

MANDATORY DISCLOSURE OF INFORMATION

Note: Mandatory disclosure of information about accredited programmes by institutions to be included in their respective information brochure, displayed on their website and to be submitted to NBA every year well before the admission process

Department of Physics

No. of Faculty Members : 07

Cadre	Required as per AICTE	Existing			
		Permanent	Temporary	Guest	TOTAL
Professor	06	-			-
Asst. Professor		1			1
Lecturer		6			6

Faculty Profile (Summary) :

Qualification	No. of Faculty		
	Completed	Pursuing	Total
PhD	02		02
Post Graduate	05		05
Under Graduate			-

Experience of Faculty :

Experience	No. of Faculty
Less than 5 Years	6
5 to 10 Years	1
More than 10 Years	-

Details of individual Faculty members

: Available at the end of this report- Annexure-A.

Industrial Consultancy, Research and Development (during the past 5 years):

Description of the Activity	Year (20xx)						Year (
	07-08	06-07	05-06	04-05	3-04	02-03	
Amount earned through Industrial Consultancy (in lakhs of Rupees)	-	-	-	0.04			
No. of sponsored research projects completed	-	-	-	-	-	-	
No. of patents produced	-	-	-	-	-	-	
No. of sponsored research projects in progress	-	-	-	-	-	-	
No. of papers published in International journals		8	6	-	1	1	
No. of papers published in National journals	-		1				
No. of papers presented in International Conferences / Seminars	2	2	1	3	-	-	
No. of papers presented in National Conferences /seminars	1	-	-	8	2	-	
No. of International Conferences conducted	-	-	-	-	-	--	
No. of National Conferences conducted	-	-	-	-	-	-	
No. of Training Programmes / Short Term Courses conducted	-	2	-	-	-	-	

Budget Allocation for the Programme (in Rs.)

:

Year	Budget Allocation			
	Recurring		Non Recurring	
	Allocated	Spent	Allocated	Spent
2007-08	Rs 10,000.00	Rs 2,172.50	Rs 30,000.00	NIL
2006-07	Rs 10,000.00	Rs 6,400.00	Rs 90,000.00	Rs 81,942.00
2005-06	Rs 15,000.00	Rs 14,288.00	Rs 84,375.00	Rs 50,133.00
2004-05	Rs 9800.00	Rs 18369.00	Rs 56,200.00	Rs 35,325.00
2003-04	Rs 3000.00	Rs 7829.00	Rs 22,000.00	Rs 000.00
2002-03	Rs 5,000.00	Rs 11,808.00	Rs 25,000.00	Rs18,858.00

New initiatives and future vision, if any :

SL.No	New initiatives /Plan / Vision	Milestones Planned
1	Seminars by the students on cutting edge technology to enlighten them on the basics of Physics.	To excel in teaching and carry on with research.
2	Students are made to ask questions on different topics so as to initiate thinking power in them	
3	Continuous evaluation system is adopted through Quizzes, assignments and mid term exams.	



Faculty Name : Dr. Kumar I Maddani.

Date of Birth : 11- 07 - 1972.

Education Qualification : Ph. D.

Degree	Degree Title	University/College Details	Grade Obtained	Remarks if any
Under Graduate	B.Sc.	Karnatak University	I	-
Post Graduate	M.Sc.	Karnatak University	I	-
PhD	Physics	Karnatak University	Awarded	-
Others if any	P.G.D.C.A.	Karnatak University	I	-

Work Experience : 9 years

Nature	No. of Years	Remarks if any
Teaching	Nine	-
Research	Six	-

Area of Specialization : Solid State Electronics

Sl. No	Area of Specialization
1	Solid state electronics (Doped Metal Oxide thin films – Properties and Applications)

Subjects Handling :

Sl. No	Name of the Subject Handling Currently
1	Engineering Physics Theory
2	Engineering Physics Practicals

Sl. No	Description of Research work
1	Electrical and Optical properties of some metal oxide thin films and E-beam Radiation Effects on thin films.

Papers Published in National/International Journals:

Sl. No	Details of Papers Presented
1	Electron beam radiation effects on electrical and optical properties of pure and Aluminium doped tin oxide films, Nuclear Instruments and Methods in Physics Research Section B, Vol. 258, Issue 2, p. 369-374 (May-2007).
2	Influence of Zn doping on electrical and optical properties in multilayered tin oxide thin films, Bulletin of Materials Science, Vol-29, Issue 3, p. 331-337 (June 2006).

