



BHARATHIARUNIVERSITY COIMBATORE – 641 046



Format for 28th Annual Report Data for University Departments
for the year 2009 (from 01.01.2009 to 31.12.2009)

1. Department Details:

Name of the School	Physical Science			
Name of the Department	Electronics and Instrumentation			
Name of the HOD, Phone No. and E-mail ID	Er. M. Palaniswamy, 9976077758, palaniswamybu_usic51@yahoo.com			
Year of Establishment	1993			
Telephone Number	0422-2428498			
Website / E mail	dusibu@gmail.com			
Special Status	SAP	FIST	DST	Others (pl. specify)

2. Details of Faculty and Staff Members:

Sl. No.	Name of the Faculty	Qualification	Designation	Specialization	Experience in years		E-mail ID & Phone No.
					Teaching	Research	
1	Er.M.Palaniswamy	BE., M.Sc., M.E.,	Reader	Embedded system, wireless sensor, virtual Instrumentation	26years		Palaniswamybu_usic51@yahoo.com
2	Dr.S.Muruganand	M.Sc., M.Ed., Ph.D.,	Assistant Professor	Electronics Instrumentation, Thin films, sensors	16years		drsmbu@gmail.com
3	Mr. Azha Periasamy	M.Sc., M.Phil., PGDCA	Assistant Professor	Digital circuits, Electronics, Instrumentation, solid state physics.	17years		azhaperiasamy@rediffmail.com

3. Research Schemes/Projects undertaken:

Sl. No.	Funding Agency	Name of the Principal Investigator	Title of the Project	Amount(Rs)	Duration	
					From	To
	-----	Nil	-----	-----	----	----

4. (a) Deputation of Faculty to present papers in Congresses/Conferences/Seminars/Workshops, Symposia, etc.

Sl. No.	Name of the Faculty	Congress/Conference/Seminar /Workshop and Venue	Period	Title of the paper
1				
2	-----	Nil	-----	-----
3				

4 (b). Faculty having acted as chief guest, key note speakers, resource person, chair person, external experts, etc.,

Sl. No.	Faculty	Role	Event	Venue & Date	Title
1					
2	-----	Nil	-----	-----	-----
3					

5. Seminars and Conferences Organized:

Sl. No.	Name of the Faculty	Congress/Conference/Seminar/ Workshop/Symposia, etc. Organized	State/National/ International Level	Period
1				
2	-----	Nil	-----	-----
3				

6 (a). Publication of Research Papers at the State/National/International Levels:

Sl. No.	Title of the paper	Author(s)	Journal	Volume No. Issue No.	Year of Publication	Page(pp)
1	Vibrational studies of Na ₂ SO ₄ , K ₂ SO ₄ , NaH SO ₄ and K ₄ SO ₄ crystals.	Mr. Azha Periasamy, Dr. S. Muruganand, Er. M. Palaniswamy	Rasayan Journal of chemistry	Vol. No. 2 Issue No. 4	2009	981-989
2						
3						

6 (b). Abstracts:

Sl.No	Author	Title	Event
1			
2	-----	Nil	-----
3			

7. Publications of Books/Monographs:

Sl. No.	Author	Name of the Book	Publisher/Place	Year
1				
2	-----	Nil	-----	-----
3				

8. Courses offered, Sanctioned Strength of Students and Enrolment details:

S.No	Name of the Degree / Subject	Aided / Unaided	Sanctioned Strength	First Year Enrolment		Total	Community-Wise Enrolment														Second Year		Total		Pass % 08-09	
				M	F		OC		BC		BCM		MBC / DNC		SC		SCA		ST		M	F	M	F	M	F
						M	F	M	F	M	F	M	F	M	F	M	F	M	F	M						
1	PG Courses 1.M.Sc. Electronics and Instrumentation 2 3		35	15	17	32	1	5	8	10			3	2	3					5	3	20	20	100 %	100 %	
2	M.Phil Course 1 2 3																									
3	Ph.D Course 1. Electronics and Instrumentation 2 3		8	3				2						1								3				
4	Diploma / PG Diploma Courses 1 2 3																									
5	Certificate Courses 1 2 3																									
	Total		43	18	17	32	1	5	10	10	--	--	3	2	4	--	--	--	--	5	3	23	20	100 %	100 %	

