


**Government Arts college (Autonomous), Coimbatore – 18**  
**Performance - Teacher Appraisal Report**

<b>i) General Information</b>				
a)	Name	:	Dr. J.DHEEPA	
b)	Address (Residential)	:	9/15, 3 <sup>rd</sup> Street, Viswanathapuram, Thudiyalur, Coimbatore -641034 Mobile.No. 9894828593	
c)	Designation	:	Assistant Professor	
d)	Department	:	Physics	
e)	Date of Birth	:	29.09.1975	
f)	Area of Specialization	:	Thin Films	

**A) Academic Qualifications**

Exam passed	Subjects	Board/University	Year	Division/Grade/Merit etc.
High School	Tamil, English, Mathematics, Science, History & Geography	Board of secondary Education	1990	I
Higher secondary	Tamil, English, Maths, Physics, Chemistry, Biology	Board of Higher secondary Education	1992	I
Bachelor's Degree B.Sc	Physics	Bharathiar University, Coimbatore.	1995	I
Master's Degree M.Sc	Physics	Bharathiar University, Coimbatore.	1997	I
Research Degree(s) 1. M Phil	Physics	Bharathiar University, Coimbatore.	1999	I
2. Ph.D	Physics	Bharathiar University, Coimbatore	2007	Highly Commended
PGDCA	Computer Applications	Bharathiar University, Coimbatore.	2001	I

**ii) Research Experience & Training**

<b>Research</b>	<b>Title of the Work/Thesis</b>	<b>University Where the Work was Carried out</b>
M.Phil.	Study on Photovoltaic Effect in Power Transistors	Bharathiar University, Coimbatore
Ph.D.	Investigations of Bismuth Telluride Based Thin Films for Thermoelectric Applications	Bharathiar University, Coimbatore
Post Doctoral	---	
Publication (give a list separately)	List Enclosed ( <b>Appendix A</b> )	
Research Guidance (give names of Students guided successfully)	1. R.Karthic – M.Phil-2018.	
Training (Please specify)	-	

**B) Research Projects carried out**

<b>Title of the Project</b>	<b>Name of Funding Agency</b>	<b>Duration</b>	<b>Remarks</b>
Nil			

**C) Seminars, Conferences, Symposia Workshops etc. attended (If necessary give a separate list)**

<b>Name of the Seminar/ Conference/Symposia Workshop,etc.</b>	<b>Name of the Sponsoring Agency</b>	<b>Place and Date</b>
List enclosed ( <b>Appendix - B</b> )		

### iii) Teaching Experience

<b>Courses Taught</b>	<b>Name of University/ College/Institution</b>	<b>Duration</b>
<b>U.G:</b> B.Sc Physics	1. Kongunadu Arts and Science College, Coimbatore 2. VIT University, Vellore 3. L.R.G. Govt. Arts College for Women ,Tirupur 4.Govt.Arts college, Coimbatore	12.07.1999 – 07.06.2005 08.06.2005 – 07.07.2009 08.07.2009 –12.06.2017 12.06.2017 to till date
<b>PG:</b> MSc Physics	1. Kongunadu Arts and Science College, Coimbatore 2. VIT University, Vellore 3. Govt.Arts college, Coimbatore	12.07.1999 – 07.06.2005 08.06.2005 – 07.07.2009 12.06.2017 to till date
<b>M.Phil.</b>	Nil	
<b>Any other</b>	Nil	

<b>Total Teaching Experience (in years and months) :</b>			
a)	Under-Graduate (Pass)	:	<b>20 years</b>
b)	Under-Graduate (Hons)	:	-
c)	Post-Graduate	:	<b>12 years</b>

