

**LOYOLA COLLEGE, KUNKURI**  
**Dist. – Jashpur ( C.G. )**  
**Department of Mathematics**  
**Session- 2015 - 16**

**Annual Report: Department of Mathematics**

**Mission:**

- Upholding the subject of mathematics strives for all human beings.
- The global center of learning, academic excellence, and innovative research work.

**Vision:**

- To provide quality mathematics education and the inculcating the spirit of research through innovative teaching and research methodologies.
- To achieve high standards of excellence in generating and propagating knowledge in Mathematics. Department is committed to providing an education that combines rigorous academics with joy of discovery.
- To provide an environment where students can learn, become competent users of mathematics, and understand the use of mathematics in the disciplines.
- To generate any other formulae and thesis to research.

**A Brief Note on Department of Mathematics:** It was established in the year 2005 with an ambition to pursue high level of teaching theory and current research papers. Presently the Department of Mathematics supports undergraduate program with qualified, experienced, energetic faculty members who are passionate about teaching profession. This department is well equipped with extra-infrastructure. The department is receiving the Mathematics Journals which are kept in the Library for student's reference.

**a. Strength:**

- We strive for excellence in all our academic pursuits.
- We are committed to innovation in our teaching research and outreach to our communities.
- We commit to continuous self-improvement to achieve excellence in all our endeavors.
- We conduct various activities in every academic year to excel our students.

**b. Student Forces:** We are committed to fostering the professional and personal growth of all students and our fellow colleagues by promoting lifelong learning with development in the future

**c. Public Engagement:** Department commits to working for public problem with collaboration and our colleagues in education, University and public communities. We strive to improve education and the quality of life for all to ensure a better future for all.

**1. Name of Department : Mathematics**

2. Number of Staff : 02

3. Faculty members (1) Fr. Sushil Tigga  
(2) Dr. D.D. Prasad (In-Charge)

#### 4. Faculty Profile:

| S.No. | Name of Faculty        | Qualification  | Teaching Experience | Allotted Classes                              |
|-------|------------------------|----------------|---------------------|---|
| 1     | Fr. Sushil Tigga       | M.Sc., M.phil. | 03                  | B.Sc.I/II/III                                 |
| 2     | Dr. D. D .Prasad (HOD) | M.Sc., Ph.D.   | 14                  | B.Sc. I/II/III<br>B.C.A. I/II/III<br>B.Com. I |

#### 5. Degree Course

| Course     | Course Code/Paper | Subject                                |
|------------|-------------------|--|
| B.Sc. I    | 22M/First Paper   | Algebra & Trigonometry                 |
|            | 22M/Second Paper  | Calculus                               |
|            | 22M/Third Paper   | Vector Geometry                        |
| B.Sc. II   | 22M/First Paper   | Advance Calculus                       |
|            | 22M/Second Paper  | Differential Equation                  |
|            | 22M/Third Paper   | Mechanics                              |
| B.Sc. III  | 22M/First Paper   | Real Analysis                          |
|            | 22M/Second Paper  | Abstract Algebra                       |
|            | 22M/Third Paper   | Numerical Analysis                     |
| B.C.A I    | Paper I           | Discreat mathematics                   |
|            | Paper II          | Calculus                               |
|            | Paper III         | Introductory Electronics               |
| B.C.A. II  | Paper I           | Numerical Analysis                     |
|            | Paper II          | Differential and integration           |
|            | Paper III         | Data Structure                         |
| B.C.A. III | Paper I           | Calculus and geometry                  |
|            | Paper II          | Differential Equation & Fourier series |
|            | Paper III         | Complementary Architecture             |
| B.com I    | Paper II          | Business Mathematics                   |

- **Total number of students in this session**
- - **No. of students in B.Sc. I = 56**
  - **No. of students in B.Sc. II = 61**
  - **No. of students in B.Sc. III = 32**
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  - **No. of Books for Mathematics = 562**
- **Each paper contains Five Units with numerical 50/5 to the subject. Syllabus is approved by the Sarguja University, Ambikapur, C.G. The annual examination is conducted by the University once a year.**

