

Department of Physics
Minutes of Meeting of Board of Studies in Physics (UG) held on 24-11-2021

A Meeting of the Board of studies in Physics (UG) was held on 24-11-2021 at 03.00 pm in online mode through Google Meet. The following members were present for the meeting.

Chairman: Dr. A. Albert Irudayaraj

Members:

Mr. C. Tirupathi
Mr. D. Daniel Lawrence
Mr. M. Aravinthraj
Dr. S. Kalaiarasi
Mr. D. Rajkumar
Dr. A. Dhayal Raj
Mr. N. Madhavan
Dr. M. Jose
Dr. S. A. Martin Britto Dhas
Rev. Dr. G. Theophil Anand
Mr. G. Jayakumar
Mr. L. Anandaraj
Dr. S. John Sundaram
Rev. Dr. Gandhi Kallarasan
Dr. P. Kannappan

University Nominee:

Dr. D. Jaikumar
Head, Department of Physics,
Voorhees College, Vellore

Subject Expert:

Dr. J. Suresh
Principal & Associate Professor,
Department of Physics,
The Madura College (Autonomous), Madurai

Alumnus:

Mr. M. Selvam
Assistant Headmaster and PG Assistant in Physics,
Government Hr. Sec. School,
Palnangkuppam, Tirupattur

Industrialist:

Mr. S. Naresh
HR Representative II, Caterpillar India Pvt. Ltd.,
Small Drivetrain systems, Hosur.

Students representatives:

Bruce Thinakaran R (AU190315), III B. Sc. Physics.
Ronishailanto R (AU190323), III B. Sc. Physics.
Roshini P. A (BU190301), III B. Sc. Physics.
Poovarasana S (BU190322), III B. Sc. Physics.

Mr. R. Ramesh expressed his inability to attend the meeting.

Agenda:

1. To consider the syllabi and evaluation pattern of courses/papers in B.Sc. Physics (Main) curriculum, Non Major Elective courses and the Allied Physics courses for the students admitted during 2017-18 and thereafter.
2. To consider the syllabi and evaluation pattern of courses/papers in B.Sc. Physics (Main) curriculum, Non Major Elective courses and the Allied Physics courses for the students admitted during 2021-22 and thereafter.

Resolutions:

1. Considered the syllabi and evaluation pattern of courses/papers in B.Sc. Physics (Main) curriculum, Non Major Elective courses and the Allied Physics courses for the students admitted during the year 2017-18 and thereafter.

It was resolved to adopt the existing syllabi and evaluation pattern of courses/papers in B.Sc. Physics (Main) curriculum, Non Major Elective courses and the Allied Physics courses for the students admitted during the year 2017-18 and thereafter.

2. Considered the syllabi and evaluation pattern of courses/papers in B.Sc. Physics (Main) curriculum, Non Major Elective courses and the Allied Physics courses for the students admitted during the year 2021-22 and thereafter.

It was resolved to adopt the existing syllabi and evaluation pattern of courses/papers in B.Sc. Physics (Main) curriculum, Non Major Elective courses and the Allied Physics courses for the students admitted during the year 2021-22 and thereafter.

Dr. A. Albert Irudayaraj
Chairman

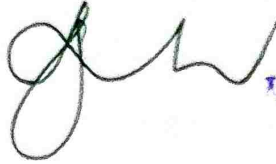


Dr. D. Jaikumar
University Nominee



Dr. D. JAIKUMAR
M.Sc., M.Phil., M.Ed., Ph.D
Assistant Professor and Head
Department of Physics
Voorhees College, Vellore-632001

