

**ACTIVITIES OF DEPARTMENT OF PHYSICS FOR THE SESSION 2018-19**

<b>Sl No.</b>	<b>Date of Seminar/webinar</b>	<b>Title of the Seminar/webinar</b>	<b>Name of the Resource Person</b>	<b>Brief Report on Seminar/webinar</b>
1.	07/09/2018	Construction and working of Transistor	Mr. Sumanta Ku. Ojha Lect. in physics , DALMIA COLLEGE , Jharbeda	The seminar was held about 11:00am and the topic of discussion was how Transistor works and how it is used for amplifying,controlling and generating electrical signals and how it is important for the world of electronics and computer.It replace bulky materials so that it is very easy to use in different places.The seminar was presented in ppt mode.
2.	24/10/2018	Rain water harvesting system with its components	Mr. Sumanta Ku. Ojha Lect. in physics , DALMIA COLLEGE , JHARBEDA	The seminar was held about 12:30pm.The topic of discussion was how to determine the rain water potential and also about channel of water,Diverters,filters(charcoal filters and sand filters)the whole process was explained by the help of charts and diagram. .The seminar was presented in ppt mode.
3.	28/11/2018	Logic Gates and its designing	Dr. Srikanta Mohanty Reader in Physics , Principal of NEELASHAILA MAHAVIDYALAYA, ROURKELA	The seminar was held about 12:00pm.the topic of discussion was about all types of Gates(AND,OR,NOT,NAND,XOR,XNOR) and how the gates are used ina digital systemand about its applications(use in push button lock, safety thermostate). .The seminar was presented in ppt mode.
4.	20/02/2019	Thermal Physics and its applications in various fields	Miss Jayshree Lakra, Lect. in Physics,GANDHI MAHAVIDYALAYA, ROURKELA	The seminar was held about 12:30pm.The topic of discussion was about Statistical mechanics and some about thermodynamic potentials and dynamics of thermal plasma and brief explanation about their application and characteristics.The seminar was presented in ppt mode.
5.	12/03/2019	Atomic Physics with its properties and its modification	Dr. Srikanta Mohanty Reader in Physics , Principal of NEELASHAILA MAHAVIDYALAYA, ROURKELA	The seminar was held about 12:30pm.The topic of discussion was about structure of atom and its energy state, its interaction with other particles and its successful application of quantum mechanics. how it is useful in the field of physics for many calcutions and experiments. .The seminar was presented in ppt mode.