9(a). Enrolment of Overseas Students’:

Sl.No.	Degree and Subject	Nationality	Number of Students		Total
			M	F	
1	-----	Nil	----	-----	-----
2					

9 (b). Enrolment of Students’ from other states

Sl.No.	Degree and Subject	Name	State	Number of Students		Total
				M	F	
1						
2	-----	Nil	-----	-----	-----	-----
3						

10. Research Degrees Awarded / Submitted:

Sl.No.	Name of the Scholar	Name and Designation of the Supervisor	Title	M.Phil./Ph.D.
1				
2	-----	Nil	----	-----
3				

11. Fellowships Awarded:

Sl.No.	Agency*	Position (URF/JRF/SRF/RA)	Number of Fellowships		Total
			M	F	
	-----	Nil	----	----	-----

*(DSC/DRDO/AICTE/Ministry/CSIR, Others...)

12. Scholarships Awarded:

Nature of Scholarship	P.G.		M.Phil.		Ph.D.		Amount Rs.
	M	F	M	F	M	F	
B.C.(State)	12	8					Applied
B.C.M.(State)							
M.B.C./D.N.C.(State)	2	1					Applied
SC/SCA/ST(National)							
SC/SCA/ST(State)	2						Applied
First Generation Free Education							
Loan Scholarship	1						Applied
Others (Specify the name of the scholarship)		3(each 20000/-)					60,000/-
Total	17	12	--	--	--	--	60,000/-

13. Placement Details:

Name of the Placement Co-ordinator:

Phone No.

Sl.No	Number of Placements & Programme and campus interview	Number of Companies that visited the campus	Number of placements obtained through off campus interviews
1			
2	-----	Nil	-----
3			

14. (a) Outstanding achievements by Faculty members':

Sl.No	Name of the Faculty	Achievements	Agency
1			
2	-----	Nil	-----
2			

14. (b) Outstanding achievements by Students':

Sl.No	Name of the Student	Achievements	Agency
1			
2	-----	Nil	-----
3			

15. Infrastructure and research facilities available (Please specify equipments more than Rs. One Lakh Only):

Sl.No	Name of the Equipments/Computer/Software/Others	Quantity
1	UV-Vis-NIR spectrophotometer	1
2	HPLC	1
3	Atomic Absorbance spectrometer	1
4	Image Frame Grabber with accessories	1
5	Digital Storage Oscilloscope	1

16. Extension activities carried out:

Sl.No.	Name of the Activity	Date	Venue	Beneficiaries
1				
2	-----	Nil	-----	-----
3				

17. Library / Learning Resources/ Information and Communication Technology Resources:

Name of the Librarian or Faculty in-charge and qualification:

S.No.	Particulars	Nos.	S.No.	Particulars	Nos.
1	No. of Books Available	Nil	8	No. of CDs and Digital Books	Nil
2	No. of Titles Available	Nil	9	No. of Indian Magazines	Nil
3	Books Added During the Year 2009	Nil	10	No. of Foreign Magazines	Nil
4	No. of Data bases Available	Nil	11	Average no. of Students Visiting the Library per day	Nil
5	No. of Online Journals	Nil	12	Average no. of Books Issued per day	Nil
6	No. of Indian Journals	Nil	13	Availability of Internet (Specify the Capacity) (E.g – 8 Mbps etc.,)	Nil
7	No. of Foreign Journals	Nil	14	Availability of Language Lab	Yes / No

18. Department Lab:

Sl.No.	Name of the Lab	Purpose Research/ Practical	Equipments	
			No.	Value
1	Instrumentation Lab	Practical	DISPLACEMENT MEASUREMENT TRAINER KIT(LVDT)-1No	₹ 14,100/-
			DESIGN OF FREQUENCY TO VOLTAGE CONVERTER AND VOLTAGE TO FREQUENCY CONVERTER-1 No	₹ 13,125/-
			INSTRUMENTATION AMPLIFIER KIT-1 No	₹ 7,770/-
			STRAIN MEASUREMENT TRAINER KIT-1 No	₹ 11,340/-
			THERMOCOUPLE KIT-1No	₹ 9,420/-
			MICROPROCESSOR BASED SIGNAL LINEARITY TRAINER KIT (THERMISTOR)-1 No	₹ 16,100/-
			CALIBRATION OF PRESSURE MEASUREMENT TRAINER KIT-1 No	₹ 30,000/-
			PROCESS CONTROL SIMULATOR KIT FOR LINEAR SYSTEM (PID) STUDY-1 No	₹ 23,000/-
			SPEED MEASUREMENT & CLOSED LOOP CONTROL OF DC MOTOR KIT USING PHOTOELECTRIC PICKUP (DC SERVO MOTOR)-1 No	₹ 11,690/-
			DIGITAL MULTIMETER-3No's	₹ 34,200/-