Dr. J. Suresh
Subject Expert

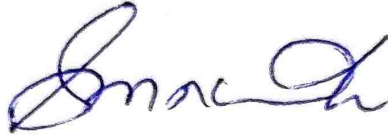


PRINCIPAL
THE MADURA COLLEGE (Autonomous)
MADURAI - 625 011

Mr. M. Selvam
Alumnus



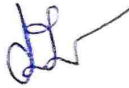
Mr S. Naresh,
Industrialist



Mr. C. Tirupathi



Mr. D. Daniel Lawrence



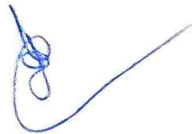
Mr. M. Aravinthraj



Dr. S. Kalaiarasi



Mr. D. Rajkumar



Dr. A. Dhayal Raj



Mr. N. Madhavan



Dr. M. Jose



Dr. S. A. Martin Britto Dhas



Rev. Dr. G. Theophil Anand



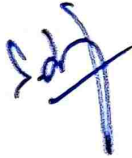
Mr. G. Jayakumar



Mr. L. Anandaraj



Dr. S. John Sundaram



Rev. Dr. Gandhi Kalarasan



Dr. P. Kannappan



R. Bruce Thinakaran



R. Ronishailanto



P.A. Roshini



S. Poovarasam



PG and Research Department of Physics
Minutes of the Board of Studies in Physics (UG) Meeting held on 26-3-2022

A Meeting of the Board of studies in Physics (UG) was held on 26-3-2022 at 11 am in the Board room. The following members were present for the meeting.

Chairman: **Dr. A. Albert Irudayaraj**

Members:

Mr. C. Tirupathi
Mr. D. Daniel Lawrence
Mr. M. Aravinthraj
Dr. S. Kalaiarasi
Mr. R. Ramesh
Dr. A. Dhayal Raj
Dr. M. Jose
Dr. S. A. Martin Britto Dhas
Mr. N. Madhavan
Mr. G. Jayakumar
Dr. S. John Sundaram
Rev. Dr. Gandhi Kallarasan

University Nominee : **Dr. D. Jaikumar,**
Assistant Professor & HOD of Physics,
Voothrees College, Vellore-632001.

Industrialist : **Mr. S. Naresh,**
HR Representative II, Caterpillar India Pvt. Ltd.,
Small Drivetrain systems,
Hosur.

Alumnus: **Mr. M. Selvam,**
Assistant Head Master,
Higher secondary School, Palnakupam,
Tirupattur.

Student representatives: R. Bruce Thinakaran (AU100315), III B. Sc. Physics
A. Keerthika(AU190351), III B. Sc. Physics
S.Deepika (BU180301), III B.Sc. Physics
S. Shashi Kumar (BU180354), III B.Sc. Physics

Dr. J. Suresh (subject expert), Rev. Dr. Theophil Anand, Mr. D. Rajkumar and Mr. L. Anandaraj expressed their inability to attend the meeting.

Agenda:

- To discuss and approve the program specific outcomes(PSO) of B. Sc. Physics program.
- To discuss and approve the Course outcomes (CO) for all the courses offered under choice based credit system in the I and II semesters of B. Sc. Physics program and Allied Physics courses offered in the I and II semesters of B. Sc. Mathematics program for students admitted during 2021-22 and thereafter.
- To discuss and suggest the panel of question paper setters/answer paper evaluators to the CoE office for the courses offered under choice based credit system in B. Sc. Physics curriculum and Allied Physics courses for students admitted during 2021-22 and thereafter.

Resolutions:

1. Considered the program specific outcomes(PSO) for B. Sc. Physics program.
After due deliberations and detailed discussion, it was decided to approve the following program specific outcomes(PSO) for B. Sc. Physics program.
2. Considered the Course outcomes (CO) for all the courses offered under choice based credit system in the I and II semesters of B. Sc. Physics program and Allied Physics courses offered in the I and II semesters of B. Sc. Mathematics program for students admitted during 2021-22 and thereafter.

After due deliberations and detailed discussion, it was decided to approve the following Course outcomes (CO) for the courses offered under choice based credit system in the I and II semesters of B. Sc. Physics program and Allied Physics courses offered in the I and II semesters of B. Sc. Mathematics program for students admitted during 2021-22 and thereafter.

3. Considered the panel of question paper setters/answer paper evaluators to be suggested to the CoE office for the courses offered under choice based credit system in B. Sc. Physics curriculum and Allied Physics courses for students admitted during 2021-22 and thereafter.

