

REGISTRATION FORM

PG and Research Department of Physics
Raja Doraisingam Govt Arts College
Sivaganga-630 561

PHYSICS ALUMNI SPONSORED

One Day National Seminar on

HIGHLIGHTS OF PHYSICS IN CURRENT SCENARIO

10th March 2020

Name of the College:

Total number of participants:

Name of the participant

Student /Research Scholar/Faculty member

Address for Communication:

Contact Mobile No:

Email ID:

Seal

Signature of the HOD

Please send a duly filled in registration form in the above format and addressed to the Organizing Secretary or email (scanned copy) on or before 03-03-2020.

Registration fee:

Students/ Research Scholars: Rs.100/-

Faculty Members: Rs. 200/-

The registration fee includes Registration kit, Lunch and Refreshment. Participants can pay the necessary registration fee by cash on the spot.

Contact Address:

Dr. A. Cyrac Peter

Assistant Professor

Organizing Secretary

PG and Research Department of Physics

Raja Doraisingam Govt Arts College

Sivaganga-630 561

E-mail: cyrac.peter@gmail.com

Mobile Nos: 9443209336, 9487055257, 9865040724

ORGANIZING COMMITTEE

Chair Person

Dr. P. HEMALATHA

The Principal

Convener

Dr. M. STALIN MANO GIBSON

Head, PG & Research Department of Physics

Organizing Secretary

Dr. A. CYRAC PETER

Organizing Committee Members

Dr. Ra. SHANMUGAVADIVU

Dept. Co-ordinator, Physics Alumni Association

Dr. S. MAHALAKSHMI

Dept. in-charge, Physics Alumni Association

Dr. M. PANDIARAMAN

President, Physics Alumni Association

Dr. C. AMUTHA

President, Physics Alumni Association

Dr. A. DHANALAKSHMI

Secretary, Physics Alumni Association

Mrs. G. VIJI

Joint Secretary, Physics Alumni Association

Mrs. R. REVATHI

Mr. B. KALEESWARAN

Mr. G. VINOTHKUMAR

Treasurer, Physics Alumni Association

Ms. S. SANGEETHA



Raja Doraisingam Government Arts College
Reaccredited with 'B' status by NAAC
(Affiliated to Alagappa University, Karaikudi)
Sivaganga – 630561.

PHYSICS ALUMNI SPONSORED

One Day National Seminar on

HIGHLIGHTS OF PHYSICS IN CURRENT SCENARIO

10th March 2020



Organised by
PG & Research Department of Physics
Raja Doraisingam Govt. Arts College
Sivaganga – 630 561
www.rdgacollege.in

ABOUT THE COLLEGE

Raja Doraisingam Government Arts College, Sivaganga had a historical and social significance in the pre-independence India. The illustrious founder, Raja Srimath Vijaya Ragunatha Gowrivallabha Doraisingam Shanmugaraja, the then ruler of Sivaganga, genuinely desired to light the lamp of higher education in this economically and socially backward region of Tamilnadu and established the college on 11th August 1947, naming the institution in remembrance his father Raja Doraisingam. With boundless generosity, he allotted the 'Gowri Vilas Palace' for the functioning of the College, besides gifting out the entire stock of his precious books, his club house and play grounds to the College. The College premise is with a total area of 216.65 acres of land reveal the broad vision of the founder for future expansion and development.

The college, originally started as a Private College, affiliated to the University of Madras, when under the fold of Madurai Kamaraj University, Madurai, it underwent a transition in 1977 and came under the administrative regime of the Tamilnadu Government as per Private Colleges (regulating) Act 1976. Ultimately, it became a Government College with effect from 1st July 1981 and is now affiliated to Alagappa University, Karaikudi. The college is offering 12 UG, 11 PG and 9 M.Phil. programs in different subjects besides Alagappa University has recognized 9 departments as Research Centres for Ph.D. program. Since 1947, several educational stalwarts have served as Principals, Professors and Lecturers leading the destiny of the College and contributing to the achievement of the vision of the Founder towards enhancing access of aspirants to higher education and offering quality education in a backward region. The present team consists of 68 regular faculty members and 69 guest lecturers. The NACC has re-accredited the institution with "B" Grade in 2016 which reflects the academic excellence.

DEPARTMENT OF PHYSICS: A PROFILE

The Department of Physics of Raja Doraisingam Government Arts College was started as one of the earliest departments in the year of 1951. The undergraduate program in Physics was started in the academic year 1971-72. Due to the high demand for this program, since 2007, another set of students are graduated in the afternoon shift. The post graduate program was started in the year 2011-12 and the department was upgraded as Research Centre by introducing M.Phil. and Ph.D. programs in the year 2013-14. Seven students have obtained their doctoral degree and four students are currently pursuing Ph.D. degree.

All the members of the faculty obtained their doctoral degree and they are well experienced in the various fields like Lattice Dynamics, Polymer based Nano materials, metal oxides and ferrite nano materials and non linear optical materials. The research lab is well equipped with equipments like microwave assisted synthesis of nano particles, Ultrasonic Interferometer, Constant Temperature Bath for thin films deposition, Centrifuge Apparatus for nano materials synthesis, a designed tool for thin film coating towards solar cell applications, Two numbers of Muffle Furnaces, High Temperature Hot Air Oven and Auto Claves etc. The department provides sufficient research facilities for the research scholars.

ABOUT THE SEMINAR

Research in the Physics of materials plays an important role in contemporary global technology. The seminar portrays on the basis of nano-materials and its applications in bio sensors, the energy storage devices, quantum dot applications and single crystals in opto-electronic devices which are the some of the challenging areas. The aspects of quantum mechanics enlighten the theoretical background of material's research in the minds of young graduates in Physics.

PROGRAM SCHEDULE

Venue	: College Auditorium
Registration	: 8:30 am - 9:30 am
Inauguration	: 9:30 am - 10:15 am
Tea Break	: 10:15 am - 10:30 am
Session I	: 10:30 am - 11:30 am

Single Crystal for Technological Applications
Dr. S. BRAHADEESWARAN, Professor
Department of Physics, Anna University,
BIT Campus, Trichy.

Session II : 11:30 am - 12:30 pm

Nanotechnology for Sensor and Energy Storage Applications
Dr. I. VETHAPOTHEHER, Asst. Professor
Department of Physics, Anna University,
BIT Campus, Trichy.

Lunch Break : 12:30 pm - 1:30 pm

Session III : 1:30 pm - 2:30 pm

Biosensors - An overview
Dr. J. WILSON, Asst. Professor
Dept. of Bioelectronics & Bio sensors,
Alagappa University, Karaikudi.

Session IV : 2:30 pm - 3:30 pm

Quantum Supremacy
Dr. A. BASHERRUDIN MAHMUD AHMED,
Asst. Professor Dept of Theoretical Physics,
Madurai Kamaraj University, Madurai.

Tea Break : 3:30 pm - 3:45 pm

Valedictory Function : 3:45 pm