

PASUMPON MUTHURAMALINGA THEVAR COLLEGE, USILAMPATTI

DEPARTMENT OF PHYSICS

PERFORMANCE APPRAISAL REPORT

SELF APPRAISAL

A. General Information

- a) Name : **Mr. K. PAUL RAJ**
b) Father's Name : Mr. T. Krishnasamy
c) Educational Qualifications : **M.Sc.,M.Phil.,M.Ed.,**
d) Address : Assistant Professor & Head,
Department of Physics,
Pasumpon Muthuramalinga Thevar College,
Usilampatti, Madurai – 625 532.
e) Designation : **Assistant Professor**
f) Department : **Physics**
g) Date of Birth : 03 - 03 - 1968
h) Area of Specialization : Thin Films
g) Date of appointment :
(i) in the Institution : 11-12-2006
(ii) in the present post : 11-12-2006

B. Academic Qualification

Exam Passed	Subjects	Board / University	Year	Division
High School	General	Board of Secondary Education Tamilnadu	APR.1983	I -Class
Higher Secondary of Pre-Degree	Bio-Maths	Board of Higher Secondary Education Tamilnadu	MAR.1985	I-Class
Bachelor's Degree	Physics	NMSSVN College-Madurai	APR.1988	I-Class
Master's Degree	Physics	NMSSVN College-Madurai	Nov-1990	I-Class
Research Degree (s)	M. Phil (Maths)	School of Physics, Madurai Kamaraj University-Madurai	APR.1995	I-Class
	Ph. D (Maths)	Madurai Kamaraj University-Madurai	Aug.2020	Thesis Submitted
Other Diplomas / certificates etc.		- -	-	-

* for teachers already in employment at the time of introduction of the scheme for new entrants at the time of joining of the institution

C. Research Experience & Training

Exam Passed	Subject	Board / University	Year	Division
M.Phil	Physics	School of Physics, Madurai Kamaraj University- Madurai	APR.1995	I-Class
Ph.D.,	Physics	Madurai Kamaraj University-Madurai	Aug-2020	Thesis Submitted
Post Doctoral	Nil	Nil	Nil	Nil
Research Guidance (Give names of Students guided successfully)	Nil	Nil	Nil	Nil
Other Diplomas / certificates etc.	Nil	Nil	Nil	Nil
Training (Please Specify)	Nil	Nil	Nil	Nil

D. Research projects carried out

Title of the Project	Name of the Funding agency	During Remarks
Nil	Nil	Nil

III (A) (i) Research Papers Published in Journals:

Sl. No	Title, Vol., Page No. & year	Journal	ISSN/ ISBN	Peer reviewed, Impact Factor	No. of Co-authors	Whether you are First/ principal/ Corresponding author	Score by Self	Score by IQAC	Score by Screening committee
1.	Investigation on nebulizer spray deposited Gd-doped PbS thin Films for photo sensing applications, 2019/30, p-18858-18865	Journal of Material Science: Journal of Materials in Electronics-Springer Nature	ISSN: 0957-4522	Peer reviewed (Impact Factor-2.195)	8	Yes	15		
2.	“Investigation on nebulizer spray deposited Nd-doped PbS thin Films for photo sensing applications, pp-1817-1827	Journal of Material Science: Journal of Materials in Electronics-Springer Nature	ISSN: 0957-4522	Peer reviewed (Impact Factor-2.195)	6	Yes	15		
3.	Comprehensive study on Nebulizer-Spray-Pyrolyzed Eu-Doped PbS Thin films for Optoelectronic	Journal of Applied Physics A 126 (2020) 503	ISSN: 1432-0630	Peer reviewed (Impact Factor-1.870)	6	Yes	15		

	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
--	-----	-----	-----	-----	-----	-----	-----	-----	-----

III C (i) and (ii) Ongoing and Completed Research Projects and Consultancies:

Sl. No.	Title	Principal Investigator	Funding Agency	Period	Grant Mobilized	Score by Self	Score by IQAC	Score by Screening committee
1.	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

III C ((i) & (ii)) Ongoing Projects

Sl. No	Title	Principal Investigator	Funding Agency	Period	Grant Mobilized	Score by Self	Score by IQAC	Score by Screening committee
1	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

III D (i) and (ii) Research Guidance

Research Programme	Name of the Candidate	Thesis submitted/ Degree awarded	Guide/Co-guide	Title of the dissertation	Date of Viva-Voce examination	Score by Self	Score by IQAC	Score by Screening committee
1	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

III. (E) (i) Refresher Courses, Methodology Workshops, Training, Teaching- Learning-Evaluation Technology Programmes, Soft Skills Development Programmes, Faculty Development Programmes

Sl. No.	Programme	Duration		Organized by	Score by Self	Score by IQAC	Score by Screening committee
		From	To				
1.	Orientation Program	19.08.2008	05.09.2008	UGC-Academic Staff College, Madurai Kamaraj University, Madurai	10		
2.	Refresher Course(Physics)	03.11.2009	23.11.2009	UGC-Academic Staff College, Madurai Kamaraj University, Madurai	10		
3.	Refresher Course (Life Science – Inter-discipline)	05.07.2017	25.07.2017	UGC-Academic Staff College, Bharathiar University, Coimbatore	10		
4.	Refresher Course(Physics)	23.11.2018	13.12.2018	UGC-Academic Staff College, Bharathiar University, Coimbatore	10		

