



# LOYOLA COLLEGE (AUTONOMOUS), CHENNAI-34

## DEPARTMENT OF MATHEMATICS (SHIFT II)

A REPORT ON

### STUDENT INDUCTION PROGRAMME (2023-2024)

(28 June 2023 – 11 July 2023)

#### Objective

To let the students know about the history of the college, vision and mission of the departments, various rules and regulations to be followed, opportunities available and etc., and to bridge their school and collegiate education.

#### Activities

The student induction programme (SIP) was organized for the first-year students for 10 working days from 28<sup>th</sup> June to 11<sup>th</sup> July 2023 in all the five hours, with the 'English orientation-EAZY (English Advancement for Z gen Youth)' for the first 3 hours and the 'Department orientation' for the next 2 hours. The following is the time table of the SIP for the freshers of the department of mathematics (Shift-II). Mr. R. Manoj, Assistant professor, Department of English (Shift-II) was the staff in-charge for the EAZY orientation programme, and the faculty members of the department of mathematics (Shift-II) took care of the department orientation as the following chart pictures.

Date	Day order	Hour	Staff in-charge	Topic
28.06.2023	VI	1, 2, 3	-	Prayer & General orientation
		4, 5	Mr. R. Manoj	EAZY
30.06.2023	II	1, 2, 3	Mr. R. Manoj	EAZY
		4	Dr. J. Janet Sheeba & Mr. F. R. Emmanuel	<ul style="list-style-type: none"><li>• Roles and Responsibilities of the Class Faculty</li><li>• College website</li></ul>
		5	Dr. J. Geno Kadwin	<ul style="list-style-type: none"><li>• History of the department</li></ul>
01.07.2023	III	1, 2, 3	Mr. R. Manoj	EAZY
		4	Dr. S. Iruthaya Raj	<ul style="list-style-type: none"><li>• The need of learning mathematics</li><li>• The history of mathematics and its applications</li></ul>
		5	Mr. D. Kumanan	<ul style="list-style-type: none"><li>• The story of numbers</li></ul>
03.07.2023	IV	1, 2, 3	Mr. R. Manoj	EAZY
		4	Mr. A. Christopher	<ul style="list-style-type: none"><li>• Introduction to soft skills</li></ul>
		5	Dr. S. Iruthaya Raj	<ul style="list-style-type: none"><li>• Calculus</li></ul>

Date	Day order	Hour	Staff in-charge	Topic
04.07.2023	V	1, 2, 3	Mr. R. Manoj	EAZY
		4	Dr. K. S. Antonysamy	<ul style="list-style-type: none"> <li>• Goal setting</li> </ul>
		5	Dr. S. Iruthaya Raj	<ul style="list-style-type: none"> <li>• A glance of ICT enabled tools for mathematics study</li> </ul>
05.07.2023	VI	1, 2, 3	Mr. R. Manoj	EAZY
		4	Mr. D. Kumanan	<ul style="list-style-type: none"> <li>• Freshers and alumni interaction-1</li> </ul>
		5	Dr. S. Iruthaya Raj	<ul style="list-style-type: none"> <li>• Freshers and alumni interaction-2</li> </ul>
06.07.2023	I	1, 2, 3	Mr. R. Manoj	EAZY
		4	Dr. J. Janet Sheeba	Campus tour
		5	Dr. J. Geno Kadwin	<ul style="list-style-type: none"> <li>• Exploring mathematics and technology</li> </ul>
07.07.2023	II	1, 2, 3	Mr. R. Manoj	EAZY
		4	Dr. J. Janet Sheeba	Ice breaker session
		5	Mr. F. R. Emmanuel	<ul style="list-style-type: none"> <li>• Loyola culture</li> </ul>
10.07.2023	III	1, 2, 3	Mr. R. Manoj	EAZY
		4	Mr. D. Kumanan	<ul style="list-style-type: none"> <li>• Loyola placement cell</li> </ul>
		5	Mr. D. Kumanan	Ice breaker session
11.07.2023	IV	1, 2, 3	Dr. S. Iruthaya Raj & Mr. D. Kumanan	Motivational session (1.30 pm -3.00 pm) Speaker: Mr. Surjeeth  Drug & Digital abuse (3.00 pm – 4.30 pm) Speaker: Prof. D. Anitha Yazhini
		4 & 5	Dr. S. Iruthaya Raj	<ul style="list-style-type: none"> <li>• LOCF based curriculum and assessment</li> <li>• Teaching methodology using LOCF</li> </ul>

When the students came to the department first time, the coordinator Dr. T. Bharathi and other faculty members welcomed them and the coordinator introduced all the faculty members to the students. A detailed report of the department orientation is summarized here hour-wise.

