



Loyola College, Kunkuri
Kunkuri-496225, Jashpur, Chhattisgarh

Annual Report of Physics Department 2017-2018

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.

The department has qualified, experienced, energetic faculty members who are passionate about teaching

5.	January	Model exam	Department organized model exam for all year students for their <i>good performance in main annual exam.</i>
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2. Workshop/conference Attended:

1. Miss Asha Chauhan attended two days Faculty development program organized by *Xidas, Jabalpur Madhya Pradesh*, for Loyola college, Kunkuri from 18/06/2018 to 19/06/2018.

4. Students Achievement:

1. Priyanka Gupta student of B. Sc. Third year C. S. got the chance to become a one-day collector of Jashpur district.

5. Any other Innovative practices:

1. **Orientation lecture for women students:** Miss Asha Chauhan, Miss Swati Bareth, Miss Sonam Kispotta, and Miss Sangeeta Yadav, conducted orientation for B. Sc. computer science all years girl's student on 27/07/2017.

2. **Guinness lecture for mini projects:** Miss Asha Chauhan conducted a lecture to guide the mini projects on 02/12/17.

3. **Orientation on Internal Quality Assurance Cell (IQAC):** Miss Asha Chauhan attended the orientation program on IQAC by Fr. Satya Prakash.

4. **Parent's meeting:** Miss Asha Chauhan and department conducted parent's meeting on the 03/12/2017.

6. Faculty Profile:

S.No.	Name of Faculty	Academic Qualification	Teaching Experiences	Teaching Classes
1.	Asha Chauhan	M.Sc., SET	2	B.Sc.-I, II,III
2.	Nitesh Kumar Gupta	B.E.	2	B.Sc.-I, II,III
3.	Naveen Toppo	Diploma in electronics	4	Practicals

7. Degree College Course:

S. No.	Year	Course Code/Paper	Title
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.

- The syllabus is design by the university according to competitive exam like NET, SET, GATE, JAM, JEST, JEE etc.
- Each paper contains five units with numericals and practicals related to the subject so the students get deep knowledge about the theory.

8. Department Highlights:

- Total no. of Faculty member: 04
- Total no. of Students in B.Sc. First C.S.: 68
- Total no. of Students in B.Sc. Second C.S.: 26
- Total no. of Students in B.Sc. Third C.S.: 50
- 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.
- The department has well equipped separate dark room for students so they can enjoy the experiments related with light.

Orientation lecture by Principal Dr. Fr. Telesphor Lakra and Fr. Satya Prakash.



Miss Asha Chauhan got the certificate for Faculty development program organized by Xidas, Jabalpur, Madhya Pradesh.



Parent's meeting



Model exam of B. Sc. computer science students.



IQAC training program by Fr. Satya Prakash.



Seminar by Niketa Ekka on Postulates of quantum mechanics.



Orientation lecture for women students