After due deliberations and detailed discussion, it was decided to suggest the following panel of of question paper setters/answer paper evaluators to the CoE office for the courses offered under choice based credit system in B. Sc. Physics curriculum and Allied Physics courses for students admitted during 2021-22 and thereafter.

Program Specific Outcomes (PSO) of B. Sc. Physics Program

Upon completion of the B. Sc. Physics program

- Students will acquire a strong knowledge and deep understanding of core physics concepts, principles, theories and applications of selected topics in Physics.
- Students will acquire laboratory skills/practical skills. They will be able to handle optical, electrical and electronic instruments effectively to take measurements/observations. They will be able to construct electrical and electronic circuits, identify and rectify faults in circuits and study their performance.
- Students will develop analytical and scientific reasoning skills. They will be able to analyze the measurements/observations, construct logical arguments, draw valid conclusions and apply analytical skills to solve physics problems.
- Students will display a capacity for self management, teamwork, leadership and decision making. They will be able to discuss, debate and communicate in a clear and logical way, in oral and written form.
- Students will develop self-confidence and self-reliance to face various competitive and professional examinations. Students will learn to respect and value social, cultural and personal diversity.

Course outcomes of the Physics courses in the I and II semesters of B. Sc. Physics curriculum

Mechanics

Semester: I
Course Code: P113

Hours / week: 3
Credits: 3

Sl. No.	Course outcomes	Knowledge level
	On successful completion of the course, the students will be able to	
CO1	Differentiate between centre of mass and centre of gravity of objects and will be able to determine the Center of gravity of spheres and cones.	K2, K3
CO2	Apply the knowledge of circular motion to explain the concept of banking of curves.	K3, K4
CO3	State the laws of impact and Assess the loss of K.E. due to direct and oblique impact of two smooth spheres.	K1, K5
CO4	Determine the M.I. of solid sphere and spherical shell about a diameter and the M.I. of a compound pendulum about an axis through its centre of gravity.	K3
CO5	Derive Euler's equation and elucidate Bernoulli's theorem.	K6, K2
CO6	Solve simple problems related to circular motion, projectiles, Impact and Rotational motion of rigid bodies.	K6

Properties of Matter

Semester : I
Course Code: P114

Hours/week : 3
Credits : 3

Sl. No.	Course outcomes	Knowledge level
	On successful completion of the course, the students will be able to	
CO1	Define and derive the relation between elastic constants and Poisson's ratio.	K1, K6
CO2	Evaluate the work done in stretching and twisting a wire and Determine the rigidity modulus of materials in the form of wire and rod.	K5, K3
CO3	Determine the Young's modulus of the materials of a beam by subjecting it to uniform and non-uniform bending.	K3
CO4	Differentiate between Viscosity and surface tension. They will be able to describe Poiseuille's method and Searle's method of determining viscosity of liquids and explain the theory behind the methods.	K2, K1, K4
CO5	Distinguish between surface tension and interfacial surface tension of liquids and explain drop weight method of determining their values for liquids.	K2, K4
CO6	Compare and contrast between osmosis and diffusion and derive expression for rate of diffusion on the basis of Kinetic theory of matter.	K2, K6

Heat and Thermodynamics

Semester : II
Course code: P212

Hours / Week: 3
Credits: 3

Sl. No.	Course outcomes	Knowledge level
	On successful completion of the course, the students will be able to	
CO1	Distinguish between thermal capacity and specific heat capacity, C_P and C_V of a gas. They will be able to develop Vanderwaal's equation of state and derive expressions for critical constants in terms of Vanderwaal's constants.	K2, K6
CO2	Define coefficient of thermal conductivity of a material and describe experimental methods for determining thermal conductivity of a good and a bad conductor.	K1
CO3	Explain Planck's quantum theory of radiation and interpret energy distribution in the spectrum of a black body radiation.	K4, K2
CO4	Explain Boltzmann's Law of equipartition of energy and	K4, K3, K5

	apply it to find the specific heat capacity of mono atomic and diatomic gases.	
CO5	Describe Joule Thomson effect, explain the different methods of producing low temperature and liquefaction of Hydrogen and Helium.	K1, K4
CO6	State the laws of thermodynamics, explain the working of Otto engine, define thermodynamic potentials, derive Maxwell's relations and deduce Clausius-Clapeyron Equation.	K1, K4, K6

