

St.Joseph's College of Engineering – Chennai 600119
Department of Mechanical Engineering
Faculty Information Sheet

Staff Name	:	R.George Sahaya Nixon
Faculty ID	:	TME19
Designation	:	Associate Professor
Qualification	:	M.E.Ph.D
E- Mail ID	:	gsnixons@gmail.com
Total Experience (Years)	:	13
Teaching Experience (Years)	:	13
Area of specialization	:	CAD
Subjects handled in UG with Subject Code	:	Engineering Graphics GE8152 Fluid Mechanics and Machinery CE6451 Strength of Materials CE6306 Metrology and Measurements ME6504 Finite Element Analysis ME6603 Power Plant Engineering ME6701 Production planning and Control IE6605
Subjects handled in PG with Subject Code	:	Advances in Metrology and Inspection CM5251
Department Responsibilities Held	:	Basic Workshop Incharge, Counsellor
Journals published	:	1. George Sahaya Nixon, R. and Mohanty, B.S., “Characterization of Friction-Surfaced AISI316 Overlaid on Medium-Carbon Steel”, in Silicon, Springer, ISSN 1876-9918. (SCI and web of science) Impact Factor: 1.26 2. George Sahaya Nixon, R, Mohanty, B.S., Baskar G.B.,

St. Joseph's College of Engineering – Chennai 600119
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Faculty Information Sheet

- “Effect of process parameters on physical measurements of AISI316 stainless steel coating on EN24 in friction surfacing”, in Materials and Manufacturing Processes, Taylor & Francis ISSN: 1042-6914. (SCI and web of science) **Impact Factor: 2.774**
3. **George Sahaya Nixon, R,** Mohanty, B.S. Sathish.R. “Characterization Of Low Carbon Steel Coating On Medium Carbon Steel By Friction Surfacing”, in Transactions of FAMENA, ISSN 1333-1124. (SCI and web of science) **Impact Factor: 0.42**
4. **George Sahaya Nixon, R.** and Mohanty, B.S., “Characteriation of low carbon steel coating on medium carbon steel by Friction Surfacing”in Defence Technology, Elsevier, ISSN: 2214-9147(SCI and web of science) **Impact Factor: 0.63**
5. **George Sahaya Nixon, R.** Mohanty, B.S.. Godwin Barnabas, S and Manikandan, S. (2013), “Factors Affecting Friction Coating on Stainless Steel 304”, in International Journal of Scientific and Research Publications, Vol. 3, No. 3, ISSN 2250-3153.
6. **George Sahaya Nixon, R.** and Mohanty, B.S. (2013)“Friction Surfacing of Metal Coatings on Stainless Steel AISI 304 over Spheroidal Graphite Iron Substrate”, in International Journal of Advanced Material Research, ISSN: 1022-6680, Vols. 816-817, pp. 271-275. (**Scopus Indexed**)
7. **George Sahaya Nixon, R.,** Mohanty, B.S., Praveen N.K. and Nazareth Arasan.T (2015), “Friction Surfacing of inconel 625 over mild steel substrate”, in International

St.Joseph's College of Engineering – Chennai 600119
Department of Mechanical Engineering
Faculty Information Sheet

		<p>Journal of Applied Engineering Research, Vol.10, No. 33, ISSN: 0973-4562 (Scopus Indexed).</p> <p>8. George Sahaya Nixon, R., Godwin Barnabas, S., Ambrose Edward, Ezhilvannan, R., Janani, B. and Meenakshi Sunddaram (2015), “Micro structure Analysis Of SG Iron Friction surfacing”, in Australian Journal of Basic and Applied Sciences, Vol. 9, No. 20, ISSN: 1991-8178 (Scopus Indexed).</p>
International Conference Attended	:	<p>1. George Sahaya Nixon, R. and Mohanty, B.S. (2013),“Weld Strength Analysis By Taguchi Method For Direct Drive Friction Welded Joint Of Aluminium 6063 Grade With Copper (99.9% Purity) Material”, in ICEETS 2013 held in St. Xavier’s Catholic college of Engineering, Nagercoil.</p> <p>2. George Sahaya Nixon, R. and Mohanty, B.S. (2013), “Friction Surfacing of Metal Coatings on Stainless Steel AISI 304 over Spheroidal Graphite Iron Substrate”was published in the proceedings of ICMST 2013 held on Aug 3rd and 4th in Dubai, UAE.</p> <p>3. George Sahaya Nixon, R. and Mohanty, B.S. “Friction Surfacing of Al7075 Alloy Over Spheroidal Graphite Iron Substrate- A Feasibility Study”, in ICAT 2014 held on Feb 23rd and 24th in NIT Calicut.</p> <p>4. George Sahaya Nixon, R. and Mohanty, B.S. “Characteristic Analysis of friction surfaced stainless steel of different grades over EN08 substrate”, in RAINSAT 2015 held in Sathyabama University, Chennai.</p>
National Conference Attended	:	<p>1. George Sahaya Nixon, R. and Mohanty, B.S. Presented a</p>

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		<p>paper entitled “Characterization of Friction Surfaced AISI316 Overlay over Medium Carbon Steel”, in RTEMI 2016 held in Saveetha University, Chennai.</p> <p>2. George Sahaya Nixon, R. and Mohanty, B.S. “Characterization of AISI 316 Coating on Mild Steel in Friction Surfacing” in NCAFM 2017 held in St Joseph’s College of Engineering, Chennai</p>
Faculty Development Programme Attended/ Workshops Attended	:	<p>1. Attended a one day workshop on “Friction surfacing and stir welding of ferrous alloys” SURSTIR’13 in SSN College of Engineering, Chennai.</p> <p>2. Attended a 14 days FDP on “smart materials” in KCG College of Technology, Chennai.</p>
NPTEL Courses Attended	:	Metrology and Measurements (12 weeks)
No. of UG Projects Guided	:	18
No. of PG Projects Guided	:	1