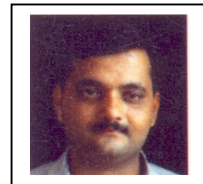
Papers Presented in National/International Conferences:

Sl. No	Details of Papers Presented
1	Electron beam radiation effects on electrical and optical characteristics of Sb, Zn, Al doped tin oxide films, XIII IWPSD, 2005, Vol II, p. 1572-1575
2	Effects of Electron beam radiation on Sb doped tin oxide films, National Seminar on Science and Technology of thin films, (2004) Vol 1, p. 136-138

Workshop attended:

- 1) International Workshop on “**Physics of Semiconductor Devices**”, (IWPSD-2005) held at New Delhi.
- 2) National seminar on “**Science and Technology of thin films**” held at Lathore.
- 3) Workshop on “**Research Methodology**”, held at Karnatak University, Dharwad.
- 4) Workshop on “**Astrophysics and Space Research**”, held at Karnatak University, Dharwad
- 5) National Seminar on “**Digital Signal Processing**”, held at Karnatak University, Dharwad

Faculty Name : Gururaj A. Kulkarni



Date of Birth : 17- 05 - 72

Education Qualification : M.Sc.

Degree	Degree Title	University/College Details	Grade Obtained	Remarks if any
Under Graduate	B.Sc.	Karnatak University	I	-
Post Graduate	M.Sc.	Karnatak University	I	-
PhD	-	Indian Institute of Science	Pursuing	-
Others if any	P.G.D.C.A.	Karnatak University	I	-

Work Experience : 13 years

Nature	No. of Years	Remarks if any
Teaching	13	-
Research	Four and half	-

Area of Specialization : Physics

Sl. No	Area of Specialization
1	Physics

Subjects Handling :

Sl. No	Name of the Subject Handling Currently
1	Engineering Physics Theory
2	Engineering Physics Practicals

Sl. No	Description of Research work
1	Semiconductor Physics

Papers Presented : List enclosed

Sl. No	Details of Papers Presented
1	List enclosed

Training Programme Undergone : List enclosed

Sl. No	Details of training Programme undergone.
1	List enclosed

International Conferences attended to present papers (oral/poster).

- 1) Quality assessment of CdZnTe (Zn ~ 4 %) crystals, Gururaj A.Kulkarni, K.S.R.K. Rao, R.Raman, Akhilesh Pandey, R.K.Sharma, A.K.Garg, Meenakshi Srivastava, XIV IWPSD, IIT Bombay, India, December 17 - 20, 2007.
- 2) Magnetotransport studies in hydrogenated and annealed HgCdTe thin films, .Murthy O.V.S.N, Gururaj A.Kulkarni, V. Venkataraman, S. Sitharaman, XIV IWPSD, IIT Bombay, India, December 17 - 20, 2007.
- 3) IR absorption behavior in CdTe, CdZnTe (Zn ~ 4 %) crystals, Gururaj A.Kulkarni, K.S.R.K Rao, A.K.Garg, Meenakshi Srivastava, R.Raman, F. Joseph Kumar, N.H. Ayachit, ISRS, IIT Madras, India, December 18 - 20, 2006.
- 4) Quantification of tellurium precipitates in CdTe and CdZnTe (Zn ~ 4 %) crystals, Gururaj A.Kulkarni, K.S.R.K Rao, D.V.S. Muthu, A.K.Sood, A.K. Garg, R.K. Sharma, Meenakshi Srivastava, F. Joseph Kumar, VIII International Conference on Optoelectronics, Fiber Optics and PHOTONICS conference, University of Hyderabad, India, December 12 - 16, 2006.
- 5) A comparative study of CdTe, CdZnTe (Zn ~ 4 %) and the assessment of their crystalline quality by Photoluminescence, Gururaj A.Kulkarni, K.S.R.K Rao, R.K.Sharma, XIII IWPSD, NPL Delhi, India, December 13 - 17, 2005.

Work shops attended/ Training Programme undergone

- 1) Workshop on ENGINEERING PEDAGOGY, 2004, I.I.Sc., Bangalore.
- 2) One day workshop on Relative Grading System, organized by SDMCET Dharwad on 24th March 2008.
- 3) Two day work shop on Interpersonal, Assertive skills, Positive attitude, Professional and Personal ethics.
- 4) Details of the course work taken during Research Training Programme at I.I.Sc., Bangalore;
 - (a) Concepts in Material Science I
 - (b) Crystal growth and Characterization
 - (c) Analog, digital and microprocessor electronics
 - (d) Semiconductor Physics and Technology



Faculty Name : M.N. Kalasad

Date of Birth : 01- 02- 76

Education Qualification : M.Sc.