## **6. Time-Table**

| TIME/DAY  | 9:30 -10:10                         | 10:15 -10:55                        | 11:05 -11:45                     | 11:50 -12:30      | 12: 30 - 1:10 | 1:15 -1:55                           | 2:00 -2:40                         |
|-----------|-------------------------------------|-------------------------------------|----------------------------------|-------------------|---------------|--------------------------------------|------------------------------------|
| MONDAY    | B.Sc.- I (DD)<br>BCA - I (N.S.)     | B.Sc.- II (TL)                      | BCA - II (D.D.)                  | B.Sc.- III (N.S.) | LUNCH         | B.Sc.- II (DD)<br>B.Com. I(N.S.)     | B.Sc.- II (DD)                     |
| TUESDAY   | B.Sc.- I (TL)                       | B.Sc.- III(DD)<br>B.Com.I (N.S.)    | BCA - III (N.S.)                 | B.Sc.- II (DD)    | LUNCH         | B.Sc.- I (NK)                        | B.Sc.- I (NK)                      |
| WEDNESDAY | B.Sc.- I (TL)<br>BCA - II (N.S.)    | B.Sc.- III (DD)<br>BCA - I (N.S.)   | BCA - II(N.S.)                   | B.Sc.- I (N.K.)   | LUNCH         | B.Sc.- III (TL)<br>B.Com.<br>I(N.S.) | B.Sc.- III(TL)                     |
| THURSDAY  | B.Sc.- I (N.S.)<br>BCA - III (N.S.) | B.Sc.- III (DD)                     | B.Sc.- II (DD)                   | BCA - III (N.S.)  | LUNCH         | B.Sc.- I (DD)<br>BCA - II (N.S.)     | B.Sc.- I (DD)<br>B.Com.<br>I(N.S.) |
| FRIDAY    | B.Sc.- II (DD)<br>BCA - I (N.S.)    | B.Sc.- I (TL)<br>BCA - III (DD)     | B.Sc.- III(DD)<br>B.Com. I(N.S.) |                   | LUNCH         | B.Sc.- II (N.S.)                     | B.Sc.- II<br>(N.S.)                |
| SATURDAY  | B.Sc.- III (DD)<br>BCA - I (N.S.)   | B.Sc.- III (DD)<br>B.Sc.- II (N.S.) |                                  | BCA - III (N.S.)  | LUNCH         | B.Com.<br>I(N.S.)                    | B.Sc.- I (DD)                      |

## **7. Activities/Workshop/Seminar:**

|                                | Date  | Activity   | Details   |
|--------------------------------|---|--|---|
| <b>1. Activities conducted</b> | 02-07-2015  | Staff meeting  | Teacher Orientation program by Fr. Oscar s. Tirkey  |
|                                | 06-07-2015  | Orientation Program for the student                                | Orientation Program taken by D.D. Prasad .  |
|                                | 25 <sup>st</sup> July 2015 to 16 Jan 2016               | Teaching and Unit-wise Test and CET                                | The Dept. conducted Unit-test for all students(1 <sup>st</sup> , 2 <sup>nd</sup> & 3 <sup>rd</sup> year students) |
|                                | 5 September 2016  | Teacher's Day  | Students organized a program for teacher's day  |
| <b>2. Workshop/ conference</b> | 5 December 2015   | Mini-project and poster presentation                               | For all students of B.Sc. CS/Maths Prepared their project like Heera kunda Dam Delhi.                             |
|                                | December  | Educational tour   | Department visited the "Kolkaata " as education tour  |
|                                | Dec. 2015   | Preparing project  | Collaboration with Computer / Mathematics.  |
|                                | January-2016  | Model examination  | Department organized model examination for all CS just before the University Exams.                               |
|                                | February 2016   | Remedial classes   | Department organized remedial classes for all students of B.Sc.   |
|                                | 18 <sup>th</sup> Jan 2016 to 02 <sup>st</sup> Feb. 2016 | Model Exam conducted by exam committee of Loyola college, kunkuri. | The result of Model exam had been declared by Department of Mathematics.  |

8. One day seminar conducted by department on the topic "**Discrete mathematics**" Given by **Dr. P.K. Xess** from Magadh University.



## 9. Students Achievements:

- **Gaurav Chakress** has been awarded by department of mathematics for highest mark on Unit Test examination.
- Mathematics Department gave advice and suggestion to the student of B.Sc. for the upcoming University examination.



## 10. Monthly Unit Test Time-table:

| Unit test        | Class       | Date        |
|------------------|-------------|-------------|
| First Unit Test  | B.Sc. - I   | 08 Aug 2015 |
|                  | B. Sc.- II  | 09 Aug 2015 |
|                  | B.Sc. - III | 11 Aug 2015 |
| Second Unit Test | B.Sc. - I   | 19 Sep 2015 |
|                  | B. Sc.- II  | 20 Sep 2015 |
|                  | B.Sc. -III  | 21 Sep 2015 |
| Third Unit Test  | B.Sc. - I   | 18 Oct 2015 |
|                  | B. Sc.- II  | 19 Oct 2015 |
|                  | B.Sc. -III  | 20 Oct 2015 |
| Fourth Unit Test | B.Sc. - I   | 21 Nov 2015 |
|                  | B. Sc.- II  | 22 Nov 2015 |
|                  | B.Sc. -III  | 23 Nov 2015 |
| Fifth Unit Test  | B.Sc. - I   | 14 Dec 2015 |
|                  | B. Sc.- II  | 15 Dec 2015 |
|                  | B.Sc. -III  | 16 Dec 2015 |

