



**Loyola College, Kunkuri**  
**Kunkuri-496225, Jashpur, Chhattisgarh**

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## **Annual Report of Physics Department 2018 - 2019**

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### ***Department of Physics:***

Department of Physics in “Loyola College Kunkuri” was established in 2005 with an ambition to pursue high level of teaching theory, practical and research. Presently the department supports undergraduate program of the institute. This department has well-equipped and spacious Lab. It has excellent infrastructure.



### ***Vision:***

1. To empower students through quality education in Physics.
2. To establish a platform for creation and distribution of knowledge through teaching and research in Physics at various levels.
3. To create a scientific society which encourages logical thinking.

### ***Mission:***

1. To impart in depth knowledge of physics.
2. To develop capability to relate and use the acquired knowledge of physics in real life.
3. To encourage academic excellence.
4. To develop attitude for life time learning.
5. To orient students towards research.



5.	29 <sup>th</sup> November 2018	Self- introduction	The department always want bright future of students, so conducted a self-introduction program.
5.	8 <sup>th</sup> December 2018	Mini-Project and poster model	All year students of B.Sc. Computer science prepared their project like Anti-Gravity test, <i>turbine, mini hydraulic pressure machine, posters-like Solar system etc.</i>
6.	3 <sup>rd</sup> January 2019	Educational Tour	The department went to “Gullu Hydroelectric Project, Jashpur, Chhattisgarh, India ” as educational tour with B.Sc. computer science students for physics and environment purpose.
7.	January	Model exam	Department organized Model exam for all year students for their <i>good performance in main annual exam.</i>

## ***2. Conference Attended:***

1. Miss Asha Chauhan attended international conference on “*Innovative research in science, management and technology*” organized by department of computer science and application, Bilaspur university, Bilaspur, India in association with *MTMI, USA & India collaboration with university of Maryland Eastern Shore, Maryland, USA and Frostburg state, University, Frostburg, USA* during, August 04-05, 2018.

## ***4. Students Achievement:***

1. Pankaj Tigga of B. Sc. First year students got the first prize in quiz competition held on 22/09/2018.

2. Ayushi Nayak, Priyanka Yadav, Nisha Gupta and their group of B. Sc. first year computer science students won the first prize in poster model competition and exhibition organized by department of physics on 08/12/2018.

3. Aman Behra and their group won the second prize and Ravikant Manik, Saurabh Chouhan and group won the third prize in poster model competition and exhibition organized by department of physics on 08/12/2018.

4. Shivani Rathour of B.Sc. third year computer science students won the first prize in Mehandi Competition organized by Loyola college kunkuri on 17/12/2018.

5. Pankaj Tigga B.Sc. first year computer science student cleared the JEE MAINS examination and got the rank 3256 under ST category.

7. Ashish Soni B. Sc. third year students won the position of *“Best student of the year 2018-19”* in male category.

### ***5. Any other Innovative practices:***

**1. Self-introduction program:** The department organized self-introduction program for all year students which helps build connections, enhances self-confidence, sharpens presentation skills, build a favorable impression on 29/09/2018.

**2. Power of women inspiration program:** Miss Asha Chauhan and all year students of B.Sc. computer science students attended the lecture

by all lady's staff of Loyola college Kunkuri, organized by Department of Physics on 10/10/2018.

### **6. Faculty Profile:**

<i>S.No.</i>	<i>Name of Faculty</i>	<i>Academic Qualification</i>	<i>Teaching Experiences</i>	<i>Teaching Classes</i>
1.	Asha Chauhan	M.Sc., SET	3	B.Sc.-I, II,III
2.	Deepa Kurre	M.Sc.	-	B.Sc.-I, II,III
3.	Naveen Toppo	Diploma in electronics	5	Practicals

### **7. Degree College Course:**

<i>S. No.</i>	<i>Year</i>	<i>Course Code/Paper</i>	<i>Title</i>
1.	First Year	20P/ First paper	Mechanics, Oscillations and properties of matter.
2.	First Year	20P/ Second paper	Electricity, Magnetism, Electromagnetic theory, Vector algebra
3.	Second Year	20P/ First paper	Thermodynamics, Kinetic theory and Statistical physics
4.	Second Year	20P/ Second paper	Waves, Acoustics and Optics.
5.	Third Year	20P/ First paper	Classical mechanics, Quantum Mechanics, Atomic and Molecular physics, Nuclear physics
6.	Third Year	20P/ Second paper	Solid state physics, Solid state device and Electronics, "C" language
7.	All year students	Practical	Physics practical for all year students related to their subject.

## ***8. Department Highlights:***

- Total no. of Faculty member: 03
- Total no. of Students in B.Sc. First C.S.: 77
- Total no. of Students in B.Sc. Second C.S.: 57
- Total no. of Students in B.Sc. Third C.S.: 27
- Well equipped spacious laboratory with sophisticated test and measuring instruments and equipments such as Spectroscope, Cathode Ray Oscilloscopes, Function Generators, Galvanometer, Dielectric, Planck's Constant, Four probe, Hall effect, Transistor, PNP diodes, Tunnel Diode etc.

**Ayushi Nayak, Priyanka Yadav, Nisha Gupta and their group of B. Sc. first year computer science students won the first prize in poster model.**



**Aman Behra and their group won the second prize and Ravikant Manik, Saurabh Chouhan and group won the third prize in poster model competition.**





**Shivani Rathour of B.Sc. third year computer science students won the first prize in Mehandi Competition.**



**Self-introduction program.**





## **Power of women inspiration program.**



**The department went to “Gullu Hydroelectric Project, Jashpur, Chhattisgarh, India” as educational tour.**