Degree	Degree Title	University/College Details	Grade Obtained	Remarks if any
Under Graduate	B.Sc	Karnatak University	II	-
Post Graduate	M.Sc	- Do-	I	-
PhD		- Do-	- Pursuing	-

Work Experience : 6 years

Nature	No. of Years	Remarks if any
Teaching	6	-
Research	Four and half	-

Area of Specialization : Solid State Physics

Sl. No	Area of Specialization
1	Solid State Physics

Subjects Handling :

Sl. No	Name of the Subject Handling Currently
1	Engineering Physics Theory
2	Engineering Physics Practicals

Sl. No	Description of Research work
1	"Semiconductor Nanoparticles"

Research Publications :-

Sl. No	Details of Research Publications
1	Synthesis and Characterization of Polyaniline Rubber Composites (Communicated to Composite Science and Technology)
2	Temporal Evolution of Capped CdS Nanoparticles (Communicated to Semiconductor Science and Technology).
3	Synthesis and Characterization of Silver Nanoparticles (Communicated to J Phys D: Applied Physics).

Faculty Name : MEERA. M. DIXIT

Date of Birth : 11-12-1979

Education Qualification: M.Sc.



Degree	Degree Title	University/College Details	Grade Obtained	Remarks if any
Under Graduate	B.Sc	Karnatak University	I	-
Post Graduate	M.Sc	- Do-	I	-

Work Experience : 4 years

Nature	No. of Years	Remarks if any
Teaching	4 years	-

Area of Specialization : Solid State Physics

Sl. No	Area of Specialization
1	Solid State Physics

Subjects Handling :

Sl. No	Name of the Subject Handling Currently
1	Engineering Physics Theory
2	Engineering Physics Practicals

Name : Praveen N. Vaidya

Date of Birth : 10-07-1970

Education Qualification : M.Sc., M.B.A.



Degree	Degree Title	University/College Details	Grade Obtained	Remarks if any
Post Graduate	M.Sc	Karnatak University	I class	-
Post Graduate	M.B.A	KSOU MYSORE	II class	

Work Experience : 13 years

Nature	No. of Years	Remarks if any
Teaching	13	Additional experience in teaching management

Area of Specialization : Physics

Sl. No	Area of Specialization
1	Physics, H.R.M.

Subjects Handling :

Sl. No	Name of the Subject Handling Currently
1	Engineering Physics Theory
2	Engineering Physics Practicals

Naional seminar participated:

Sl. No	DetailsL:
1	Attended UGC sponsored National seminar on physics, organized by The St. Joseph's College, Bangalore – 5 th Octeber 2005.
2	One day workshop on Relative Grading System, organized by SDMCET Dharwad on 24 th March 2008.



Faculty Name : Raghavendra P.V.

Date of Birth : 12-04-1984

Education Qualification : M.Sc.,

Degree	Degree Title	University/College Details	Grade Obtained	Remarks if any
Under Graduate	B.Sc	Kuvempu University	I	-
Post Graduate	M.Sc	Kuvempu University	I	-
M.Phil.	-	Vinayaka Missions University	Pursuing	-

Work Experience : 2 Years

Nature	No. of Years	Remarks if any
Teaching	2	-

Area of Specialization : Physics

Sl. No	Area of Specialization
1	Physics

Subjects Handling :

Sl. No	Name of the Subject Handling Currently
1	Engineering Physics Theory
2	Engineering Physics Practicals

Work shops attended:

Sl. No	Details of Work shops attended.
1	Two day workshop on "Frontier Areas of Physics", held at Dept of Physics, Kuvempu University.
2	One day workshop on "Recent Trends in Electronic Instrumentation", held at Dept of Electronics, Kuvempu University.

Faculty Name : N.M.Shetty.

Date of Birth : 19.12.1956

Education Qualification : MSc, PhD.

Degree	Degree Title	University/College Details	Grade Obtained	Remarks if any
Under Graduate	M Sc.			
Post Graduate	M.Sc			
M.Phil.	-			

Work Experience :	No. of Years	Remarks if any
Teaching		

Area of Specialization : Physics

Sl. No	Area of Specialization
1	

Subjects Handling :

Sl. No	Name of the Subject Handling Currently
1	
2	

Work shops attended:

Sl. No	Details of Work shops attended.
1	
2	

Sl. No	Infrastructure	Area in Sq. mts.
1	Laboratories	191.32
2	HOD Room.	7.66
3	Faculty Room	9.84

Annexure-D: List of Major Equipments/Computers / Software

Sl. No	Details of the Equipment / Computers / Software ****	Cost in Rs per Item	Qty	Total Cost in Rs.	Usage
1	Optical Bench	28070.00	2	56140.00	To conduct the Practical for I/II semester
2	Computers (i) HP (ii) Samsung	53,582.00 40,000.00	1 1	53,582.00 40,000.00	For Research and academic work
3	B - H Curve Unit	25246.00	2	51492.00	To conduct the Practical for I/II semester
4	LCD Projector	53,535.00	1	53,535.00	For Presentations

**** Complete Specification of the equipment to be included.