



**Karnatak University's
KARNATAK SCIENCE COLLEGE, DHARWAD**



P. G. DEPARTMENT OF MATHEMATICS

**Orientation Programme and Welcome Function to
“M. SC. FIRST YEAR STUDENTS”
(For the Academic year 2024-25)**

Chief Guest

Dr. S. C. Shiralashetti
Professor and Chairman
Department of Mathematics
Karnatak University, Dharwad

Guest of Honours

Dr. H. S. Ramane
Professor
Department of Mathematics
Karnatak University, Dharwad

Dr. P. G. Patil
Professor
Department of Mathematics
Karnatak University, Dharwad

Dr.(Smt.) R. S. Dyavanal
Associate Professor
Department of Mathematics
Karnatak University, Dharwad

Dr.(Smt.) Asha S. K.
Associate Professor
Department of Mathematics
Karnatak University, Dharwad

Dr. J. B. Toranagatti
Associate Professor
Department of Mathematics
Karnatak University, Dharwad

Dr.(Smt.) Keerthi G. Mirajkar
Professor
Department of Mathematics
Karnatak University, Dharwad

President

Prof. (Smt.) M. S. Salunke
Principal
Karnatak Science College, Dharwad

Convenor

Dr. B. Parvathalu
Head
P. G. Department of Mathematics,
Karnatak Science College, Dharwad

Date: 11-12-2024

Time: 10.00 am

Venue: BCA Auditorium, Karnatak Science College, Dharwad

ALL ARE CORDIALLY INVITED

**Students, Teaching and Non-teaching Staff
P. G. Dept. of Mathematics, Karnatak Science College, Dharwad**

**General Secretary
Mr. Abhishek C..**

**Gymkhana Secretary
Mr. Shivanand R.**

**Class Representative
Mr. Shravanakumar B.**

**Ladies Representative
Miss. Srushti H.**

KARNATAK SCIENCE COLLEGE, DHARWAD
(Constituent Science College of Karnatak University, Dharwad)

Department of Mathematics

Activity Report

General Information

Type of Activity	Orientation Programme and Welcome Function
Title of the Activity	Orientation Programme and Welcome Function to M. Sc. First Year Students.
Date/s	12, December 2024
Time	10:00 AM to 2:00 PM
Venue	BBA/BCA – Hall, Karnatak Science College, Dharwad
Collaboration/Sponsor (if any)	P. G. Department of Mathematics, Karnatak Science College, Dharwad.

Speaker/Guest/Presenter Details

Name	Dr. S. C. Shiralashetti
Title/Position	Professor & Chairman, Department of Mathematics, Karnatak University, Dharwad
Organization	Karnatak Science College, Dharwad
Title of Presentation	The Importance of Higher Education and Competitive Exams in Mathematics
Name	Dr. P. G. Patil
Title/Position	Professor, Department of Mathematics, Karnatak University, Dharwad
Organization	Karnatak Science College, Dharwad
Title of Presentation	Exploring the Applications of Mathematics in Modern Fields

Participants profile

Type of Participants	PG Students & Faculty
No. of Participants	76 Students

Synopsis of the Activity (Description)

Highlights of the Activity	The Mathematics Orientation Program aimed to introduce students to the mathematics curriculum, familiarize them with the teaching methods.
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Key Takeaways	<ol style="list-style-type: none"> 1) Dr. S. C Shiralashetti motivated the students and provided insights into career opportunities available after completing M.Sc in Mathematics. 2) Explained the structure of updated P. G. Mathematics syllabus and preparation required for Programming Labs 3) The students were Motivated by speaker’s enthusiasm and passion for mathematics.
	<p style="text-align: center;">Dr. P. G. Patil</p> <ol style="list-style-type: none"> 1) Dr. P. G. Patil emphasized the wide-ranging applications of mathematics in fields such as data science and scientific research. 2) He encouraged students to explore careers in research, stressing the importance of curiosity and innovation. 3) Highlighted the significance of maintaining moral ethics in all professional endeavors, especially in research and academia.
Summary of the Activity	<p>Dr. S. C. Shiralashetti commenced the session by emphasizing the significance of pursuing a P.G. Mathematics course at Karnatak Science College, Dharwad. He shed light on the importance of competitive exams like GATE and NET/SLET, discussing their advantages and the career opportunities they offer. Additionally, he inspired students to cultivate essential skills such as problem-solving, critical thinking, and analytical reasoning, essential for academic and professional growth.</p> <p>Dr. P. G. Patil highlighted the versatile applications of mathematics in fields like data science and scientific research. He encouraged students to consider careers in research while underscoring the importance of adhering to moral ethics in their endeavors. The Mathematics Orientation Program was a resounding success, equipping students with a thorough understanding of the curriculum, teaching methods, and the broader relevance of mathematics in various domains.</p>
Follow-up plan, if any	<p>Based on student feedback, the Department of Mathematics plans to organize mathematics workshops and provide additional support for students to get through competitive exams.</p>
Rapporteur	
Name of the Rapporteur	Dr. B Parvathalu, HoD, Department of Mathematics
Email and Contact No	+91 8310780321 (headmathkcd@gmail.com)