#### **30.06.2023 (Hour-4)**

The class faculty Dr. J. Janet Sheeba gave the information about the importance of attendance, wearing identity cards, hierarchy of the officials of the college, continuous internal assessment, semester examinations, procedures to avail leave, various schemes of LSSS and club activities.

Prof. F. R. Emmanuel explained about the college website, department webpage, syllabus, various categories of courses, pattern of the CIA question papers, internal and end semester evaluation, and etc. Students asked many questions and the faculty cleared all.

### **30.06.2023 (Hour-5)**

History of the department was let to the students know. Students were encouraged to be a part of the centenary year celebration of the department in the year 2025. The journey of department, the beginning of Shift II department, year of starting Shift II association were informed to the students. Students were displayed with courses to be studied during the period. UG Internship details were also given to them.

### **01.07.2023 (Hour-4)**

The students were motivated to learn mathematics. Since mathematics is needed not only in every field of science and technology but also in our day-to-day life, they were encouraged to learn the subject well with proper understanding. It was also insisted that learning mathematics is not just memorizing formulas and theorems but understanding them completely and thoroughly and keeping them in mind and applying them whenever and wherever needed.

### **01.07.2023 (Hour-5)**

Two videos were shown to the students. The first one talked about the history of mathematics and its applications and the second video about the story of numbers. Students were also informed about various YouTube links available in the internet to know about the history and development of various topics in mathematics such as calculus, algebra etc. and other resources available in the internet.

### **03.07.2023 (Hour-4)**

The orientation covered a range of topics related to the development of soft skills. Some of the key topics included:

- a) Effective Communication: The importance of verbal and non-verbal communication skills, active listening, and clarity in expressing thoughts and ideas.
- b) Leadership and Teamwork: Understanding leadership qualities, building effective teams, managing conflicts, and fostering collaboration.
- c) Emotional Intelligence: Developing self-awareness, empathy, and emotional management skills to build positive relationships.
- d) Time Management: Techniques to prioritize tasks, set goals, manage deadlines, and maintain a healthy work-life balance.
- e) Problem Solving and Decision Making: Critical thinking skills, problem-solving techniques, and strategies for making sound judgments.

### **03.07.2023 (Hour-5)**

Students were asked to recollect the concepts of one of the important subjects in mathematics called 'Calculus' with some practical examples. Since calculus is predominantly used in science and technology, students were motivated to study it well with a proper understanding. The branches of calculus namely differential calculus and integral calculus were explained to them briefly.

### **04.07.2023 (Hour-4)**

Dr. K.S. Antonyamy, Director, DDU Kaushal Kendra, Loyola College, Chennai gave a talk on 'Goal setting'. He talked about various structures and norms of Loyola college like what to do and what not

to do and others. He motivated the students a lot through his nostalgic moments in the college as a student as well as a teacher, and motivated the students to set a goal and work for it with passion and hard work. He also said about a lot of things that students can benefit from the college.

#### **04.07.2023 (Hour-5)**

The usage of ICT (Information and Communication Technology) enabled tools for studying mathematics has been increased after the pandemic due to COVID-19. Since these tools are user friendly and helpful for better learning, students were encouraged to make use of them. Various tools such as Google classroom, GeoGebra, Mentimeter, Kahoot and like tools were introduced to the students.

#### **05.07.2023 (Hour-4)**

An alumnus of 2018-2021 batch Mr. Syed Askar Methappa was invited for the Freshers & Alumni interaction session. He motivated the freshers by his own experience in Loyola. He suggested some courses which would be helpful to students. He suggested a few online platforms for part time jobs in order to search for suitable jobs which could fulfill their needs. Questions raised by the students were cleared by the alumnus.

#### **05.07.2023 (Hour-5)**

Another alumnus of 2018-2021 batch Mr. Neeraj was also invited for the interaction and he was a perfect example of how to be and behave and all, because he received "The best Loyolite award" when he was studying here. He also inspired students through his speech and communication skills. He suggested students some online platform for part time jobs. He also shared his personal life experiences inside and outside Loyola. Students were motivated from him.

#### **06.07.2023 (Hour-4)**

Some senior students guided the freshers in the campus tour during which they came to know about the architecture of the college buildings, atmosphere, history of the college, infrastructures and etc. It is hoped that the students can know the pride of Loyola and its progression for the past years. The seniors who took freshers to the campus tour were friendly to them, and clarifications were given by the seniors to the juniors.