Waves and Oscillations

Semester: II

Hours / week: 3

Course Code: P213

Credits: 3

Sl. No.	Course outcomes	Knowledge level
	On successful completion of the course, the students will be able to	
CO1	Explain the different types of waves and derive expressions for plane progressive waves and energy of progressive waves.	K2, K6
CO2	Distinguish between progressive and stationary waves, derive expressions for stationary waves and energy of stationary waves, explain the concept of beats and apply their knowledge on beats to estimate the frequency of sound waves.	K2, K6, K4, K5
CO3	Explain Simple Harmonic Motion, derive expression for the resultant motion of a particle subjected to two SHMs of equal periods acting at right angles to each other and predict the shape of the curve traced by the particle.	K2, K6
CO4	Define, differentiate and derive expressions for free, damped and forced vibrations and determine the frequency of a.c. using sonometer.	K1, K2, K6, K3
CO5	Define reverberation time, summarize the factors affecting acoustics of buildings and suggest ways to improve acoustics of buildings.	K1, K2
CO6	Enumerate the production, detection and applications of ultrasonic waves.	K2

Physics Main Practicals – I
Any 20 experiments

Semester : I & II
 Course code : PP207

Hours/Week : 4
 Credits: 8

Sl. No.	Course outcomes	Knowledge level
	On successful completion of the course, the students will be able to	
CO1	Acquire laboratory skills/practical skills, a capacity for self management and teamwork,. They will be able to handle optical, electrical and electronic instruments effectively to take measurements/observations.	K5
CO2	Develop analytical and scientific reasoning skills. They will be able to analyze the measurements/observations to draw valid conclusions.	K4, K5
CO3	Determine the Young's modulus of materials in the form of beam, the rigidity modulus of materials in the form of wire, Viscosity, surface tension and Interfacial surface tension of liquids and recall the theory behind the experiments.	K3, K1
CO4	State the laws of transverse vibration of strings and measure the frequency of tuning forks and ac using sonometer.	K1, K5
CO5	Determine the focal length of convex and concave lenses, measure the refractive index of material of a prism using spectrometer and estimate the thickness of a thin wire by forming air wedge.	K3, K5, K2
CO6	Design experiment to study the characteristics of Zener diode, construct stabilized power supply using zener diode, construct basic logic gates using diodes and transistor and examine their operation.	K6, K3, K4

Allied Physics for Mathematics-I

Semester: I
Course Code: AP105A

Hours/week: 4
Credits: 3

Sl. No.	Outcomes	Knowledge level
	On successful completion of the course, the students will be able to	
CO1	Distinguish between centre of mass and centre of gravity of objects, state the laws of impact and calculate the loss of kinetic energy due to direct impact of smooth spheres.	K2, K1, K3
CO 2	Determine the Young's modulus of materials in the form of rod and rigidity modulus of material in the form of wire and explain the theory behind the experiments.	K3, K4
CO 3	Define and measure the viscosity and the surface tension of liquids	K1, K5
CO 4	Distinguish between C_p and C_v of a gas, describe experiments to measure the value of C_p and C_v of gas, thermal conductivity of poor conductors and different methods of producing low temperature.	K2, K1
CO 5	Differentiate between Spherical aberration and chromatic aberration in lenses, suggest ways to minimize them.	K2, K5
CO 6	Explain interference and polarization of light and perform experiment to determine the thickness of a thin wire by forming air wedge.	K4, K6

