



Name of the Department	PHYSICS
Year of Establishment	1971
Courses / Programmes and subject combinations offered	UG – Aided & Unaided PG - Unaided Allied Elective EDC Certificate Course
Number of Teaching posts sanctioned and filled	06 (Aided), 04(Unaided)
Number of Administrative Staff	Nil
Number of Non-Teaching Staff	03(Aided) 03(Unaided)
Number of Students (Women)	UG Aided : 107 UG Unaided : 68 PG Unaided : 21 Allied : 80 Elective : 90 EDC : 15 CC : 51
Ratio of Teacher to students	1:20
Ratio of Teachers to Research scholars	Nil
Number of research scholars who have obtained their master's degree from other institutions	Nil
Number of teachers in academic bodies of other Autonomous Colleges and Universities	01
Latest revision of the curriculum	2006-07
Number of students passed in NET / SLET etc.	Information not available



Success Rate of students (Average)	UG Aided : 92.4% UG Unaided : 86.9% PG Unaided : 64.7%
Demand Ratio	1:4 UG Aided 1:1 UG Unaided 1:1 PG Unaided
Awards and recognition received by faculty	02
Faculty who have Attended National / International / Regional Seminars	International : 06 National : 11 Regional : 20
Number of National / International / Regional seminars organized	Regional : 06
Number of teachers engaged in consultancy and the revenue generated	Nil
Number of Ongoing projects and their total outlay	02 Rs.1,25,000/-
Research projects completed and their outlay	Nil
Number of inventions and patents	Nil
Number of Ph. D theses / M. Phil guided	04
Publications by faculty	Course Material : 01
Average citation index and impact factor of publications	Nil
Number of Books in the Departmental Library	326
Number of Journals / Periodicals in the Departmental Library	Nil
Number of Computers	01
Annual Budget	Rs. 25,000

**1. DETAILS OF TEACHING STAFF**

Name	Designation	Highest qualification	Specialization	Experience in years	Age in years
AIDED					
Mrs. K. G.Chandini	Head	M. Sc	Electronics	31	54
Sr. S. Jesurani	LSG	M. Phil	Thin Films	18	41
Mrs. R. Mary Mathelane	LSG	M. Phil	Thin films	21	43
Mrs. A. Jacqueline Regina Mary	LSG	M. Sc	Electronics	17	41
Mrs. A. Clara Dhanemozhi	LSG	M. Sc	Nano Materials	17	39
Dr. Mrs. M. Arulmozhi	LSS	Ph. D	Condensed Matter Physics	10	37
UNAIDED					
Ms. G. Kiruthiga	Lecturer	M. Phil	Thin films	02	25
Ms. R. Usha	Lecturer	M. Phil	Solid State Ionics	02	25
Ms. S. P. Naganandini	Lecturer	M. Phil	Network	01	35
Ms. G. Gowri Kalyani	Lecturer	M.Sc	Theoretical Physics	01	24

2. DETAILS OF NON TEACHING STAFF

Name	Designation	Qualification
AIDED		
Mrs.S. Arul Sahaya Sundari	SG Lab Assistant	HSC, D.T.C
Mrs. S. Little Flower	Lab Assistant	HSC
Mr. T. Braburam	Junior Mechanic	DECE, DCA, DCH, DTP
UNAIDED		
Mr. A. Thanaraj	Lab Assistant	SSLC
Mrs. G. Anniammal	Lab Assistant	SSLC
Mr. L . Alagarsamy	Junior Mechanic	SSLC

