Faculty Details proforma for DU Web-site

(PLEASE FILL THIS IN AND Email it to websiteDU@du.ac.in)

Title		First Name		Last Name		Photograph
Designation	**Professor**					
Address	**109 Vaishali Pitampura Delhi – 110 088**					
Phone No Office	**+91 11 27667793**					
Residence						
Mobile						
Email	**trs@physics.du.ac.in**					
Web-Page	**people.du.ac.in/trs~**					

Educational Qualifications

Degree	Institution	Year
5 year integrated M.S (Physics)	**Indian Institute of Technology, Delhi**	**1983**
Ph. D	**Tata Institute of Fundamental Research, Mumbai**	**1989**

Career Profile

Post Doctoral Experience:

Institution	Position held	Name of the project
Physical Research Laboratory	Research Associate June1989-Oct 1990	Institute fellowship
Astronomy Centre, University of Sussex, UK	Nehru Centenary Fellowship	Common Wealth
Dept of Physics and Astrophysics, Univ of Delhi	Research Associate October1990 - Oct 1992	CSIR RA

Permanent Position Held:

Institution	Position Held	Period
Harish-Chandra Research Institute, Allahabad	Fellow (Faculty Position)	Nov 1992-Nov 1997
Harish-Chandra Research Institute, Allahabad	Reader	Nov. 97 – Dec 2001
Department of Physics and Astrophysics, University of Delhi, Delhi	Reader	Dec 2001 - Aug 2008
Department of Physics and Astrophysics, University of Delhi, Delhi	Professor	Aug 2008 – till date

Administrative Assignments

Coordinator IUCAA Centre for Astronomy Research and Development, Delhi University
Dean Research (Physical and Mathematical Sciences)

Areas of Interest / Specialization

Astrophysics and Cosmology.
Cosmic Microwave Background Radiation,
Large-scale Structures in the Universe,
Cosmic Reionization,
Late time Acceleration of the Universe.

Subjects Taught

Theory:
Classical Mechanics – M.Sc (Previous)
Quantum Mechanics-M.Sc (Previous)
Statistical Mechanics-M.Sc (Previous)
Astronomy and Astrophysics – I
General theory of relativity and Cosmology I
General Theory of Relativity and Cosmology II
Introductory Physics -M.Tech (Nanoscience and Nanotechnology)

Laboratory:
Waves and Optics – M.Sc (Previous)
Observational Astronomy M.Sc (final)
Computer Lab (Core)

Time table of the subjects taught during the current semester

S.No.	Subject	Days	Time	Classroom
1	Classical Mechanics	Thursday	10-11	DSKL
		Friday	10-11	DSKL
		Saturday	10-11	DSKL

Research Guidance

Research students: Completed: 6 Submitted 1 working presently: 4

Sr. No	Title of thesis	Date of Regd.	Status (awarded/ submitted/ ongoing	Name of the student
1	A Theoretical Study of Dark Energy Parameters in Cosmology.	25/09/2003	Awarded (Nov 2009)	Sanil Unnikrishnan
2	Nature of Clustering of Large scale structures	25-09-2003	awarded	Jaswant Kumar
3	Study of Light Curves of Some	24-04-2006	Awarded (July,	Sukanta Deb

	Variable Stars		2011)	
4	Cosmological models for accelerated expansion.	19.03.2008	Awarded.	Shruti Thakur
5	Probing Primordial Fields in the Universe	19-03- 2008	Awarded	Pranjal Trivedi
6	Cosmological magnetogenesis	27-10- 2009	Awarded	Kumar Atmjeet
7	Some aspects of cosmology in higher dimensions	27- 10- 2009	Awarded	Isha Pahwa
8	Cosmology and Astrophysics from Higher Dimensional theories	23-10- 2010	Awarded	Sampurnanand jha
9	Cosmic Reionization and its Observational Consequences	13-10-2011	Awarded	Bidisha Bandyopadhyay
10	Magnetic Fields and the Ionization History of the Universe	11-09-2014	submitted	Ramkishor Sharma
11	Astrophysical Magnetic Fields	05-01-2016	ongoing	Sunil Malik
12	Nature and Origin of Cosmological Magnetic Fields	06.01.2016	ongoing	Sandhya Jagannathan
13	Interface of High Energy and Cosmology	13.11.2017	On going	Manjeet Kaur
14	Investigation of the evolution of galactic dark clouds	15.3.2017	On going	Ekta Sharma
15	Carboneceous Aerosols in the Central Himalayas	24.04.2018	On going	Priyanka Srivastav

Publications Profile

Publications in the Last one year

Refereed Journal:

Generation of helical magnetic field in a viable scenario of inflationary magnetogenesis

Sharma, Ramkishor;, Subramanian, Kandaswamy; and **Seshadri, T. R.**

Phys. Rev. D 97, 083503 (2018)

Conference Organization/ Presentations (in the last three years)

Research Projects (Major Grants/Research Collaboration)

Sr. No.	Title of Project	Funding Agency	Status (completed)	Amount
1.	Cosmic microwave background radiation as a probe for large scale matter distribution and primordial magnetic fields in the universe	Department of Science and Technology (DST)	2005-2008	8 lakh
2.	Accelerated expansion of the Universe: Its origin and its observational consequences	Centre for Scientific and Industrial Research (CSIR)	Aug 2011-Jan 2015	9.28 Lakh sanctioned till now.
3	Magnetic Fields as Probes for Astrophysical Phenomena	SERB	March 2017 to March 2010	Appr. 25 Lakh

Programmes taken up involving inter-institutional collaboration:

Collaborations: Inter University Centre for Astronomy and Astrophysics (IUCAA), Pune

Centre for theoretical Physics, (CTP), Jamia Milia Islamia

Awards and Distinctions

Visiting Associate of IUCAA from 2002

Association With Professional Bodies

Other Activities

Signature of Faculty Member

- You are also requested to also give your complete resume as a DOC or PDF file to be attached as a link on your faculty page.