<b>viii) Innovations/ Contributions in Teaching (If necessary give a separate list)</b>			
a)	Design of curriculum	:	As per University syllabus
b)	Teaching Methods	:	Lecture method, Demonstration, Seminars, Assignments, Explaining with internet Downloads, Discussion and tutorial hour.
c)	Laboratory experiments	:	Demonstration for experiments, Conducted General Physics, Programming in C and C++ Practicals & Allied Practicals.
d)	Evaluation Methods	:	Class test, Monthly test, Internal Assessment , Model Examinations. Seminars & Assignments
e)	Preparation of resource material	:	Recent advances in Physics topics referred from internet and notes prepared. Solved extra numerical problems.
f)	Remedial Teaching / Students	:	Extra classes and tests are given for weak students. Ward meetings conducted for counselling students both academic and personal aspects.
g)	Any other	:	Emphasize on the need of personality development and encourage the students to participate in extra curricular activities

**ix) Extension Work/ Community Service**(If necessary give a separate list)

a) Please give a short account of your contribution to:

i) Community work such as values of National Integration, secularism, democracy, socialism, humanism, peace, scientific temper, flood or drought relief, small family norms etc.:

Rendered possible help to the victims of natural calamities, Worked as Presiding officers in elections

ii) National Literacy Mission : Nil

b) Positions held / leadership role played in organizations linked with Extension Work National Service Scheme (NSS), or NCC or any other similar activity: Nil

**D. Participation in Corporate Life**

Please give a short account your contribution to:

a) College/ University / Institution	a)Helping HOD in the departmental activities, Maintaining discipline in the campus, Motivating the Students to join all the extra curricular activities
b) Co-curricular Activities	Encouraging students to participate in seminars & present papers.
c) Enrichment of Campus Life (Hostels, sports, games, cultural activities)	Rendered help in conducting all Cultural activities
d) Students Welfare and Discipline	Periodical counseling and guidance to the students,.
e) Membership / Participation in Bodies / Committees on Education and National Development	Member-PG Board of studies, Bharathiar University, Coimbatore. External and Internal examiner for theory and practical examinations.
f) Professional Organization of Teachers	Nil

**E.** (a) Membership of Professional Bodies, Societies etc.: Nil

(b) Editorship of Journals; Nil

**F. Any other information** : Nil

**J.DHEEPA**

**(Signature of the Teacher)**

## Appendix- A

### List of Publications

1. Electrical Resistivity of Thermally Evaporated Bismuth Telluride Thin Films  
-**J.Dheepa**, R.Sathyamoorthy, S.Velumani, A.Subbarayan, K.Natarajan,  
P.J.Sebastian, Solar Energy Materials and Solar Cells, Vol. 81, No.3, 26 Feb.2004, 305 – 312.
2. Optical Properties of Thermally Evaporated Bi<sub>2</sub>Te<sub>3</sub> thin films,  
-**J.Dheepa**, R.Sathyamoorthy and A.Subbarayan, Journal of Crystal Growth, Vol. 274, No.1-2, 15  
Jan.2005, .100-105.
3. Structural and Optical Properties of Thermally Evaporated Antimony telluride Thin Films,  
-K.Rajasekar, A.Subbarayan, R.Sathyamoorthy and **J.Dheepa**, Ionics, Vol. 10, No.3-4, 2004, .291-295.
4. Dielectric Properties of Vacuum deposited Bi<sub>2</sub>Te<sub>3</sub> thin film,  
-**J.Dheepa**, R.Sathyamoorthy, A.Subbarayan, S.Velumani, P.J.Sebastian and R.Perez ,  
Solar Energy Materials and Solar Cells , Vol. 88, No.2, 2005, 187-198.
5. Electrical conduction studies on Bi<sub>2</sub>Te<sub>3</sub> thin films,  
- R. Sathyamoorthy, **J. Dheepa**, A. Subbarayan, Journal of Crystal Growth, Vol. 281, No. 2-4,  
2005, 563-570.
6. Transport Properties of Sb<sub>2</sub>Te<sub>3</sub> doped Bi<sub>2</sub>Te<sub>3</sub> thin films,  
- **J.Dheepa**, R.Sathyamoorthy, S.Velumani , Journal of New Materials for Electrochemical Systems  
10,2007, 3-7.
7. Charge Transport Mechanism in Al/Bi<sub>2</sub>Te<sub>3</sub>/Al of thinfilm devices  
-**J.Dheepa**, R.Sathyamoorthy, , Journal of Solid State Electronics, Volume 50, Issues 7-8, July-August  
2006, 1315-1319.
8. Structural Characterization of Thermally Evaporated Bi<sub>2</sub>Te<sub>3</sub> Thin Films  
-R.Sathyamoorthy, **J.Dheepa**, Journal of physics and Chemistry of Solids, Vol 68, Jan 2007, 111-117.
9. Space Charge Limited Current Conduction in Bi<sub>2</sub>Te<sub>3</sub> Thin Films  
-R.Sathyamoorthy, **J.Dheepa** , Journal of Material Characterization , Vol. 58, 2007, 842–846.
10. Characterization of Bismuth Telluride Thin Films – Flash Evaporation Method  
-**J.Dheepa**, R.Sathyamoorthy, Journal of Material Characterization , Vol. 58, 2007 , 782–785.

