

MAGADH MAHILA COLLEGE
PATNA UNIVERSITY
(NAAC Reaccreditation Document 2018)
Appendix – 2: Teacher appraisal Reports



FOR SELF APPRAISAL OF TEACHERS

i) General Information

Name : **Dr. Priti Mishra**

Address (Residential) : Assistant Warden Flat, Vaidehi Hostel, Magadh Mahila
College, Gandhi Maidan, Patna-800001

E-Mail Id : preet.tifr@gmail.com

PAN No. : BKEPM3751P

Aadhar No. : 271034736551

Mobile No. : 8987316783

Phone No. : 8987316783

Date of Birth : 31/08/1989

Designation : **Assistant Professor**

Department : Physics

Date of Joining : 21/08/2017

Date of Conformation : Still in probation period which is for 2 yrs

Date of Promotion : **Not yet promoted**

Area of Specialization : Cosmology

A) Academic Qualifications

Exam Passed	Board/ University	Subjects	Year	Division/ Grade Merit etc.
High School	U.P. Board	Maths, Science, Social Science, Hindi, Sanskrit English	2003	67
Higher Secondary or Pre-degree	U.P. Board	Maths, Physics, Chemistry, General Hindi, English	2005	77
Bachelor's Degree (s)	Banaras Hindu University	Maths, Physics, Chemistry	2008	80
Master's Degree (s)	Tata Institute of Fundamental Research, Mumbai	Physics	2011	67
Research Degree (s)	Tata Institute of Fundamental Research, Mumbai	Cosmology	2014	
Other Diploma/ Certificates etc.	JRF/NET	Physical Sciences	June, 2014	

* Teachers already in employment at the time of introduction of the scheme and for new entrants at the time of joining of the institution

ii) Research Experience & Training

Research Stage	Title of work/Theses	University where the work was carried out
M. Phil or equivalent	----	
Ph.D.	MODIFIED GRAVITY MODELS AND INHOMOGENEOUS	Tata Institute of Fundamental Research, Mumbai

	MODELS AS ALTERNATIVES TO DARK MATTER AND DARK ENERGY	
Post- Doctoral	Black hole physics	Harishchandra Research Institute, Allahabad

Publications :

S.No	Title of the paper	Name of the author	Name of the journal	Year of publication	ISBN/ISSN no.
1	Curious case of gravitational lensing by binary black holes: A tale of two photon spheres, new relativistic images and caustics	Mandar P. Patil, <u>Priti Mishra</u> and D. Narasimha	Phys. Rev. D	2017	1550-2368 (online), 1550-7998 (print)
2	Thermodynamics and Lemaître-Tolman-Bondi void models	<u>Priti Mishra</u> and Tejinder P. Singh	Phys. Rev. D	2014	1550-2368 (online), 1550-7998 (print)
3	Fourth Order Gravity, Scalar-Tensor-Vector Gravity, and Galaxy Rotation Curves	<u>Priti Mishra</u> and Tejinder P. Singh	Phys. Rev. D	2013	1550-2368 (online), 1550-7998 (print)
4	Redshift-drift in axially symmetric quasi-spherical Szekeres models	<u>Priti Mishra</u> , Marie-Noëlle Célérier and Tejinder P. Singh	Phys. Rev. D	2012	1550-2368 (online), 1550-7998 (print)
5	Modified Gravity as a Common Cause for Cosmic Accelera-	<u>Priti Mishra</u> and Tejinder P. Singh	Int. J. Mod. Phys. D	2012	1739-6594 (online), 0218-2718 (print)

	tion and Flat Galaxy Rotation Curves				
6	Galaxy rotation curves from a fourth order gravity	<u>Priti Mishra</u> and Tejinder P. Singh	J. Phys. Conf. Series. [Proceedings of the Seventh International Conference on Gravi- tation and Cosmology, 2011, Goa]	2014	1742-6596 (online), 1742-6588 (print)
7	Redshift-drift as a test for discriminating between decelerating inhomogeneous and accelerating universe models	<u>Priti Mishra</u> , Marie-Noëlle Célérier, Tejinder P. Singh	the Proceedings of the Thirteenth Marcel Grossmann meeting, 2012, Stockholm, Sweden, pp. 1590-1592	2012	978-981-4612-14-2 (hardcover), 978-981-4630-00-9 (ebook)
8	Fully Characterizing Axially Symmetric Szekeres Models With Three Data Sets	Marie-Noëlle Célérier, <u>Priti Mishra</u> , Tejinder P. Singh	the Proceedings of the Thirteenth Marcel Grossmann meeting, 2012, Stockholm, Sweden, pp. 1590-1592	2012	978-981-4612-14-2 (hardcover), 978-981-4630-00-9 (ebook)
Research Guidance (give names of students guided successfully)		NA		NA	

