




P.E.S. College of Engineering, Mandya



Faculty Profile

General

Name	Dr. G. Sharath	
Designation,	Assistant Professor	
Department & Affiliated Institution	Department of Mathematics, P.E.S. College of Engineering, Mandya – 571 401	
Research Area	q-series & Modular equations	
Contact Number	+91 9483414645	
Email ID	sharathg@pesce.ac.in	

Academic Profile

Educational Qualifications

Degree	College	University	Year of Passing	% ge	Class
Ph. D	DOS in Mathematics, MGM, UOM, Mysuru	University of Mysore	2013	-	-
M. Sc	DOS in Mathematics, MGM, UOM, Mysuru	University of Mysore	2004	81.3%	Distinction
B. Sc	JSS College of Arts, Commerce and Science, Ooty Road, Mysuru	University of Mysore	2002	70.94%	First class

Research Achievements/Awards

Ph. D / M.Sc., Engg./M.Phil	Ph. D - Nil	M.Sc., Engg./M/Phil - Nil
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Professional Experience

Organization & Department	Designation	Period	Total of Experience
PG Dept. of Mathematics, BETAHE, , Bharathi College, Bharathinagara, Mandya District	Assistant Professor	01-08-2012 to 03-07-2015	2 Years 11 months
PG Dept. of Mathematics, VidyaVikas FGC, VVET, Mysuru	Assistant Professor	06-07-2015 to 30-4-2021	5 Years 9 months
Department of Mathematics, PESCE, Mandya	Assistant Professor	03-05-2021 to Till date	

Report of Work for the Academic Year : 2021-22

Academics	Description of Academic records
Teaching Records (Details of course taught)	Undergraduate: Engineering Mathematics-I, II, III, IV, Additional Mathematics-I, II, Research Methodology (Ph. D course work, UOM, Mysuru)

Research Guidance (Ph. D /; Students awarded & pursuing)

Degree	Awarded	Pursuing
Ph. D	Nil	Nil
M.Sc Engg./ M/Phil	Nil	Nil

Sponsored Research Projects (List of Projects taken up /completed and funds receiver & funding sources)

Project Title	Project Funded by	Grants Sanctioned	Grants Received
Nil	--	--	--

Research Publications in Refereed Journals and Conferences

No. of Publications in	National	International
Journals	01	12
Conferences	--	--

Other Important Responsibilities held in the College

BOS and BOE Member	
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List of Publications:

1. **G. Sharath.** (2023). On some P-Q modular equations of degree 45, *Proyecciones Journal of Mathematics*, 42(3), 631-650.
ISSN 0716-0917, doi:10.22199/issn.0717-6279-4956
2. **G. Sharath.** (2021). On Some Somo's eta-function Identities of Level 27 and their Partition Interpretations, *Scientia Magna*, **16** (1), 103-109.
ISSN 1556-6706, <http://fs.unm.edu/ScientiaMagna16no1.pdf>
3. B. R. Srivatsa Kumar and **G. Sharath.**(2020). Some Somo's Theta Function Identities of Level 6 and Application to Partitions, *Publications de l'Institut Mathématique*, **108**(121) , 137–144,
ISSN: 0350-1302, <https://doi.org/10.2298/PIM2022137S>
4. K. R. Vasuki and **G. Sharath.**(2015). On a modular equations of degree 27, *J. of Indian Mathematical Society*, **82**(1-2), 197–206.
ISSN: 0019-5839, <http://www.indianmathsociety.org.in/jims.htm>
5. K. R. Vasuki and **G. Sharath.**(2013). On Ramanujan's modular equations of degree 21, *J. of Number Theory*, **133**(2), 437–445.
ISSN: 0022-314X, <https://doi.org/10.1016/j.jnt.2012.08.010>
6. K. R. Vasuki and **G. Sharath.** (2012). On Ramanujan's modular equations of degree 35, *J. Math. Anal. Appl.*, **396**(1), 13–20.
ISSN: 0022-247X, <https://doi.org/10.1016/j.jmaa.2012.05.081>
7. K. R. Vasuki , **G. Sharath** and K. R. Rajanna.(2011). On Some Identities of Ramanujan-Gollnitz-Gordon Continued Fraction, *NNTDM*, **17**(4), 50–60.
ISSN 1310-5132, <http://nntdm.net/>
8. K.R.Vasuki, Abdulrawf A. A.Kahtan and **G. Sharath.** (2011). On the Series Expansion of the Ramanujan Cubic Continued Fraction, *International J.Math. Combin.*, **4**, 84-95.
ISSN 1937-1055, <http://fs.unm.edu/IJMC.htm>
9. K. R. Vasuki, **G. Sharath** and K. R. Rajanna. (2010). Two Modular Equations for Squares of the Cubic-Functions with Applications, *Note di Matematica*, **30**(2), 61-71.
ISSN: 1123-2536 , DOI Code: 10.1285/i15900932v30n2p61
10. K. R. Vasuki, Abdulrawf A. A. Khatan, **G. Sharath** and C. Satish Kumar. (2010). On a continued fraction of order 12, *Ukrainian J. of Mathematics*, **62**(12), 1866–1878. ISSN: 1573-9376, <https://doi.org/10.1007/s11253-011-0476-1>
11. K. R. Vasuki, **G. Sharath** and N. Bhaskar. (2010). General Formulas for Evaluation of Singular Modulus of the Complete Elliptic Integral, *Advanced Studies in Contemporary Mathematics*, **20**(1), 29-56.
ISSN 1229-3067, <http://www.jangjeon.or.kr/index.html>
12. K. R. Vasuki, N. Bhaskar and **G. Sharath.** (2010). On a continued fraction of order six, *Annali Dell' Universita' di Ferrara*, **56**(1), 77-89.
ISSN: 1827-1510, DOI 10.1007/s11565-010-0090-4
13. K. R. Vasuki and **G. Sharath.** (2009). On the $3\psi_3$ Basic Bilateral Hypergeometric Series Summation Formulas, *International J. Math. Combin.*, **4**, 41-48.
ISSN 1937-1055, <http://fs.unm.edu/IJMC.htm>