

Name: **Mr. Kore Ekanath Khandu**

Subject: Physics
Date of Birth: 01/06/1968
Date of Appointment: 07/09/1992
Academic Qualification: M.Sc.
Recognition: P.G. Teacher, (SUS/BCUD/PGBUTR/2014-15/1318)
No. of Candidates: Registered for Ph.D. **00** **Ph.D. Awarded: 00**

1. Academic Qualification:

Degree	University	Year of Passing	Class
Ph.D.	Solapur University, Kolhapur	Pursuing	-
M. Sc.	Shivaji University, Kolhapur	1992	B+
B. Sc.	Shivaji University, Kolhapur	1989	Second Class with Hons.
Diploma in Computer Science	Shivaji University, Kolhapur	1990	First Class

2. Orientation/ Refresher Course:

Sr. No	Year	Duration	Place
1	1996	29-02-1996 - 27-03-1996 (28 days)	ASC, pune (OC).
2	2012	08-10-2012 - 28-10-2012 (21 days)	Pune University, Pune (RC 1).
3	2014	27-10-2014 - 16-11-2014 (21 days)	Pune University, Pune (RC 2).
4	2015	02-07-2015- 22-07-2015 (21 days)	HRDC- ASC, SPPU, PUNE (RC 3)

3. Attended - Workshop/Conference/Seminar/Symposia/Congress: 20

Sr. No.	Year	Level	Venue	Theme
1	23 rd Jan. 2004	Regional Syllabus discussion	K B P Mahavidyalaya, Pandharpur	Discussion on Draft Syllabus of B. Sc. II and UGC model curriculum

2	17 th to 19 th Dec. 2004	State Seminar	DBF Dayanand College of Arts & Science Solapur	Probes & Sensors of Physics and Electronics in New Millennium
3	10 th to 12 th September, 2009	Regional Workshop	C. B. Khedgi's College, Akkalkot. Dist. Solapur [Maharashtra]	REGIONAL LECTURE WORKSHOP ON FRONTIERS IN ASTRONOMY AND CHARACTERIZATION OF NEW MATERIALS"
4	12 th Sept 2009	Regional Seminar	C. B. Khedgi's College, Akkalkot. Dist. Solapur [Maharashtra]	Characterization of New Materials with sub theme Innovative teaching methods"
5	29-30, Jan. 2010	National Conference	DBF Dayanand College of Arts & Science Solapur.	Biodiversity and Conservation of Nature and Natural Resources
6	5-6, Feb. 2010	National Seminar	DBF Dayanand College of Arts & Science Solapur.	Recent Advances in Helio Physics
7	21,22 Jan. 2011	National Conference	DBF Dayanand College of Arts & Science Solapur.	Advanced Nanomaterials, Sensors and Instrumentation
8	24-25 Jan 2011	National Seminar	College of Arts & Science Solapur.	Bio-Resources for Bio-Industries and Economic Zoology
9	3-4 Oct. 2011	National Seminar	K. B. P. Mahavidyalaya Pandharpur	Nanostructured Materials for Advanced Technology
10	17 th & 18 th Sept, 2012	National Seminar	Dept of Chemistry K. B. P. Mahavidyalaya Pandharpur	Advanced Synthesis of Nanomaterials And Their Applications
11	7 th Oct. 2012	Regional Workshop	D. B. F. Dayanand College of Arts & Science, Solapur	One Day Workshop on Syllabus Discussion at B. Sc. III (Sem Pattern)
12	2-4 th Nov 2012	International Conference	Solapur University, Solapur	Emerging Trends in Chemical Sciences
13	14 th & 15 th Dec. 2012	National Conference	Dept of Physics D. B. F. Dayanand College of Arts & Science, Solapur	Physics of Nanomaterials & Applications
14	13 th Jan. 2013	Regional Workshop	K. B. P. Mahavidyalaya Pandharpur	Workshop on New Syllabus of B. Sc. I & B. Sc. III
15	31 st Jan. & 1 st Feb. 2013	National Conference	D. B. F. Dayanand College of Arts & Science, Solapur	Recent Trends in Emerging Infectious Diseases and Environmental Pollution
16	18-20 Apr. 2013	National Conference	Dept of Physical Science, Solapur University, Solapur	RECENT TRENDS & TECHNOLOGY OF NANOMATERIALS & SMART DEVICES
17	24,25 July 2013	International Workshop	Material research society of India	International Workshop on Nanotechnology & Advanced Functional Materials
18	18,19 Dec. 2013	National Conference	C. B. Khedgi's College, Akkalkot.	PHYSICS & CHEMISTRY of ADVANCED MATERIALS
19	22,23 Feb. 2014	National Conference	D. B. F. Dayanand College of Arts & Science, Solapur	Advanced Research Trends in Chemistry

20	1 st Mar. 2014	Regional Workshop	S. M. Mahavidyalaya, Akluj	Workshop on New Syllabus of B. Sc. II Physics
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4. Presented paper – Workshop /Conference /Seminar /Symposia / Congress: 05

Sr.No.	Year	Level	Venue	Title of the paper
1	9-11 Mar 2015	International Conference	KBP Mahavidyalaya, Phadharpur	Investigations on Superparamagnetic Cobalt Ferrite Nanoparticles.
2	21 Jan 2017	National Seminar	Vidnyan Mahavidyalaya, Sangola	Synthesis and Characterization of Fe ₃ O ₄ Nanoparticles for ferrofluid Application
3	7,8 Dec 2016	International Conference	Raje Ramrao Mahavidyalays, Jath	Structural and Magnetic Properties of Fe _{0.5} Mn _{0.5} Fe ₂ O ₄ Ferrite Nanoparticles
4	30 April 2017	National Conference	DBF Dayanand College of Arts & Science, Solapur	Low Temperature Synthesis of Fe ₃ O ₄ Nanoparticles for ferrofluid Application
5	22-23 Dec 2017	International Conference	Raje Ramrao Mahavidyalays, Jath	Synthesis and Characterization of Fe ₃ O ₄ Nanoparticles