2	Embedded Lab	Practical	VPC -51-5No's VPIC -87X PIC-5No's VIPAC -05-2No's VIPAC -04 - 4No's VIPAC -01- 1No VAPC -004-2 No's VAPC -01-2 No's RTC INTERFACE-2 No's UNIVERSAL PIC-6 No's AGILENT DSO 3062A-1 No DSO-TEKTRONIX-1 No CRO-2 No's	` 26,000/- ` 33,800/- ` 4,790/- ` 10,400/- ` 5,200/- ` 4,160/- ` 4,160/- ` 5,200/- ` 81,120/- ` 60,112/- ` 2,42,422/-
3	DSP Lab	Practical	DSP TMS320C6713-02 No's DSP TMS320C5416-06 No's	` 35,360/- ` 1,06,080/-
4	Intelligent Instrumentation Lab	Practical	Computer with trail labview software.	

19. Others (Please Specify):

- a. Collaborative Research - Nil
- b. Consultancy - Nil
- c. No. of NET/SET/GATE Qualified students - Nil

KEY ACADEMIC RATIOS

S.No	Particulars	Formula	Ratio
1	FACULTY RATIOS		
1.1	Non-Teaching staff to Teaching Faculty Members' Ratio	Total No. of Non-Teaching Staff / Total number of Teaching staff	1/3
1.2	Ratio of publications per faculty	Total no. of publications / Total no. of Faculty members	1/3
1.3	Ratio of Paper presentation to Faculty	Total no. of papers presented/ Total no. of Faculty members'	0/3
1.4	Ratio of Workshops, Seminars, Conference organized to Faculty	Total no. of Seminars etc, organised / Total no. of Faculty	1/3
1.5	Ratio of participation	No. of Faculty who attended the programmes / Total number of teaching staff	
1.6	Ratio of Projects to Faculty	Total number of Projects /Total no. of Faculty	0/3
2	RESOURCE RATIOS		
2.1	Ratio of Computers per student	Total no. of Computers in the Department/ Total No. of Students	29/40
2.2	Ratio of Books to students	Total no. of Books / Total no. of Students	300/40
2.3	Hostellers' Ratio	Total hostel inmates / Total students admitted	32/40
2.4	Constructed area per student	Total constructed area / Total number of students	2000/40
3	STUDENT RATIOS		
3.1	Demand Ratio	Number of Students Applied / No. of Students Admitted	32/53
3.2	Student Faculty Ratio	Total number of Students/Total No. of Faculty members	40/3
3.3	Gender Ratio	Total number of female students / Total number of male students	20/20
3.4	Percentage of differently abled students admitted	No. of differently abled students admitted / Total no. of students admitted	0/40
3.5	Percentage of students from other state	No. of other state students admitted / Total no. of students admitted	6/40
3.6	Percentage of Foreign students admitted	No. of Foreign students admitted / Total no. of students admitted	0/40
3.7	Success Rate of Students	Total number of students passed / Total number of students appeared for final exam	35/40
3.8	Cost of education per student	Total Expenditure / Total no. of Students on roll	20000/40
3.9	Amount of scholarship per student	Total amount of scholarships / Total no. of Students getting scholarships	9910/7
3.10	Ratio of students given remedial coaching	No. of students given remedial coaching / Total no. of Students	0/40

4	OTHER ACADEMIC RATIO		
4.1	Percentage of student dropouts in the academic year 2008 – 2009	Number of dropouts / Number of students admitted	1/9
4.2	Ratio of placements to students	Total no. of Placements / Total no. of out going students	0/40
4.3	Ratio of students given competitive / Civil service Examination coaching	No. of students given coaching / Total no. of out going Students	0/40