

DEPARTMENT OF SCIENCE AND HUMANITIES

Department of Mathematics

Name: Dr. G. SHANKARAKALIDOSS	
Designation:	Associate Professor
Qualification:	M.Sc., M.Phil., Ph.D., M.Sc., (YOGA)
Area of Specialization:	Number Theory
Experience:	Teaching: 19 Yrs. UG: 19 PG: 14
	Industry: -NIL
No. of workshop/Conferences/ FDP attended:	03/06/04
Publication:	Journal National: - NIL International: 13
	Conference National: 01 International: 05
Membership :	ISTE
Achievements:	Received 100% Certificate of Appreciation.

PUBLICATIONS

1. **Dr.P.Jayakumar,G.Shankarakalidoss(2014)**, “On a special rectangular problem”.
International Journal of Acta Ciencia Indica. Vol:XLM.NO.2 (133-137)
2. **Dr.P.Jayakumar,G.Shankarakalidoss** “On the system of double equations
 $b - T = x^2; \frac{b}{2} - T = y^2, T \neq \text{Square}$ ” International Journal of Acta Ciencia Indica. Vol:XLM.NO.2
(217-221) 2014, ISSN No. 0970-0455
3. **Dr.P.Jayakumar,G.Shankarakalidoss** “On two diophantine equations $16^x + 23y = z^2$ and
 $16^x + 29y = z^2$ ” Archimedes J.Math., Vol:2 Issue 4(99-102) April 2014, ISSN No.2278-0858.
4. **Dr.P.Jayakumar,G.Shankarakalidoss** “On solutions of some diophantine equations” Antarctica
J.Math., Vol:3 Issue 11(215-219) May 2014, ISSN No.0972-8643.
5. **Dr.P.Jayakumar,G.Shankarakalidoss** “On solutions of some diophantine equations” Bessel
J.Math., Vol:3 Issue 4(69-74) May 2014, ISSN No.2278-0858.
6. **Dr.P.Jayakumar,G.Shankarakalidoss** “On solutions of some diophantine equations” Diophantus
J.Math., Vol: 3 Issue3(55-59) May2014, ISSN No.2278-1714.
7. **Dr.P.Jayakumar,G.Shankarakalidoss** “Lattice points on the homogeneous cone $4(x^2 + y^2) -$
 $3xy = 19z^2$ ” International Journal of Science and Research. Vol:4 Issue 1(2053-2055) Jan2015,
ISSN No.2319-7064.
8. **Dr.P.Jayakumar,G.Shankarakalidoss** “Integral points on the homogeneous cone $x^2 + y^2 = 10z^2$ ”
International Journal for Scientific Research and Development. Vol:4 Issue 11(234-235) Jan2015,
ISSN No.2321-0613.
9. **Dr.P.Jayakumar,G.Shankarakalidoss** “Integral solutions of the homogeneous biquadratic
Diophantine equations with five unknowns $2(x^2 - y^2) (2x^2 + 2y^2 - 3xy) = 11(z^2 - w^2)T^2$ ” International
Journal for Scientific Research and Development.Vol:2 Issue 12(722-724) 2015, ISSN No.2321-
0613.
10. **Dr.P.Jayakumar,G.Shankarakalidoss** “Integral solutions of the homogeneous biquadratic
Diophantine equations with five unknowns $(x^2 - y^2)(3x^2 + 3y^2 - 2xy) = 12(z^2 - w^2)T^2$ ” International
Journal of Science and Research. Vol:4 Issue 3(40-42) Mar2015, ISSN No.2319-7064.
11. **Dr.P.Jayakumar,G.Shankarakalidoss** “Integral solutions of Diophantine equations
 $x^2 + 13y^2 = 22z^2$ ” Jamal academic research Journal. Special issue 2015, ISSN No.0973-0303.
12. **Dr.P.Jayakumar,G.Shankarakalidoss** “On Homogeneous Diophantine Equation $x^2 + y^2 -$
 $xy = 7z^2$ ” International Journal for Scientific Research and Development. Vol:5 Issue 9 (456-458),
2017, ISSN No.2321-0613.

13. **Dr.P.Jayakumar,G.Shankarakalidoss** “Hexagonal Numbers and Pythagorean Triangles”
Journal of Mathematics and Informatics. Vol:11(13-15) Dec.2017, ISSN No.2349-0632.

PATENT: NIL

EVENT ORGANISED:

1. **Coordinator TNSCST Sponsored** workshop entitled “National Mathematics Day” on 10.01.2025 at Kings College of Engineering.
2. **Convener** “International Conference on recent trends in mathematics and compurations” on 24.07.25 at Kings College of Engineering.

OnlineCoursesattended: NIL