III (E) (ii) Papers presented in Conferences, Seminars, Workshops, Symposia:

Sl. No.	Title of paper	Title of conference/Seminar & Date etc.	Organized by	Score by Self	Score by IQAC	Score by Screening committee
1.	Investigation on nebulizer spray deposited Gd-doped PbS thin Films for photo sensing applications	Seminar on Recent Advances in Nano Technology(RAIN-2019)	Dept of Physics A.V.V.V.M. Sri Pushpam College, Poondi, Thanjavur	5		

2.	Comprehensive study on Nebulizer-Spray-Pyrolyzed Eu-Doped PbS Thin films for Optoelectronic applications	Seminar on Advanced Materials for Sustainable Energy and Sensors (INCAMSES-2019)	Dept of Physics, MHRD:RUSA 2.0, ALAGAPPA UNIVERSITY.	5		
3.	Investigation on samarium doped lead sulfide thin films fabricated using nebulizer spray technique for photo sensing applications	Semi conductors, Surfaces, alloys modeling and preparations	Dept of Physics Sree sevugan Annamalai college, Devakottai	5		
4.	Praseodymium doped PbS thin films for optoelectronic applications prepared by nebulizers	Design and applications of emerging materials	Dept of Physics, N.M.S.S.V.N College, Madurai	5		
5.	Attended	Seminar on Nuclear Power- An Economical source of energy	Dept of Physics, MEPCO SCHLENK Engineering college, Sivakasi.	3		
6.	Attended	Seminar on Nano Science and Technology for Energy and Environment	Dept of Physics, M.T.N College Madurai.	3		

E. Seminars, Conferences, Symposia, Workshops etc., attended

Sl. No	Name of the Seminar/ Conference/ Symposia/ Workshop etc.,	State / National / International Level	Seminar Paper Presented / Attended	Palace	Year
1	Seminar on Nuclear Power- An Economical source of energy	National	Attended	Dept of Physics, MEPCO SCHLENK Engineering college, Sivakasi.	2016
2	Seminar on Nano Science and Technology for Energy and Environment	National	Attended	Dept of Physics, M.T.N College Madurai.	2017
3	Seminar on Recent Trends in Material Science and applications	International	Paper Presented	Dept of Physics, Sri Meenakshi Govt. Arts College (Women).	2017
4	Seminar on Recent Advances in Nano Technology (RAIN-2019)	National	Paper Presented	Dept of Physics A.V.V.V.M. Sri Pushpam College, Poondi, Thanjavur	2019
5	Seminar on Advanced Materials for Sustainable Energy and Sensors (INCAMSES-2019)	International	Paper Presented	Dept of Physics, MHRD:RUSA 2.0, ALAGAPPA UNIVERSITY.	2019
6	Semi conductors, Surfaces, alloys modeling and preparations	National	Paper Presented	Dept of Physics Sree sevugan Annamalai college, Devakottai	2019
7	Design and applications of emerging materials	National	Paper Presented	Dept of Physics, N.M.S.S.V.N College, Madurai	2020

F. Teaching Experience

Sl. No	Courses Taught	Name of the University / College / Institution	Duration
1.	U.G.	Pasumpon Muthuramalinga Thevar College, Usilampatti	14 years
		Other Institutions	10 years
2.	P.G. (M.A. / M.Sc., etc.,)	Nil	Nil
3.	M.Phil.,	Nil	Nil
4.	Any other	Nil	Nil

Total Teaching Experience

(a) Under – Graduate (Pass)	:	<u>24 Years</u>
(b) Under – Graduate (Hons)	:	_____ - _____
(c) Post – Graduate	:	_____ - _____

G. Innovations / Contributions in Teaching

a) Design of Curriculum	:	Question Papers setting to various Autonomous Colleges
b) Teaching methods	:	Power Point Presentation and Smart Classes
c) Laboratory experiments	:	Yes
d) Evaluation methods	:	Yes (Internal Assessments, Seminars, Assignments)
e) Preparation of resource material including books regarding materials laboratory Supplied to manuals etc.,	} :	Study materials Prepared and the Students
f) Remedial Teaching / Students Counseling	:	Regularly receiving feedback from the (academic) students and taking remedial measures
g) Any other	:	Nil

H. Innovations / Contributions in Teaching

a) Please give a short account of your contribution to		
i) Community work such as values of national integration, Secularism,	:	Nil

democracy, Socialism, Humanism, Peace,
Scientific Temper flood

ii) National Literacy mission

b) Positions held / Leadership role played in organizations linked with extension work and National Service Scheme (NSS) or (NCC) in any other similar activity. : Yes

I. Innovations / Contributions in Teaching

Please give a short account of your contribution to:

- a) College / University / Institution : P. M. Thevar College, Usilampatti
- b) Co-curricular Activities : Student Councilor, College
Calender Preparation Committee - Head
- c) Enrichment of Campus life (Hostels, Sports, games, Cultural activities) : Adviser to Sports , Cultural activities
- d) Students welfare and discipline : As a student councilor helping to stress Management
- e) Membership / Participation in bodies Committees on Education and National Development : IQAC (Department Activities)- Member
- f) Professional Organization of Teachers : Nil
- J.** (a) Membership or professional Bodies Committees in Education and National Development : Nil
- (b) Editorship of Journals : Nil
- K.** Any other information : Nil

Signature of the Teacher