

# KONGUNADU ARTS AND SCIENCE COLLEGE

COIMBATORE - 641 029.

Re-accredited by NAAC with 'A' Grade - 3.88 CGPA out of 4 (95%)

## PERFORMANCE APPRAISAL REPORT - II\* SELF APPRAISAL FOR THE YEAR 2017 - 2018

### A. GENERAL INFORMATION

- a. Name : Dr. P. MATHESWARAN b. Date of Birth : 25.05.1983
- c. Department : Physics d. Designation : Assistant Professor
- e. Address (Residential) : 8B3 Rajam Illam,  
Thiruvalluvar Nagar,  
G.N.Mills (PO), Cbe - 641029 f. Area of specialization : Thin film technology
- g. Date of Appointment : i) In the Institution : 23.08.13 ii) In the present post : 23.08.13
- h. Honours Conferred : -

### B. TEACHING

#### a. Classes Taught :

| UG / PG Class | Periods           |           |                    |           | Steps Taken for the teaching of periods missed during absence of leave |
|---------------|-------------------|-----------|--------------------|-----------|------------------------------------------------------------------------|
|               | Assigned per week |           | Taught in the year |           |                                                                        |
|               | Lecture           | Practical | Lecture            | Practical |                                                                        |
| 1. UG         | 5                 | 3         | 150                | 90        | Special classes will be taken for the periods missed during absence.   |
| 2. PG         | 3                 | 5         | 90                 | 150       |                                                                        |
| 3.            |                   |           |                    |           |                                                                        |
| 4.            |                   |           |                    |           |                                                                        |
| 5.            |                   |           |                    |           |                                                                        |
| 6.            |                   |           |                    |           |                                                                        |

#### b. Regularity & Punctuality :

I am Regular & Punctual.

#### c. Details of course teaching plan, synopses of lecturers and reading lists supplied to students :

Group and oral discussion, Advanced teaching Aids such as powerpoint presentation are given in addition to Home assignments  
Short notes and links were given for few topics.

\* (To be filled at the end of every academic year)

d. Details of participation in the following :

- i) University Evaluation : Yes.
- ii) Internal Evaluation : Regular Assignments & CIA Exams.
- iii) Paper Setting : for CIA Exams.
- iv) Assessment of Home Assignments : Records & Assignments were evaluated regularly.
- v) Conduct of Examinations : As per Autonomous scheme
- vi) Evaluation of Dissertation, etc. : M.Sc & M.Phil dissertations were evaluated.

C. DETAILS OF INNOVATIONS / CONTRIBUTION IN TEACHING, DURING THE YEAR :

- Performing the VG & PG Syllabus as per the recon scenario.
- a) Design of Curriculum : the recon scenario.
- b) Teaching : Power point presentations were given for the better understanding.
- c) Laboratory experiments : B.Sc. & M.Sc lab experiments were demonstrated and guided properly.
- d) Evaluation methods : CIA Exam, Practical Exam, Project viva voce exams are conducted.
- d) Preparation of resource material including books, reading materials, laboratory manuals, etc.
- Notes, Reading materials & PPT were given for few topics
- f) Remedial Teaching / Student Counselling (academic) : Remedial teaching and counselling were given for weak and slow learners.
- g) Any other :

D. IMPROVEMENT OF PROFESSIONAL COMPETENCE :

Details regarding refresher courses / orientation attended, participation in summer schools, workshops, seminars, symposia, etc. including open university courses / M.Phil., Ph.D.,

Attended Refresher course at University of Hyderabad during 04.08.2017 to 24.08.2017.

## E. RESEARCH CONTRIBUTIONS :

(a) Number of students (M.Phil / Ph.D)

|            | At the beginning of the year | Registered during the year | Completed during the year |
|------------|------------------------------|----------------------------|---------------------------|
| M.Phil., : | 0                            | 1                          | -                         |
| Ph.D., :   | 1                            | -                          | -                         |

(b) No. of research papers published (please enclose list) **2. ① Structural, optical & electrical properties of  $\text{In}_2(\text{Te}_{1-x}\text{Se}_x)_3$  thin films, Vacuum 147 (2018) 107-114.**

**② Preparation & characterization of Indium Chalcogenide thin films: A material for phase change memory. Applied Surface Science (APSUSC-D - 17-09829).**

(c) Research Projects :

| Title of the Project                                                            | Name of the funding Agency                             | Duration  |
|---------------------------------------------------------------------------------|--------------------------------------------------------|-----------|
| Phase change memory properties of SHI Irradiated metal chalcogenide thin films. | Inter University Accelerator Centre (IUAC), New Delhi. | 2015-2018 |

(d) Details of seminars, conferences, symposia organised : **06-07.9.17 (Workshop on Mathematical physics), 06-08.12.17 (Science Academies lecture workshop), 27.28 Feb, 1. March National Science day (Tesla 18), 05.4.18 In. workshop on Material for Energy, Environm. and Biological applications.**

(e) Patents taken, if any, give a brief description : **NIL**

(f) Membership of professional bodies, Editorship of Journals, etc. :

**Reviewer in International journal of Engineering Research.**

## F. EXTENSION WORK / COMMUNITY SERVICE :

(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, etc.

**Sky watch and planetarium was conducted to create the scientific temper among students on Astronomy & Astrophysics.**

ii) National Literacy Mission :

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

G. PARTICIPATION IN CORPORATE LIFE : (Please give a short account of your contribution to)

CIA Exam Committee member.

a) College / University / Institution : Member in Board of studies.

b) Co-curricular activities : The students are given encouragement and guidance to take part in co-curr. activities.

c) Enrichment of campus life (Hostels, Sports, Games, Cultural activities) : Committee member in college day / Sports day celebrations.

d) Students Welfare & Discipline : Insists the students to maintain the clean campus, discipline and to follow the dress codes & Tag.

e) Membership / Participation in Bodies / Committees on Education & National Development :

Life member in Indian Science Congress Association.

f) Professional Organization of Teachers :

H. ASSESSMENT

Steps taken by you for the evaluation of the course programme taught :

- \* Insists the students to learn by practical examples.
- \* Apart from CIA exams, I used to conduct the class test in regular intervals and got feedback about the subjects taught from the students and will address the same on next class.

I. GENERAL DATA : State brief assessment of your performance indicating

(a) Achievements (b) Difficulties faced and (c) Suggestions for improvement :

Signature of the HOD

**DR. SATHYAMOORTHY**  
M.Sc., M.Phil., Ph.D., PGDCA.,  
Associate Professor & Head,  
Department of Physics,  
Kongunadu Arts & Science College,  
COIMBATORE - 641 029.

Signature of the Teacher

J. \* VERIFICATION OF FACTUAL DATA

a. General Information : Verified -

b. Teaching : Excellent

c. Details of innovations / contribution in teaching, during the year : Adequate

d. Improvement of Professional Competence : Adequate

e. Research Contributions : Excellent

f. Extension Work / Community Service : Excellent

g. Participation in Corporate Life :

Signature of the person authorised \*