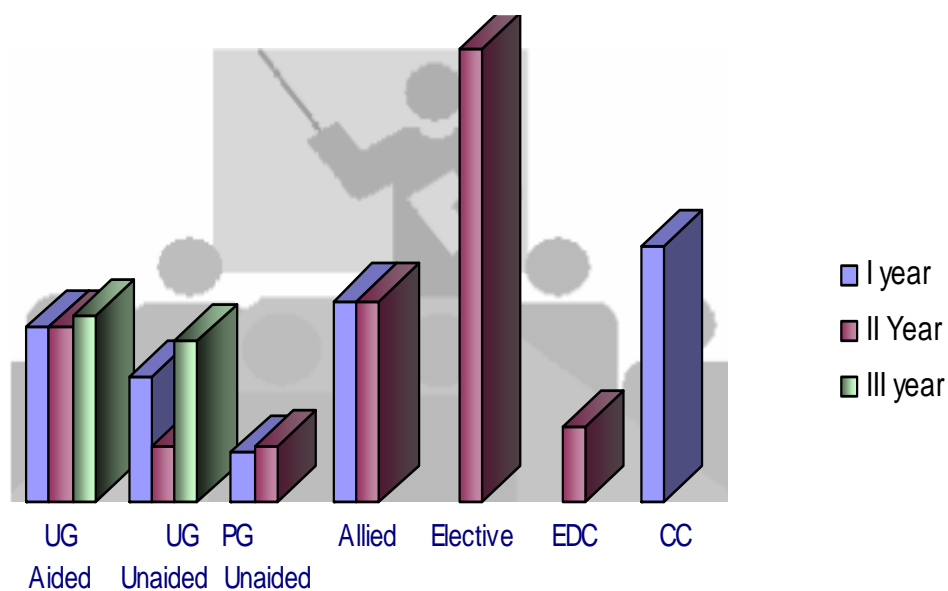


3. DETAILS OF STUDENT STRENGTH

PROGRAMME WISE

Programme	I year	II Year	III year	Total
UG Aided	35	35	37	107
UG Unaided	25	11	32	68
PG Unaided	10	11	---	21
Allied	40	40	---	80
Elective	----	90		90
EDC	----	15		15
CC	51	--		51
Total	161	202	69	432

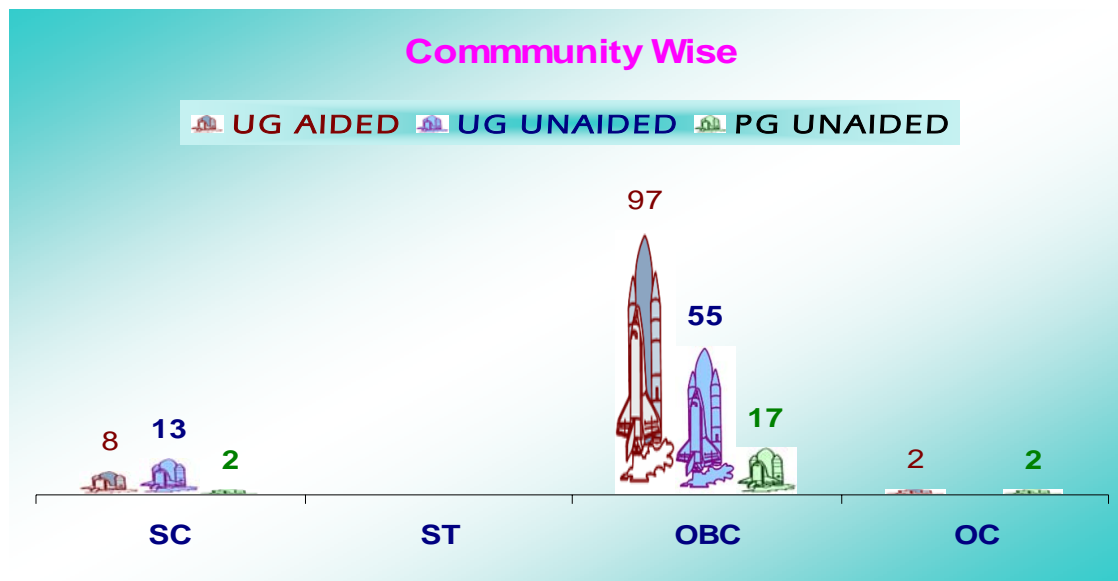
PROGRAMME WISE





COMMUNITY WISE

Community	UG		PG Unaided	Total
	Aided	Unaided		
SC	8	13	02	23
ST	--	--	--	--
OBC	97	55	17	169
OC	02	--	02	04
Total	107	68	21	196



REGION WISE

Region	UG Aided	UG Unaided	PG Unaided	Total
Tamil Nadu	107	68	21	196
Other Regions	--	---	--	
Total	107	68	21	196



4. DETAILS OF TEACHERS IN ACADEMIC BODIES OF OTHER AUTONOMOUS COLLEGES AND UNIVERSITIES

Name	Position	Name of the Academic Body	Name of the College/University
Mrs. Chandini	Member	Board of Studies in Physics	MTW University, Kodaikanal