Allied Physics for Mathematics-II

Semester: II
Course Code: AP205A

Hours/week: 4
Credits: 3

Sl. No.	Outcomes	Knowledge level
	On successful completion of the course, the students will be able to	
CO1	Explain working principle of lasers and describe the applications of Lasers and Optical fibers.	K2, K1
CO2	Define SHM and derive expression for the resultant motion of a particle subjected to two SHMs acting at right angles.	K1, K2
CO3	State laws of transverse vibration of strings, determine the frequency of AC using a Sonometer and describe methods of production and detection of ultrasonics.	K1, K3
CO4	Specify and explain the Quantum numbers associated with the vector atom model, state the laws of Photoelectric effect and derive Einstein's photoelectric equation.	K1, K6
CO5	Determine the value of a resistor from its colour coding, explain the growth and decay of current in a circuit containing resistance and inductance and design an experiment to calibrate a low range voltmeter.	K4, K2, K6,
CO6	Construct two inputs AND, OR gates using diodes and NOT gate using Transistor, examine their operation and evaluate their performance,	K6, K4, K5

Allied Physics Practicals for Mathematics

Semester- I & II
Course Code : PAP205A

Hours/week: 2
Credits: 2

Sl. No.	Outcomes	Criteria/ Mapping
	On successful completion of the course, the students will be able to	
1	Understand and Explain the theoretical concepts behind the experiments	K2, K1
2	Analyze the observed data and infer logical conclusions	K4, K2
3	Define and determine the value of a physical quantity without error	K1, K3
4	Design simple electrical and electronic circuits and test their operation	K6, K5
5	Locate, detect and rectify faults in simple electrical and electronic circuits	K1, K5, K6
6	Apply their knowledge to choose proper optical, electrical and electronic measuring instruments and illustrate their effective usage	K3, K4

Panel of External Question paper setters/examiners for the courses in B. Sc. Physics program and Allied Physics courses

P113 - Mechanics				
S. No.	Name	Institution	Mobile	E-Mail
1	Dr.P.Jagdish	Department of Physics, Rajah Serfoji Government College, Thanjavur	9443762446	jaggpaddy@gmail.com
2	Mr.T.Kubendiran	Department of Physics, Kalignar Karunanidhi Government Arts College, Tiruvannamalai	9789190787	kubiphy@yahoo.com
3	Dr.P.Sathya	Department of Physics, Salem Sowdeswari College, Salem	9095685600	sathyameyvel@gmail.com

P114 - Properties of Matter

S. No.	Name	Institution	Mobile	E-Mail
1	Dr.P.Hemalatha	Department of Physics, Government Arts College, Coimbatore	9894052774	shrihemakumar@gmail.com
2	Dr.A.Nishara Begum	Department of Physics, Chikkaiah Naicker College, Erode	9443544946	anishara@yahoo.com
3	Dr.M.Saravanakumar	Department of Physics, Gobi Arts & Science College, Gobichettipalayam	9942095222	saranspectra@gmail.com

P212 - Heat and Thermodynamics

S. No.	Name	Institution	Mobile	E-Mail
1	Dr.K.Paulraj	Department of Physics, PMT College, Usilampatti	9790094218	rajdinagopi@gmail.com
2	Dr.P.Hemalatha	Department of Physics, Government Arts College, Coimbatore	9894052774	shrihemakumar@gmail.com
3	Dr.P.Jagdish	Department of Physics, Rajah Serfoji Government College, Thanjavur	9443762446	jaggpaddy@gmail.com

P213 - Waves and Oscillations

S. No.	Name	Institution	Mobile	E-Mail
1	Dr.K.Paulraj	Department of Physics, PMT College, Usilampatti	9790094218	rajdinagopi@gmail.com
2	Mr.T.Kubendiran	Department of Physics, Kalignar Karunanidhi Government Arts College,	9789190787	kubiphy@yahoo.com
3	Dr.B.Shalini	Department of Physics, Auxilium College, Katpadi	9655021959	shalinib23@yahoo.co.in

P314 - Electricity and Magnetism

S. No.	Name	Institution	Mobile	E-Mail
1	Dr.S.Meyvel	Department of Physics, Chikkaiah Naicker College, Erode	9025459171	meyvelphd@gmail.com
2	Dr.K.Paulraj	Department of Physics, PMT College, Usilampatti	9790094218	rajdinagopi@gmail.com
3	Dr.B.Ravindran	Department of Physics, Thiru Vi Ka Government Arts College, Tiruvarur	9443171560	Kavitsk14@gmail.com

