

J.J. College of Arts and Science (Autonomous), Pudukkottai – 622 422

PG and Research Department of Physics

Guest Lecturer Programme

The Department of Physics, J.J. College of Arts and Science (Autonomous), Pudukkottai arranged a special lecture programme on Wednesday 20.07.2022. **Dr. M. Kumaresavanji** Assistant Professor and Principal Investigator, Nanomaterials Laboratory, Department of Physics, National College (Autonomous), Tiruchirappalli, TN.

Dr. M. Kumaresavanji delivered a speech on "Physics behind the Nanotechnology". Nanotechnology is the leading applied science of 21st century and has gained immense attention due to their ability to construct smaller size gadgets. It brings revolutionary changes in the field of life sciences including drug delivery, diagnostics and production of biomaterials. Nanotechnology is employed in almost all the field of research to have potential applications.

Nanoparticles are the essential building blocks of nanotechnology due to their fascinating properties like small size, shape, large specific surface area, crystalline structure etc. Nanostructured materials can possess improved properties when compared to their bulk counterparts. The large surface-to-volume ratio of nanostructures leads to dramatic changes in their physical properties. These properties can be interpreted from the Physics principles.

Dr. M.K. Murali, Head and Assistant Professor of Physics, presided over the meeting. Sri Vaishnavi R. Ragi Krishna and R. Hima , II M.Sc. Physics welcomed the gathering and A. Hemalatha, M. Kavya, B. Bhavani, M. Madhumitha, and D. Kanimozhi, III B.Sc. Physics proposed the vote of thanks.

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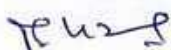
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Guest Lecturer Programme

The Department of Physics, J.J. College of Arts and Science (Autonomous), Pudukkottai arranged a special lecture programme on Monday 08.08.2022. **Dr. M. Senthilvelan, Professor and Head, Department of Nonlinear Dynamics, Bharathidasan University, Tiruchirappalli – 620 024**

Dr. M. Senthilvelan gave a brief discussion on “Graphics and their importance in Physics”. More specifically, a straight line is taken to begin drawing functions that occur frequently in physics. Then quadratic polynomials and finally some higher order polynomials are discussed. In the second part, forms of trigonometry and exponential dependence are discussed. Finally, parametric curves and their phenomena in physics are introduced

Dr. M.K. Murali, Head and Assistant Professor of Physics, presided over the meeting. R. Sri Vaishnavi II M.Sc. Physics welcomed the gathering and M. Madhumitha III B.Sc. Physics proposed the vote of thanks.



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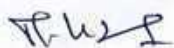
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Guest Lecturer Programme

The Department of Physics, J.J. College of Arts and Science (Autonomous), Pudukkottai arranged a special lecture programme on Wednesday 22.02.2023. **Dr. M. Jamal Mohamed Jaffar Associate Professor and Head, Department of Physics, Jamal Mohamed College (Autonomous), Tiruchirappalli, TN.**

Dr. M. Jamal Mohamed Jaffar gave a brief discussion on “The Hidden Potential in You”. The session made us to know our qualities how we are and how we should be. It was about how we should have positive mind set in all situations and make our mind away from all negativity. We should never feel inferior about our colour, height and any physical appearance. It does not matter. It is the effort that makes our life better and not the appearance. You are not defined by the place where you come from or where you studied. It is the hard work that will define us. There were many IQ questions in the session that attracted attention and made it more interesting. The whole session was completely positive.

Dr. M.K. Murali, Head and Assistant Professor of Physics, presided over the meeting. R. Sri Vaishnavi II M.Sc. Physics welcomed the gathering and D. Kanimozhi III B.Sc. Physics proposed the vote of thanks.



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