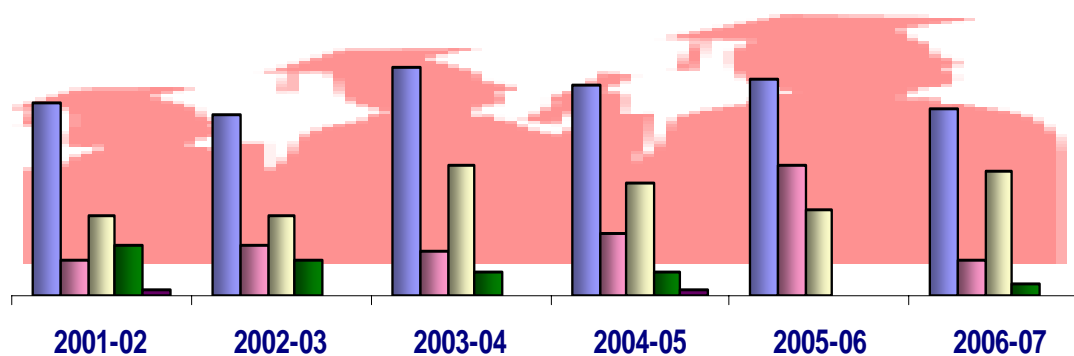
5. DETAILS OF SUCCESS RATE OF STUDENTS

UG - AIDED

Year	Number of Candidates						Percentage of Passes
	Appeared	Distinction	I Class	II Class	III Class	Total	
2001-02	34	06	14	09	01	30	88.2
2002-03	32	09	14	06	--	29	90.6
2003-04	40	08	23	04	--	35	87.5
2004-05	37	11	20	04	01	36	97.3
2005-06	38	23	15	--	--	38	100
2006-07	33	06	22	02	--	30	90.9

Success Rate UG Aided

■ Appeared ■ Distinction ■ I Class ■ II Class ■ III Class

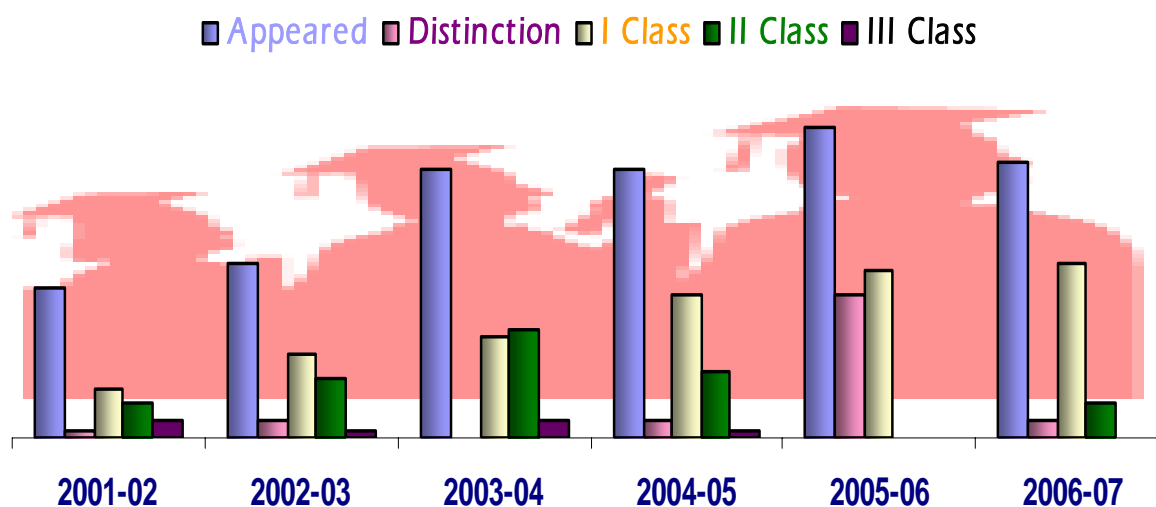




UG – UNAIDED

Year	Number of Candidates						Percentage of Passes
	Appeared	Distinction	I Class	II Class	III Class	Total	
2001-02	18	01	06	04	02	13	72.22
2002-03	21	02	10	07	01	20	95.24
2003-04	32	--	12	13	02	27	84.38
2004-05	32	02	17	08	01	28	87.50
2005-06	37	17	20	--	--	37	100
2006-07	33	02	21	04	--	27	81.82

Success Rate UG Unaided



PG UNAIDED

Year	Number of Candidates					Percentage of Pass
	Appeared	Distinction	I Class	II Class	Total	
2006-07	17	01	10	--	11	64.7

