



Loyola College, Kunkuri
Kunkuri-496225, Jashpur, Chhattisgarh

Annual Report of Physics Department 2015-2016

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 profession. In order to develop interest about physics in students mind and to motivate them to gain the knowledge, we conducted various activities in every academic year.

NAME OF DEPARTMENT:	PHYSICS
NAME OF INCHARGE:	Dr. Fr. Oscar S. Tirkey (Principal)
NAME OF OTHER MEMBERS:	Miss Asha Chauhan
NON-TEACHING STAFF:	Mr. Jayson Toppo (Lab-assistant)

1. Activities conducted:

S. No.	Date	Activity	Details
1.	7 th July 2015	Welcome of first year Students.	Orientation lecture by Principal Dr. Fr. Oscar S. Turkey.
2.	Progressive from July to February (each Saturday)	Mentoring class	The department organized mentoring class, each Saturday for all three-year students.
3.	Progressive form September to January	Unit wise test and CET.	The department conducted <i>unit wise test</i> for all year students.
4.	Progressive from September to December	Seminar	The department conducted <i>topic wise seminar</i> for all students in presence of teaching staff and guest.
5.	3 rd December 2015	Poster model	The department organized poster model competition

			for all departmental students.
6.	January	Model exam	Department organized model exam for all year students for their <i>good performance in main annual exam.</i>
7.	28 th February 2016	Science exhibition	The department organized science exhibition on science day.

2. Innovative practices:

1. Miss Asha Chauhan participated in *faculty development program* organized by Loyola college Kunkuri, from 01/07/2015 to 03/07/2015.

3. Faculty Profile:

S.No.	Name of Faculty	Academic Qualification	Teaching Experiences	Teaching Classes
1.	Dr. Fr. Oscar S. Tirkey	M.Sc., PhD, MPhil	18	B.Sc.-I, II,III
2.	Asha Chauhan	M.Sc.	-	B.Sc.-I, II,III
3.	Jayson Toppo	M.Sc.	-	Practicals

4. 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.

5. Department Highlights:

- Total no. of Faculty member: 03
- Total no. of Students in B.Sc. First C.S.: 92
- Total no. of Students in B.Sc. Second C.S.: 33
- Total no. of Students in B.Sc. Third C.S.: 40
- 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.

Orientation lecture by Principal Dr. Fr. Oscar S. Tirkey and Fr. Praful Bara.



Faculty development program



Science exhibition



Poster Model competition



Seminar by student



Mentoring Class



