



JSS MAHAVIDYAPEETHA

# JSS ACADEMY OF TECHNICAL EDUCATION

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## Name of the Department: Engineering Physics

1. **NAME** : Dr.SHARANABASAPPA
2. **Designation** : **Asst.Professor**
3. **Name of the Dept.** :**PHYSICS**
4. **Date of joining the Institution:****10-08-2010**
5. **Date of Birth** : 11-07-1980
6. **Father's Name** : NEELKANTHRAO
7. **Sex** : Male
8. **Nationality** : INDIAN
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BENGALURU 560060.

**a. Permanent Address** : NO.37 JGRUTI COLONY RING ROAD KALABURGI  
KALABURGI-585105

11. **Employment Type** : Permanent

12. **Educational Qualifications** : **MS.c Ph.D.**,  
(In reverse Chronological Order)

Sl. No.	Degree	Branch	Specialization	Year of passing	University
1	Ph,D	Physics	Radiation Physics	June 2012	Gulbarga University
2	M.Sc.	Physics	Nuclear Physics	June 2007	
3	B.Sc.	Physics	PCM	April 2004	Bangalore University

**13. Service / Experience Details : 9 years**  
(In reverse Chronological Order)

**a. Teaching Experience:**

Sl. No	From (mm/yy)	To (mm/yy)	No. of years	Degree or Diploma Institution	Designation	Name of the Institute
1	8/2010	Till date	5.4	Degree	Assistant Professor	JSSATE, Bengaluru.
2	7/2009	7/2010	1	Degree	Assistant Professor	TOCE, Bengaluru.
<b>Total Experience</b>			<b>6.4 Years</b>			

**b. Industrial Experience:**

Sl. NO	From	To	No. of years	Designation	Name of the Company
1					

**14. Membership in various University Boards / Committees / Other (Specify):**

Sl. No.	Body	From	To	Name of the University / Institution / Organisation
1	Board of Examiners			
2	Board of Studies			
3	Academic Senate			
4	Executive Council			
5	LIC MPCC			

- 15. Awards : Received “Young scientist Award” by Swadeshi Vijnana Andolana.
- Received best oral paper presentation award at NSRP-18 Mahabalipuram, Chennai 12-14 December, 2012.

16. Details of Books published :

17. Number of Ph.D. Guidance : Number of Ph.D's awarded - 00

: Number of Ph.D.'s guiding - 01

18. Field of Expertise / Interest : Radiation Physics, Nuclear Physics

19. Patents : 02

20. Projects

Sl. No.	Name of the project	Principal Investigator / Co-Investigato	Amount sanctioned From	Amount	Date of start of the project	Date of completion of the project	Outcome of the project
1	Resonance scattering of x-ray near absorption edges	JRF	BRNS	25 Lakhs	2007	2009	
2							
3							
4							

15. Details of Publications:

Google scholar link: <https://scholar.google.co.in/citations?user=depHTngAAAAJ&hl=en>

Citation Indices	All	Since 2010
Citations	33	21
h-Index	3	3
i10-Index	1	1

a.Journals: International

Sl. No.	Name of Co-Author	Title of Paper	Name of the Journal	Publisher	Publication citation ISSN, ISBN, Vol. No., Issue, pp
1	<b>B R KERUR</b>	Study of Non Validity of Mixture rule near K absorption edges by X-ray Spectrometric Technique	Journal of Radio analytical and Nuclear Chemistry. (2012)	Springer	291:895–900 DOI 10.1007/s10967 Impact factor:1.034
2	<b>B R KERUR</b>	Determination of x-ray Mass Attenuation Coefficients using HPGe Detector	Applied Radiation and Isotopes.	Elsevier	68 (2010) 76-83 Impact factor:1.136

<b>3</b>	<b>B R KERUR</b>	Mass Attenuation Coefficient of Chromium and Manganese Compounds around Absorption Edge.	Journal of X-Ray Science and Technology 17 (2009) 75-84.	IOS	17 (2009) 75-84 Impact factor:1.111
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**b. Journals: National**

<b>Sl. No</b>	<b>Name of Co-Author</b>	<b>Title of Paper</b>	<b>Name of the Journal</b>	<b>Publisher</b>	<b>Publication citation ISSN, ISBN, Vol. No., Issue, pp</b>
1	<b>B R KERUR</b>	Radioactivity levels in rocks of North Karnataka, India	Indian Journal of Pure and Applied Physics	IJP	Vol.48 November 2012,pp.809-812. Impact factor:0.739
2	<b>B R KERUR</b>	Effect of EXAFS on the dosimetric related parameters	Journal of Natural science.		Vol.3, No.5, 414-418 (2011)
3	<b>B R KERUR</b>	Effective atomic numbers and electron density of dosimetric material	Journal of Medical Physics,.	ICMP	Vol. 34, No. 3, (ICMP 2008 Special Issue) 2009,176-179 Impact factor:0.98

c. Confirences: International

<b>Sl. No</b>	<b>Name of Co-Author</b>	<b>Title of Paper</b>	<b>Name of the Conference</b>	<b>Publisher</b>	<b>Publication citation ISSN, ISBN, Vol. No., Issue, pp</b>
1	<b>B R KERUR</b>	Post edge structure effects on mass attenuation coefficients.	European Conference on X-Ray spectrometry.	XAFS	16-20 June 2008, Cavtat, Dubrovnik, Croatia
2	<b>B R KERUR</b>	Effective atomic numbers and electron density of dosimetric material	International Conference on Medical Physics.	ICMP	Multi Purpose Hall, BARC, Anushaktinagar, Mumbai-400094. November 26-29, 2008.

d. National conferences / workshops

Sl. No	Name of Co-Author	Title of Paper	Name of the Conference	Publisher	Publication citation ISSN, ISBN, Vol. No., Issue, pp
1	<b>B R KERUR</b>	Elemental contents in Ayurvedic medicinal plants Using AAS Technique	NSI-39	Instrumentation Society	Oct 15-17 2014 Haridwar
2	<b>B R KERUR</b>	Study of Braggs Additivity Law Near L Absorption Edge	18 <sup>th</sup> National Symposium on Radiation Physics (NSRP-18).	NSRP	Mahabalipuram, Chennai 12-14 December, 2012.
3	<b>B R KERUR</b>	.Attende 32 <sup>nd</sup> Annual conference of the Association of Medical Physicists in India.			During 16-19 November 2011, Vellore.
4	<b>B R KERUR</b>	Participeted in National seminar on Radiation Physics organized by dept.of Physics			Gulbarga University Gulbarga. During March 17-18,2011.
5	<b>B R KERUR</b>	Studies on Mixture rule and its uses.	6 <sup>th</sup> Kannada		15-17 September 2010. Bangalore.

			Vijnana Sammelana		
6	<b>B R KERUR</b>	Studies on Mass Attenuation Coefficients of x-rays in Chemical Compounds	5 <sup>th</sup> Kannada Vijnana Sammelana		15-17 September 2009. Mangalore University Mangalore.
7	<b>B R KERUR</b>	Study of Braggs Additivity Law Near L Absorption Edge.	NSRP		18 <sup>th</sup> National Symposium on Radiation Physics (NSRP-18). Department of Physics, M. L. Sukhadia University, Udaipur. November 19-21, 2009.
8	<b>B R KERUR</b>	Study of x-ray Mass Attenuation Coefficients using HPGe Detector	YASHADA		Tromby Symposium on Radiation & Photochemistry. YASHADA, Pune, January 7-11, 2008.