**6. DEMAND RATIO****UG AIDED**

Year	Sanctioned Strength	Number of Applications received	Ratio
2001-02	40	192	1:4.8
2002-03	40	188	1:4.7
2003-04	42	218	1:5.2
2004-05	42	156	1:3.7
2005-06	42	116	1:2.8
2006-07	42	153	1:3.6

UG – UNAIDED

Year	Sanctioned Strength	Number of Applications received	Ratio
2001-02	40	53	1:1.3
2002-03	40	50	1:1.3
2003-04	42	46	1:1.1
2004-05	42	52	1:1.2
2005-06	42	42	1:1.0
2006-07	42	42	1:1.0

PG UNAIDED

Year	Sanctioned Strength	Number of Applications received	Ratio
2005-06	20	20	1:1
2006-07	20	26	1:1.3

**7. AWARDS RECEIVED BY FACULTY**

Name	Award	Year	Donor
Mrs. Chandini	Thervu mangai	2001-02	Maya Happy Service Society, Theni.
Sr. Jesurani	Thervu mangai	2001-02	Maya Happy Service Society, Theni.

8. DETAILS OF NATIONAL /INTERNATIONAL/REGIONAL SEMINARS AND WORKSHOPS ATTENDED BY THE STAFF

Year	Staff	Title	Place and Date	Level
2001-02	Sr.Jesurani	Role of Stakeholders in Achieving Excellence in Higher Education in The Knowledge Era	Hotel Residency, Coimbatore. 4-5 Jan 2002	Regional
	Sr.Jesurani	Leadership	Loyola Institute of Business Administration, Chennai. 25-27 Jan 2002	Regional
	Mrs.Mary Mathelane	Opto Electronics	A.P.A College, Palani. 1 Feb 2002	Regional
2002-03	Sr.Jesurani	Human Right and Female Infanticide	Azhwarkurichi, Tirunelveli.10 - 11 August 2002	National
	Mrs.Chandini	Renewable Energy Sources	IITCampus, Guindy, Chennai. 08 February 2003	National
	Sr. Jesurani	Globalization	St. Annes Generalate, Trichy. 12 February 2003.	Regional
	Sr.Jesurani	HIV/AIDS	Health and Family Welfare Training Centre, Madurai. 27- 28 November 2002	Regional
	Sr.Jesurani	Preksha Dhyam and Non-violence	Madurai Kamaraj University, Madurai. 24-26 February 2003.	Regional



2003-04	Mrs.Mary Mathelane	Solar Energy Systems and Utilization	Gandhigram Rural Institute, Gandhigram. 25-26 March 2004.	Regional
	Mrs.Jacquiline Regina Mary	Challenges of Value Education at College Level	Nobili Pastoral Centre, Archbishop's House, K.Pudur, Madurai. 26-27 September 2003.	National
2004-05	Mrs.Chandini	Bioethics Education	JA College for Women, Periyakulam. 20 Jan 2005	International
	Sr.Jesurani	Bioethics Education	JA College for Women, Periyakulam. 20 Jan 2005	International
	Mrs.Mary Mathelane	Bioethics Education	JA College for Women, Periyakulam. 20 Jan 2005	International
	Mrs Jacqueline Regina Mary	Bioethics Education	JA College for Women, Periyakulam. 20 Jan 2005	International
	Mrs.Clara Dhanemozhi	Bioethics Education	JA College for Women, Periyakulam. 20 Jan 2005	International
	Dr.Arulmozhi	Bioethics Education	JA College for Women, Periyakulam. 20 Jan 2005	International
	Mrs.Jacquiline Regina Mary	Empowering Youth – Vision 2020	APA College for Women, Palani. 12 March 2004.	National
	Sr.Jesurani	Indian Red Cross Society	Azhagappa University, Karaikudi. 10 Sep 2004	Regional



