Based education and NBA Accr				March 2017.
 No. of Books/Chapter Published with details 115, Virindha Publishing House. Finite Element Analysis of Composite Materials and Industrial Applications, '201h to 25th March, 2017 ISBN: 978-93-85518-09-6, pp. 116-133, Vindha Publishing House. Design, Fabrication and Analysis of Composite Marine propeller, ISBN-13: 978-93-85800-72-1. McGraw Hill Education, pp. 66-74, Oct 2015. Understanding Research methods, an online non-credit course authorized by University of London and SOAS University of California, Davis and offered through Coursera on 17^m May 2020. "Materials Science: 10 Things Every Engineer Should Know", an online non-credit course authorized by University of California, Davis and offered through Coursera on 28^m April 2020. "Materials Science: 10 Things Every Engineer Should Know", an online non-credit course authorized by Coursera on 28^m April 2020. "Materials Science: 10 Things Every Engineer Should Know", an online non-credit course authorized by Georgia Institute of technology and offered through Coursera on 28^m April 2020. "Machine Design Part-1", an online non-credit course authorized by Georgia Institute of technology and offered through Coursera on 28^m April 2020. One Week Faculty Development Programme on "Recent Advances in Mechanical Engineering. A Research Perspective", during 6^m to 10^m June 2020, Department of Mechanical Engineering. California engineering CBT. Trainings (Attended andor Organized). One week FDP on 'Inovative teaching pedagogy in the technical institutions, organized by June 2020. One week FDP on "Sub Printing & Design", from 15th to 19^m June 2020. One week FDP on "Sub 200. MIGT. Hyderabad. One week FDP	20	-		Analysis", ISBN: 978-93-87418-10-3, pp.66-75, Vrindha Publishing House. Material Characterization and Kinematics of Shells, "Emerging Trends in Composite Materials and Industrial Applications",
 4. Design, Fabrication and Analysis of Composite Marine propelier, ISBN 13: 978-936580-72-8, ISBN 10: 93-95880-72-1. McGraw Hill Education, pp.66-74, Oct 2015. 1. Understanding Research methods, an online non-credit course authorized by University of London and SOAS University offered through Coursera on 17th May 2020. 2. "Materials Science: 10 Things Every Engineer Should Know", an online non-credit course authorized by University of California, Davis and offered through Coursera on 29th April 2020. 3. "Machine Design Part-1", an online non-credit course authorized by Georgia Institute of technology and offered through Coursera on 28th April2020. 4. Mechanics of Materials I: Fundamentals of Stress & Strain and Axial Loading an online non-credit course authorized by Georgia Institute of technology and offered through Coursera on 28th April2020. 5. One Week Faculty Development Programme on "Recent Advances in Mechanical Engineering. MGIT, Hyderabad. 6. One week FDP on Industry 4.0- A design and manufacturing perspective", 16th June 2020, NITW. 7. One week FDP on Steasench Among Youth", by Vardhaman College of engineering Nathik, during 8 to 5th June 2020. 9. One week FDP on Pressench Among Youth", by Vardhaman College of engineering Mathik, during 19 June 2020. 10. rew Day FDP on "Effective Technical Report writing Using LaTeX", during 8th and 9th June 2020. MGIT, Hyderabad. 11. Conline Sessions conducted by Institution's Innovation Course(IIC) of MHRD's Innovation HDP on "Effective Technical Report writing Using LaTeX", during 8th and 9th June 2020. 10. rew EAPD on "The Stere Throin and Report writing Using LaTeX", during 8th and 9th June 2020. 11. One week FDP on "NAAC Awarenes Programme for Faculty", organized by MMIT, Pune from 9th to 15th May 2020. 12. One week FDP on "The Center envirthe Mathods for Be			3.	115, Vrindha Publishing House. Finite Element Analysis of Composite Plates in Ansys, "Emerging Trends in Composite Materials and Industrial Applications", 20th to 25th March, 2017 ISBN: 978-93-85518-
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 13. One week FDP on "Outcome Based Education: A Step Towards Excellence" conducted by Govt.College of Engineering, Karad, Maharashtra from 11th to 15th May 2020. 14. One week FDP on "NAAC Awareness Programme for Faculty", organized by MMIT, Pune from 8th to 14th may 2020. 15. One week FDP on "Finite Element Methods for Beginners", April 20-24, 2020, Chitkara university through class connect 16. Two week AICTE Sponsored FDP "Recent Advances in 			12.	. IIC online sessions conducted by Institution's Innovation Counsel(IIC) of MHRD's Innovation cell new Delhi to Promote Innovation, IPR, Entrepreneurship and start-ups among HEIs
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16. Two week AICTE Sponsored FDP "Recent Advances in			15.	One week FDP on "Finite Element Methods for Beginners",
			16.	Two week AICTE Sponsored FDP "Recent Advances in

	Organized by Department of Mechanical (Mechatronics) Engineering, MGIT, 4 th to 16 th Dec 2017. 17. Organized AICTE sponsored Two day National Seminar on "Machinery Vibration Analysis", as Coordinator 5th to 6 th Oct 2017. 18. Organized an FDP "Emerging Trends in Composite Materials and Industrial Applications", sponsored by TEQIP, 20th to 25th March, 2017. Details of			
22	Details of Journal Publications/ Conferences (National and International)			
	International/National Journals from the Year 2017			
	 Dr. S. Solomon Raj, Dr. G. Laxmaiah, N.Sandeep, "Design Analysis and Optimization of 6DOF Robotic Arm", International Journal of Mechanical and Production Engineering Research and Development (IJMPERD), ISSN (P): 2249-6890; ISSN (E): 2249-8001(Accepted) June 2020. Dr. G. Laxmaiah, Dr. S. Solomon Raj, Dr P.V.R Ravindra Reddy "Experimental stress Analysis of Rocket Motor Casing Using Elasto-Plastic Strain Theory", International Journal of Mechanical and Production Engineering Research and Development (IJMPERD), ISSN (P): 2249-6890; ISSN (E): 2249- 8001(Accepted) June 2020. 			
	 Dr. S. Solomon Raj, Dr. G. Laxmaiah & V. Ravi kumar, "Design and analysis of fuselage skin repair joint", International Journal of Mechanical and Production Engineering Research and Development (IJMPERD), Vol. 9, ISSN (P): 2249-6890; ISSN (E): 2249-8001 Issue 3, Jun 2019, 887-894. 			
	 Dr. G. Laxmaiah, Dr. P. V. R. Ravindra Reddy, Dr. S. Solomon Raj, "Experimental studies on optimization of molding sand composition with tamarind kernel powder as additive", International Journal of Mechanical and Production Engineering Research and Development (IJMPERD), Vol. 9, ISSN (P): 2249-6890; ISSN (E): 2249-8001 Issue 3, Jun 2019, 939-946. 			
	 Dr. S. Solomon Raj., "Effect of stacking sequence on the performance of gas turbine casing using modal analysis", International Journal of Mechanical Engineering and Technology. e-ISSN: 0976-6359, p-ISSN:09766340 Vol.9,Issue.3,pp.800–805,2018. 			
	 S. Solomon Raj, and Dr. P. Ravinder Reddy., "Utilization of bend twist coupling to improve the performance of hybrid marine composite propeller", International Journal of Mechanical Engineering and Technology. e-ISSN: 0976-6359, p-ISSN:09766340 Vol.9, Issue.3, pp.443–449,2018. 			