Orientation Programme and Welcome Function



Overview of the Event:

An Orientation Programme and Welcome Function was successfully conducted to warmly greet and guide new students as they began their academic journey. The event aimed to familiarize students with the institution's culture, curriculum, and facilities, ensuring a smooth transition into their academic pursuits. Key sessions included an introduction to faculty members, an overview of academic expectations, and insights into extracurricular opportunities available at the institution.

The program also served as a platform to motivate and inspire students to make the most of their time at the institution. Through interactive sessions and addresses by senior faculty, students were encouraged to embrace a growth-oriented mindset. The event concluded with a warm welcome by senior students, fostering a sense of camaraderie and belonging among the newcomers.

Program Execution:**• Anchors:**

1. Ms. Suman. (M. Sc. III Semester)
2. Mr. Shravan (M. Sc. III Semester)

• Welcome Address:

Dr. B. Parvathalu, Head, UG & PG Department of Mathematics

• Guest Introduction:

Ms. Priya . (M. Sc. III Semester)

• Presidential Remarks:

Prof. M. S. Salunke, Principal, Karnatak Science College, Dharwad

• Vote of Thanks:

Mr. Shravan Banni, Class Representative, M. Sc. III Semester.

Acknowledgments:

The Department of Mathematics extends its heartfelt gratitude to Prof. S. C. Shiralashetti and Prof. P. G. Patil for their invaluable contributions to the program. Special thanks are also due to Prof. M. S. Salunke and Prof. R. Y. Budihal for their unwavering support and encouragement. The department appreciates the efforts of all faculty, staff, and students whose dedication and hard work ensured the success of the event.

FACULTY PROFILE

Prof. S. C. Shiralashetti

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KARNATAKA, INDIA



Prof. Siddu Channabasappa Shiralashetti obtained B. Sc. (1997), M. Sc. (1999), PGDCA. (1999), M.Phil. (2000) and Ph.D. (2007) degrees from Karnatak University, Dharwad. Prof. S. C. Shiralashetti began his teaching career at S. D. M. College of Engineering and Technology, Dharwad-580006 in 14 Nov 2000 and there he worked as a Lecturer, Senior Grade Lecturer and Reader, served till 28th Feb 2009. Later, Prof. S. C. Shiralashetti moved on to Karnatak University's, Karnatak College, Dharwad - 580001, worked from 28th Feb 2009 as an Asst. Professor and served till 28th October 2013. Then he appointed as Associate Professor from 28th October 2013 in the P. G. Department of Studies in Mathematics, Karnatak University, Dharwad. Later he has been promoted as Professor from 28th October 2016. Currently, Prof. S. C. Shiralashetti is working in the P. G. Department of Studies in Mathematics, Karnatak University, Dharwad as a Professor.

Prof. S. C. Shiralashetti research work is interdisciplinary in nature and his Area of Research includes Numerical Analysis, Wavelet Analysis, Computational Fluid Dynamics, Wavelet Multigrid Methods, Differential Equations, Integral Equations, and Integro-Differential Equations.

Research Papers Published: 183 (In Journals = 156, In Proceedings = 27). Citations: 794, H-index: 14, i10 Index: 21, Major Research Projects Completed: UGC MRP-01 (Principal Investigator: Prof. S. C. Shiralashetti from 01-02-2010 to 01-02-2013): Project Title: Numerical Solutions of Different class of Equations and Signal Analysis Arise in Science & Engineering using Wavelets.

Prof. S. C. Shiralashetti has guided 09 Ph.D students and currently supervising 5 students for their Ph.D. work. He has Presented Research Papers in the conferences / Workshop: 53. Conference / Workshop / Orientation/Refresher course attended without presenting a paper: 47. Member of the Association/Academy/Parishat/Society: Life member: 04. Special Lectures Delivered: 22. Conference/Workshop organized as an

organizing secretary/coordinator/Member: 21. Chaired the session in the National and International Conferences: 17, Administrative Assignments completed: 25.