	Sr.Jesurani	Indian Red Cross Society	Vivekananda Kendra, Kanyakumari. 4-5 Feb 2005	Regional
	Mrs.Mary Mathelane	Water, Energy & Biodiversity	Rajiv Gandhi Centre for Wild Life ,Periyar Tiger Reserve, Thekkady, Kumily. 20 Mar 2005	Regional
2005-06	Mrs.Mary Mathelane	Nature Conservation and Ecodevelopment	The Anglade Institute of Natural History, Sacred Heart College, Kodaikanal. 7-10 July 2005	Regional
	Mrs.Chandini	Quality Sustenance and enhancement in Post-Accreditation Context	St.Xavier's College, Palayamkottai. 9-10 Sep 2005.	National
	Mrs.Mary Mathelane	Environmental Awareness Training Programme	The Anglade Institute of Natural History, Sacred Heart College, Kodaikanal. 12-14 Sep 2005.	Regional
	Mrs.Jacquiline Regina Mary	Recent Trends in Physics	Arulanandar College, Karumathur. 22-23 Sep 2005.	National
	Mrs.Clara Dhanemozhi	Recent Trends in Physics	Arulanandar College, Karumathur. 22-23 Sep 2005.	National
	Mrs. Clara Dhanemozhi	Nanomaterials	NMSSVN College, Madurai. 6-7 Mar 2006	Regional



2006-07	Mrs. Chandini	Challenges in Higher Education	Kongunadu College of Arts & Science, Coimbatore 7-8 March 2007	National
	Sr. Jesurani	Students Support and Progression in enhancing the Quality in Higher Education	HKRH College, Uthamapalayam 25-26 Sep. 2006	Regional
	Mrs. Mary Mathelane	Applications of Nanotechnology	VVV College, Virudhunagar 21 Sep. 2006	National
	Mrs. Jacqueline Regina Mary	Laser Materials Processing	National Institute of Technology, Tiruchi 9-10 Jan 2007	Regional
	Mrs. Jacqueline Regina Mary	Academic uses of Internet	Library, JA College, Pkm. 26 Feb 2007	Regional
	Mrs. Jacqueline Regina Mary	Renewable Energy Conservation for Rural Development	GRI Gandigram, 1 Nov. 2006	Regional
	Mrs. Clara Dhanemozhi	Recent Trends in Chemistry	JA College, Pkm 27-28 Sep. 2006	National
	Mrs. Clara Dhanemozhi	Renewable Energy Conservation for Rural Development	GRI Gandigram, 1 Nov. 2006	Regional
	Mrs. Clara Dhanemozhi	Educational Technology	Centre for Education beyond curriculum, Christ College, Bangalore 23-24 March 2007	National
	Dr. Arulmozhi	Nanomaterials (Nano-2007)	SFR College for Women, Sivakasi, 6-7 March 2006	Regional
	Dr. Arulmozhi	Academic uses of Internet	Library, JA College, Pkm. 26 Feb 2007	Regional

**9. DETAILS OF SEMINARS ORGANISED BY THE DEPARTMENT**

Year	Title of Seminar	Place & Date	Funding Agency	Level
2002-03	Electronics to Opto Electronics	JA College Periyakulam 17 Sep 2002	JA College	Regional
2002-03	Renewable energy	JA College, Periyakulam 11-12 Mar 2003	JA College	Regional
2004-05	Solar Energy	JA College, Periyakulam 9 Mar 2005	JA College	Regional
2005-06	New Syllabus of +2 Physics(Conducted for School Teachers)	JA College, Periyakulam 29-30 July 2005	JA College	Regional
	Nanotechnology and its application & Radio Astronomy.	JA College, Periyakulam 23-24 Jan 2006	JA College	Regional
2006-07	Plasma Physics	JA College, Periyakulam 11 Oct. 2006	JA College	Regional

10. DETAILS OF ON-GOING PROJECT

Nature	Investigators	Title	Funding Agency	Amount Rs.	Duration
Minor	Mrs.Mary Mathelane & Mrs.Clara Dhanemozhi	State of the Art Technology of Solar Air Heaters	UGC	60,000	2007-2009
Minor	Dr.Arulmozhi	Studies on some external perturbations in nanoquantum wells	UGC	65,000	2007-2009

**11. DETAILS OF STAFF WHO GUIDED M. PHIL SCHOLARS**

Name of The guide	Topic	Nature	University
Mrs. Mary Mathelane	State of Art Technology of Solar Desalination	Part Time	M. K. University
Dr. Mrs. Arulmozhi	Effect of Pressure on the binding energies of hydrogenic donor in surface quantum wells	Part Time	M. K. University
Dr. Mrs. Arulmozhi	Effect of Temperature on the binding energies of hydrogenic donor in surface quantum wells	Part Time	M. K. University
Dr. Mrs. Arulmozhi	Pressure dependent binding energies in parabolic quantum wells	Part Time	M. K. University

12. COURSE MATERIAL

Year	Staff	Title	Beneficiaries
2006-2007	Mrs. Chandini	Career Guidance	III UG Students