#### **06.07.2023 (Hour-5)**

Students were introduced with mathematical graphing tools like GeoGebra, Desmos etc. Information about MOOCs and other platforms available were provided. Procedures of learning 'self-study courses' and other details were given to the students. Various learning programs like MTS, NURTURE etc. offered by the Government institutions were let the students know in detail. It was also guided to apply for government and NGO scholarships.

#### **07.07.2023 (Hour-4)**

Since ice breaker session is an interesting method to know each one, the department arranged this session for the freshers. Each one shared his ambitions, hobbies, their interests, and etc. with others in public. This session helped the students to interact with every fellow mates.

#### **07.07.2023 (Hour-5)**

Students were motivated to follow 'Loyola Culture' such as wearing ID cards inside the campus; not whistling in the campus premises on any occasions; keeping standing during the prayer time; following dress code and etc.

#### **10.07.2023 (Hour-4)**

The activities of the placement and training cell of Loyola college were explained. The objectives of the placement cell and its activities such as training and preparing students for placements and other jobs were clearly explained to the freshers. The entire process of the campus recruitment process was also explained and all their queries were attended.

#### **10.07.2023 (Hour-5)**

A quiz like program was conducted. Students were asked to solve some simple arithmetic and logical problems usually asked in most of the competitive exams. All the students effectively participated in it and some of them came to solve the problems in the black board and others asked some questions and had an interaction.

#### **11.07.2023 (Hour-4)**

The LOCF (Learning Outcome based Curriculum Framework) was explained to the freshers, and all relevant information and guidance were given to them. They were also asked to study well in order to excel in the field by following the framework.

#### **11.07.2023 (Hour-5)**

Methodologies for teaching and learning for the LOCF were explained to the students. The freshers were informed about the internal and external exam patterns following the LOC framework.

### **Photo Gallery**



Coordinator Dr. T. Bharathi addressing the students



Dr. J. Janet Sheeba during the Ice breaker session



Orientation by Mr. F. R. Emmanuel



Orientation by Mr. A. Christopher



Orientation by Dr. J. Geno Kadwin



Orientation by Dr. S. Iruthaya Raj



Orientation by Mr. D. Kumanan



Alumni & Freshers interaction



English orientation EAZY by Mr. R. Manoj



Dr. K. S. Antonyamy during Goal setting session



Motivational talk by Mr. Surjeeth



Talk on Drug & digital abuse by Prof. Anitha Yazhini

## Faculty members

Dr. T. Bharathi

Dr. J. Janet Sheeba

Dr. S. Iruthaya Raj

Mr. F. R. Emmanuel

Mr. A. Christopher

Mr. D. Kumanan

Dr. J. Geno Kadwin

Coordinator of the Department

Class faculty & Staff-in-charge of SIP

Anchoring staff, SIP

Assistant Professor

Assistant Professor

Anchoring staff, SIP

Assistant Professor

## Participants

Sl. No.	Dept. Number	Name of the student
1	23-UMT-201	NITHIYARAJ N
2	23-UMT-202	HARSHAVATH D
3	23-UMT-203	PRASANNA K
4	23-UMT-204	MOHAN BALAJI VENKATESH
5	23-UMT-205	BHAVANSANKARRAJ K
6	23-UMT-206	ANBU SELVAN A M
7	23-UMT-207	ANBILDURAI R
8	23-UMT-208	HEMA GURU M
9	23-UMT-209	EZEKIEL JUDE J
10	23-UMT-210	JEEVANANDAM
11	23-UMT-211	KADHIR D M
12	23-UMT-212	LOKESH R
13	23-UMT-213	THANGATHIRUMALAI T
14	23-UMT-214	THAMIZHVANAN R
15	23-UMT-215	THIRUMURUGASELVAM O S
16	23-UMT-216	CHARUKESH
17	23-UMT-217	PERARASU B
18	23-UMT-218	PAUL EBENEZER G
19	23-UMT-219	SHANLY HILVAS M
20	23-UMT-220	ARHAN KHAN
21	23-UMT-221	PRAKASH S
22	23-UMT-222	THEAJEESHWARAN M
23	23-UMT-223	SANJAY G
24	23-UMT-224	DHIVIYESH R
25	23-UMT-225	KOUSHIK R
26	23-UMT-226	RAJESH R
27	23-UMT-227	KANISH PRASAAD R K
28	23-UMT-228	P S PRADEEP KUMAR
29	23-UMT-229	RANJITH KUMAR R
30	23-UMT-230	JAYAJEET MANOJ MA
31	23-UMT-231	SURYANARAYANARAO A J
32	23-UMT-232	JUDE DAVID S

## Programme outcome

The freshers will know the history, rules, regulations and activities of the college as well as the department, and they will be familiar with the fellow classmates and faculty members before the beginning of the regular classes.