Prof. S. C. Shiralashetti has received some awards are: (1) Best Research Publications in Science-2019 Award from Karnatak University Dharwad, (2) Best Research Publications in Science-2017 Award from Karnatak University Dharwad, (3) Best Teacher Gem Award-2017 from Mathematics Association, Karnatak University Dharwad based on Talent Exhibition Competitions, (4) Best Research Publications in Science-2016 Award from Krnatak University Dharwad, (5) Best Teacher Gem Award-2016 from Mathematics Association, Krnatak University Dharwad based on Talent Exhibition Competitions, (6) Cash Award for Publications-2009 from SDME Society, Ujire based on Research Publications, (7) Best Teacher Award-2007 from SDME Society, Ujire based on students Feed Back, (8) Rajapuraskar Award-1991 from Governor of Karnataka as a Rajapuraskar Scout, (9) Rastrapathi Award-1992 from President of India as a Rastrapathi Scout, (10) NCC Best Cadet Award-1993 from Army Infantry unit Directorate Karnataka and Goa, Bangalore, (11) 1st Prize in Parade and Firing competition-1995 from company commandant 2/36 Karnataka Battalion NCC, (12) NCC “C” Certificate-1995 with ‘A’ grade from company commandant 2/36 Karnataka Battalion NCC, (13) NCC “B” Certificate-1994 with ‘A’ grade from company commandant 2/36 Karnataka Battalion NCC, (14) First Prize in Dist. Level Science Exhibition compitation-1990 from Govt. of Karnataka.

Academic ID'S						
ORCID-ID	Researcher -ID	Scopus-ID	Google-Scholar-ID	Microsoft-Academic-ID	Vidwan ID	No. of Publications
0000-0002-0938-6953	ABF-3921-2021	15843873400	hmhiJjAAAAAJ	2674861631	240417	183

Some Recent Publications	
Sl. No.	<u>RESEARCH ARTICLES PUBLISHED IN JOURNALS</u>
01	S. C. Shiralashetti, M. H. Kantli, A. B. Deshi, Numerical solution of linear and nonlinear elliptic partial differential equations using lifting scheme, <i>Palestine Journal of Mathematics</i> , Vol. 11 Issue 1, (2022), p345-353. 9p.
02	S. C. Shiralashetti, S. I. Hanaji, “Taylor wavelet collocation method for Benjamin–Bona–Mahony partial differential equations”, <i>Results in Applied Mathematics</i> , 9, (2021), 100139, 1-16. [ISSN: 2590-0374], Elsevier.

Curriculum Vitae



P.G.Patil is currently working as a Professor in the Department of Mathematics, Karnatak University, Dharwad, Karnataka, India. He has 22 years of Teaching Experience and 20 years of Research Experience. His areas of interest include Topology, Fuzzy Theory, Soft Set Theory, Binary Soft Set Theory. He has published 74 research articles in reputed National /International journals. He has collaborated with national and international experts. He is a simple student-friendly researcher who always motivates young researchers. P G Patil has guided three research scholars and guiding three research scholars to lead to their Ph.D. degree. He has organized and executed many national conferences/workshops/seminars and delivered nearly 45 special lectures in various institutions in various capacities. He has been a member of many technical and advisory committees for many national conferences/workshops/seminars. He has reviewed many research papers in SCI and SCIE journals.

Qualifications

- B.Sc.,(Mathematics) – Karnatak University, Dharwad (1994).
- M.Sc.,(Mathematics) - Karnatak University, Dharwad (1996).
- Ph.D.,(SOME STUDIES IN TOPOLOGICAL SPACES) - Karnatak University, Dharwad (2007).

Employment Profile

- Lecturer in Mathematics (Part-time), SVM First Garde College Ilkal - 587 125, From November 1996 to March 1999.
- Lecturer in Mathematics, Rural Engineering College, Hulakoti- 582 205, From May 1999 to August 2003.
- Assistant Professor of Mathematics, SKSVM Agadi College of Engineering & Technology, Laxmeshwar-582 116, From September 2003 to 27th October 2013.
- Associate Professor of Mathematics, Karnatak University, Dharwad-580 003, From 28th October 2013 to 27th October 2016.
- Professor of Mathematics, Karnatak University, Dharwad-580 003, From 28th October 2016.

Specialization

- Fuzzy Topological Structures.
- Fuzzy Algebraic Structures.
- Soft Topological Structures.
- Binary Soft Theory and Applications
- Papers Published: 74

- Papers Presented at Conference/Seminars: 18
- Invited/Special Lectures Delivered:45

M. Phil/ Ph.D. Theses

- M.Phil. Guided: 04
- Ph.D. Theses Guided: 01
- Ph.D. Theses Submitted: 2
- Ph.D. Scholars presently working: 3

Member of the Acedima/Association/Society

- Life member of Ramanujan Mathematical Society, India..
- Life Member of Indian Society for Technical Education, New Delhi.
- Life member of Godavari Mathematical Sciences Society, Ahmedpur-413515, Maharashtra.
- Associate Member of Karnataka Science and Technology Academy, Department of Science & Technology, Government of Karnataka.

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