## APPENDIX – B

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

1. Study on the Photovoltaic effect on a Power transistor, National Conference on Solar Energy and its Utilization (NCSEU-2001) Feb 28 – Mar 2, 2001, C4, Sri Ramakrishna Mission Vidyalaya College of Arts & Science, Coimbatore.
2. Growth and Magnetic studies on Magnesium Nickel Sulphate and Zinc Nickel Sulphate, National Seminar on Solid State spectroscopy (NSSSS-2001), Aug 29-31, 2001, Sri Venkateswara University, Tirupati, A.P.
3. Structure, Optical and resistivity Studies on  $\text{Bi}_2\text{Te}_3$  Thin films, National Conference on Thin Film Techniques and Applications (NACTTA-2002) Feb 1&2-2002, PSG College of Arts & Science, Coimbatore.
4. Annealing Effect on Optical Properties of Bismuth Telluride Thin Films, National Seminar on Recent Trends in Optoelectronic Materials and Devices (NSRTOM -2002), Nov. 21-22, 2002, Sri Venkateswara University, Tirupati, A.P.
5. Thickness Dependence of the Optical Properties of Bismuth Telluride thin films, National Conference on Emerging Trends in VLSI Design and Testing (NCVDT2003), Feb 21-22, 2003, PSG college of Technology, Coimbatore.
6. Structural and Optical properties of Thermally Evaporated Antimony Telluride thin films, International Conference on Ionic Devices-2003 (ICID), Nov. 28-30, 2003, MIT, Anna University, Chennai, India.
7. Thickness Dependence of Structure and Dielectric Behavior of  $\text{Bi}_2\text{Te}_3$  thin films, National Symposium on Materials for the future (MF2004), March 22 & 23, 2004, IISC, Bangalore.
8. Structure, dielectric and ac conduction studies on  $\text{Bi}_2\text{Te}_3$  thin films, National Conference on Emerging Materials and Technologies (NCEMAT – 2004) 3<sup>rd</sup> & 4<sup>th</sup> of August 2004, Sri Venkateswara University, Tirupati.
9. Photoluminescence Studies on Thermally Evaporated  $\text{Bi}_2\text{Te}_3$  Thin Films  
National conference on Novel Materials and technologies (NCNMT – 2006), February 17 & 18 – 2006, Sri Venkateswara University, Tirupati.

WORKSHOP ATTENDED:

1. Department of Atomic Energy (DAE) workshop, 4<sup>th</sup> & 5<sup>th</sup> November 2004, Pondicherry University, Pondicherry.
2. Faculty Development Programme, Academic Staff College, 9<sup>th</sup>, 10<sup>th</sup>, 14<sup>th</sup> & 15<sup>th</sup>, June 2005, Vellore Institute of Technology, Vellore.
3. Accelerator Based Research, Department of Physics, 1<sup>st</sup> December 2006, Kongunadu Arts and Science College., Coimbatore.
4. Effective Teaching Strategies for Learner Centered Education, Academic Staff College, 10<sup>th</sup> January 2007, Vellore Institute of Technology, Vellore.
5. Faculty Development Programme on Mathematical Physics, 20<sup>th</sup> & 21<sup>st</sup> November 2018, PSGR Krishnammal College for women, Coimbatore.