5. Publication of Research paper in International /National Journals: 02

Sr. No.	Year	Title of the paper
1	2014	SYNTHESIS AND CHARACTERIZATION OF α -Fe ₂ O ₃ NANOPARTICLES AND THIN FILMS Kore E K, Dhumal J G, Zipare K V and Shahane G S DAV International Journal of Science Volume 4 Issue -1 2014 ISSN: 2277-5536 (Print; 227-5641 (Online))
2	11,12 Jan 2018	Antibacterial Activity of Chemically Synthesized Fe ₃ O ₄ Nanoparticles E. K. Kore, S. N. Deshpande, G. S. Shahane Contemporary Research in India ISSN 2231-2137 Special Issue : Volume – IV UGC APPROVED JOURNAL NO. 62441 Impact Factor 0.956 (GIF)

No. of research paper published	Total Impact Factor	Citation index	h index	i10 index	SNIP	SJR
1						

6. Research Project: 01

Name of Scheme	Purpose	File No.	Grant allocated	Grant received	Grant utilized till	Remarks, if any
Development and Characterization of Co-Zn ferrite nanoparticles for ferrofluids application	Minor Research project	File No.47-455/12 (WRO) dated 05 Mar 2013	1,45,000/-	1,27,500/-	1,51,223/-	Completed Certificate pending

7. Research students working for Ph.D- (00)

Sr. No	Name of the student	Title of the Research	Registration No.	Year of Reg.
1				
2		NIL		
3				
4				

7. Academic Bodies:

1. NIL

07. Books Published:

Sr. No.	Name of Book	Pages	ISBN	Year	Publisher
1	Classical Mechanics B. Sc. III Sem V	118	978-93-5164-757-7	Sept-2015	Nirali Prakashan, Pune
2	Classical Mechanics B. Sc. III Sem V	128	978-93-88194-39-6	July.2018	Nirali Prakashan, Pune
3	Electrodynamics B. Sc. III Sem VI	152	978-93-5164-963-2	Jan-2016	Nirali Prakashan,

					Pune
4	Atomic Molecular Physics and Quantum Mechanics B. Sc. III Sem VI	158	978-93-5164-965-6	Jan-2016	Nirali Prakashan, Pune

08. Membership:

National

- ✓ Life Member(L 3960): Indian Association of Physics Teachers
- ✓ Life Member(NN 118): Nanoscience & Nanotechnology Society (Reg. No. KTM/TC/275/2015), Kottayam, Kerala, India.
- ✓ Life member of Indian Science Congress

09. Awards & Prizes:

- Letter of Appreciation by DAYANAND INSTITUTIONS, SOLAPUR
- Second prize in AVISHKAR research competition 2016
- Second prize in AVISHKAR research competition 2017 Avishkar
- Secured Best Poster presentation award in second international conference on Advances in Materials Science held during the period 22nd – 23rd Dec. 2017 at Rajeramrao Mahavdylaya Jath.

10. Worked As

1. Contributory Faculty for teaching Quantum mechanics at Solapur University, Solapur (2011-12, 2012-13,2013-14)
2. Examiner at cap between 01/04/2016 to 10/04/2016
3. Practical examiner at B. Sc. I in sangameshwar college between 01/03/2016 to 11/03/2016
4. Prepared meteorology practical program on 23/03/2017
5. Paper setter at B. Sc. III Electrodynamics CGPA on 30/01/2017
6. Subcommittee member for syllabus of B. Sc. II Meteorology on 11/01/2017
7. Paper setter at B. Sc. I Physics Sem I On 26/08/2016
8. External senior supervisor at Vasundahara college , solapur between 18/11/2016 to 02/12/2016
9. Subcommittee member for syllabus at B. Sc. III Sem V and VI CBCS Pattern on 28/05/2018
10. Practical setting for meteorology on 09/04/2015
11. Chairman for paper setting at B. Sc. II Sem IV Subject Meteorology – Meteorological instruments 07/02/2018
12. Worked as internal senior supervisor between 24/10/2017 to 07/11/2017
13. Worked as a vice chancellor nominated **Subject Expert Member** in Physics at S. B. P. College, Mandrup, Solapur on 12/10/2017.
14. Worked as paper setter in physics at B. Sc. III Sem V on 10/08/2018
15. Chairman for paper setting at B. Sc. II Sem III Subject Meteorology on 14/08/2018
16. **CAP coordinator** at DBF Dayanand College of Arts & Science, Solapur during the period 29th Oct 2018 to 26th Nov 2018.

11. Extra Curricular Activity:

- Obtained the results on a computer system, from the survey of “Universal Immunization Programme” conducted by the department of Social Medicine Govt., Medical College, Miraj.
- Worked as Examiner for High School Level Science Exhibition.
- Worked as a Polling Officer Solapur Muncipal Corporation Election on 1/2/2007.

12. Declaration:

I hereby declare that all the statements made are true to the best of my knowledge and belief. I am aware that I will be responsible for any information given above is incomplete or incorrect.

Date: 25/11/2018

Place: Solapur

(Mr. E. K. Kore)