Training (please specify)	Attended UGC sponsored 78 th Orientation Programme, Academic Staff College, Patna	

B) Research Projects carried out : NA

Title of the Project	Name of the funding Agency	Duration	Remarks

C) Seminars, Conferences, Symposia Workshops etc. attended
[Please enter the latest ones at the top- chronologically in descending order]

Sl. No	Name of the Seminar/Conference/ Symposia Workshop, etc.	Name of the Sponsoring Agency	Place and Date
1.	35th Meeting of Astronomical Society of India	Astronomical Society of India	6 - 10 March 2017, Jaipur, India
2	One Day Conference on Recent Trends in Physics	Banaras Hindu University	20th February, 2016, Banaras Hindu University, Varanasi, India.
3	Current Trends in Physics	Banaras Hindu University	21st-22nd January, 2016, Banaras Hindu University, Varanasi, India.
4	Summer School on Numerical Relativity	International Center for Theoretical Sciences	9th-21st June, 2013, International Center for Theoretical Sciences, Bangalore, India.
5	27th Indian Association of General Relativity and Gravitation	Indian Association of General Relativity and Gravitation	7th-9th March, 2013, Srinagar, Garhwal, India.

6	Thirteenth Marcel Grossmann meeting	ICRA	1st-7th July, 2012, Stockholm, Sweden.
7	Summer school on Cosmology	Abdus Salam International Center for Theoretical Physics	16th-27th July, 2012, ICTP, Trieste, Italy.
8	Seventh International Conference on Gravitation and Cosmology	ICTS and IAGRG	14th-19th December, 2011, Goa, India.
9	School on Cosmology and Gravitational Waves	ICTS	1st-11th December, 2011, Inter-University Center for Astronomy and Astrophysics, Pune, India.
10	Primordial Features and Non-Gaussianity	HRI	14th-18th December, 2010, Harishchandra Research Institute, Allahabad, India.
11	Cosmology Rapid Response Meeting	ICTS	6th-8th April 2010, Tata Institute of Fundamental Research, Mumbai, India.

iii) Teaching Experience

Courses Taught	Name of the University / College / Institution	Duration
iv) U.G. (B.A. /B.Sc., etc. Pass) (B.A. / B.Sc. / etc. Hons.)	Magadh Mahila College, Patna	6 months (Since 21/08/2017)

v) P.G. (M.A. /M.Sc., etc.)	NA	
vi) M. Phil		
vii) Any other	I was grader for the course “General Relativity and Cosmology“ in the semester Feb-April, 2013 of Tata Institute of Fundamental Research, India. The course was for Masters and Ph.D students.	1 semester

Total Teaching Experience :

- a) Under-graduate (Pass) : 6 months
- b) Under- graduate (Hons) : 6 months
- c) Post-graduate : NA

viii) Innovations/Contributions in Teaching :

- a) Design of Curriculum : NIL
- b) Teaching methods : NIL
- c) Laboratory experiments :
- d) Evaluation methods :
- e) Preparation of resource material
- f) Remedial Teaching/ Student Counseling (academic) :
- g) Any Other :

Extension Work/Community Service:

- a) Please give a short account of your contribution to:
 - i) Community Work
such as values of National Integration,
secularism, democracy socialism, humanism, peace,
scientific temper, flood or drought relief, small family norms etc.

When I was in TIFR, I used to teach some children in a slum named Geetanagar.

ii) **National Literacy Mission** : NIL

b) Positions held/Leadership role played in organizations linked with Extension Work and National Service Scheme (NSS), or NCC or any other similar activity:

D. Participation in Corporate Life : NIL

Please give a short account of your contribution to :

a) College/University/ Institution :

b) Co-curricular Activities :

c) Enrichment of Campus Life :

d) Membership /Participation in Bodies/ Committees:

e) Professional Organization of Teachers. :

E. (a) Membership of Professional Bodies, Societies etc. : NIL

(b) Editorship of Journals :

F. Any other information :

A handwritten signature in black ink that reads "Priti". The signature is written in a cursive style and is underlined with a single horizontal stroke.

(Signature of the Teacher)