P315 - Optics

S. No.	Name	Institution	Mobile	E-Mail
1	Dr.D.Jaikumar	Department of Physics, Voorhees College, Vellore	9443037437	tdjjaikumar@gmail.com
2	Dr.N.Meenakshi Sundaram	Department of Physics, LRG Government College for Women, Tiruppur	9566302759	nmsundaram75@gmail.com
3	Dr.M.Elango	Department of Physics, PSG College of Arts and Science, Coimbatore	9940709507	elangops205@gmail.com

P415 - Modern Physics

S. No.	Name	Institution	Mobile	E-Mail
1	Dr.K.Paulraj	Department of Physics, PMT College, Usilampatti	9790094218	rajdinagopi@gmail.com
2	Dr.P.Jagdish	Department of Physics, Rajah Serfoji Government College, Thanjavur	9443762446	jaggpaddy@gmail.com
3	Dr.G.Shanmugavelayutham	Department of Physics, Bharathiar University, Coimbatore	9551282965	sgsvelu@buc.edu.in

P416 - Electromagnetism

S. No.	Name	Institution	Mobile	E-Mail
1	Dr.S.Meyvel	Department of Physics, Chikkaiah Naicker College, Erode	9025459171	meyvelohid@gmail.com
2	Mr.T.Kubendiran	Department of Physics, Kalignar Karunanidhi Government Arts College,	9789190787	kubiphy@yahoo.com
3	Dr.K.Paulraj	Department of Physics, PMT College, Usilampatti	9790094218	rajdinagopi@gmail.com

P541 - Classical mechanics and Statistical Physics

S. No.	Name	Institution	Mobile	E-Mail
1	Dr.D.Jaikumar	Department of Physics, Voorhees College, Vellore	9443037437	tsdjaikumar@gmail.com
2	Dr.R.Shankar	Department of Physics, Bharathiar University, Coimbatore	9080652680	rshankar@buc.edu.in
3	Dr.P.Sathya	Department of Physics, Salem Sowdeswari College, Salem	9095685600	sathyameyvel@gmail.com

P542 - Semiconductor Devices and their Applications

S. No.	Name	Institution	Mobile	E-Mail
1	Dr. R. Robert	Department of Physics, Government Arts College for Men, Krishnagiri	9443982828	roberthosur@yahoo.co.in
2	Dr.K.Paulraj	Department of Physics, PMT College, Usilampatti	9790094218	rajdinagopi@gmail.com
3	Dr.M.Saravanakumar	Department of Physics, Gobi Arts & Science College, Gobichettipalayam	9942095222	saranspectra@gmail.com
4	Dr.P.Sathya	Department of Physics, Salem Sowdeswari College, Salem	9095685600	sathyameyvel@gmail.com

P543 - Solid State Physics

S. No.	Name	Institution	Mobile	E-Mail
1	Dr.D.Jaikumar	Department of Physics, Voorhees College, Vellore	9443037437	tsdjaikumar@gmail.com
2	Dr.P.Hemalatha	Department of Physics, Government Arts College, Coimbatore	9894052774	shrihemakumar@gmail.com
3	Dr.N.Meenakshi Sundaram	Department of Physics, LRG Government College for Women, Tiruppur	9566302759	nmsundaram75@gmail.com

P544 - Mathematical Physics

S. No.	Name	Institution	Mobile	E-Mail
1	Dr.P.Dhanasekaran	Department of Physics, Government Arts and Science College,	9789731090	dhanasekaranp1@gmail.com
2	Mr.T.Kubendiran	Department of Physics, Kalignar Karunanidhi Government Arts College,	9789190787	kubiphy@yahoo.com
3	Dr.P.Jagdish	Department of Physics, Rajah Serfoji Government College, Thanjavur	9443762446	jaggpaddy@gmail.com

P545A - Nanomaterials and Their Applications

S. No.	Name	Institution	Mobile	E-Mail
1	Dr.N.Priyadharsini	Department of Physics, PSGR Krishnammal College for Women,	9942460041	priyadharsini.natarajan@gmail.com
2	Dr.T.Mathavan	Department of Physics, NMSSVN College, Madurai	9486953567	tjmathavan@gmail.com
3	Dr.P.Anuradha	Department of Physics, Government Arts and Science College, Erode	9345647738	anusham.scorpio@gmail.com

P545B - Electronic Communication Systems				
S. No.	Name	Institution	Mobile	E-Mail
1	Dr.S.Ashokraj	Department of Physics, Government Arts College (Autonomous), Kumbakonam	9994305926	rajsoundarphysics@gmail.com
2	Dr.P.Sathya	Department of Physics, Salem Sowdeswari College, Salem	9095685600	sathyameyvel@gmail.com
3	Dr. P. Jagdish	Department of Physics, Rajah Serfoji Government College, Thanjavur	9443762446	jaggpaddy@gmail.com

P545C - Renewable Energy and Energy Harvesting				
S. No.	Name	Institution	Mobile	E-Mail
1	Dr. Senthilnathan V.	Department of Physics, Chikkanna Govt. Arts College, Tirupur	9488441259	nathas.com@gmail.com
2	Dr. K. Raghu	Department of Physics, Thiru Vi Ka Government Arts College, Tiruvarur	9486402099	raghuk.phy@gmail.com

P546B - 8085 Microprocessor and its applications				
S. No.	Name	Institution	Mobile	E-Mail
1	Dr. J. Mohemed Ali	Department of Physics, Islamiah College, Vaniyambadi	8668040478	jmaphy74@gmail.com
2	Dr. D. Jaikumar	Department of Physics, Voorhees College, Vellore	9443037437	tsdjaikumar@gmail.com
3	Dr. M. Saravanakumar	Department of Physics, Gobi Arts & Science College, Gobichettipalayam	9942095222	saranspectra@gmail.com

P637 - Applied Electronics

S. No.	Name	Institution	Mobile	E-Mail
1	Dr. R. Robert	Department of Physics, Government Arts College for Men, Krishnagiri	9443982828	roberthosur@yahoo.co.in
2	Dr. J. Mohemed Ali	Department of Physics, Islamiah College, Vaniyambadi	8668040478	jmaphy74@gmail.com
3	Dr. A. Anis Fathima	Department of Physics, Government Arts College, Udumalpet	9176624423	anismaaz@gmail.com
4	Mrs. S. Anitha	Department of Physics, Avinashilingam Institute for Home Science & Higher Education for Women,	8508094679	anitha_phy@avinuty.ac.in

P638 - Nuclear and Particle Physics

S. No.	Name	Institution	Mobile	E-Mail
1	Dr. S. Ashokraj	Department of Physics, Government Arts College (Autonomous), Kumbakonam	9994305926	rajsoundarphysics@gmail.com
2	Dr. S. Meyvel	Department of Physics, Chikkaiah Naicker College, Erode	9025459171	meyvelphd@gmail.com
3	Dr. A. Anis Fathima	Department of Physics, Government Arts College, Udumalpet	9176624423	anismaaz@gmail.com

P639 - Quantum Mechanics and Relativity

S. No.	Name	Institution	Mobile	E-Mail
1	Dr. P. Hemalatha	Department of Physics, Government Arts College, Coimbatore	9894052774	shrihemakumar@gmail.com
2	Dr. P. Nisha Santhakumari	Department of Physics, Auxilium College, Katpadi	9443864950	nisha@auxiliumcollege.edu.in
3	Dr. B. Shalini	Department of Physics, Auxilium College, Katpadi	9655021959	shalinib23@yahoo.co.in

AP105A - Allied Physics for Mathematics – I

S. No.	Name	Institution	Mobile	E-Mail
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AP205A - Allied Physics for Mathematics – II

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AP309A - Allied Physics for Chemistry – I

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AP409A - Allied Physics for Chemistry - II

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AP309B - Allied Physics for Computer Science - I

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P546A - Programming in C				
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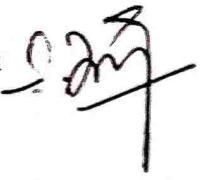
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