



Dempo Charities Trust's
DHEMPE COLLEGE OF ARTS & SCIENCE
Miramar, Panaji-Goa

Duration: Three to six months

Course Objectives:

- a) To enable the students acquire knowledge of basics in Immunology.
- b) To enable the students acquire knowledge of advances in Immunology.

Course Contents:

Lectures by the internal faculty on following topics:

1. Introduction
2. Organs
3. Antigens
4. B-cells
5. Immunoglobulins/Antibodies
6. T-cells
7. Macrophages
8. Complement
9. Immunodeficiency

Online lectures by Dr. ShrinivasKaverion the following topics:

10. HLA
11. Cytokines
12. Hypersensitivity
13. Autoimmunity
14. Transplantation
15. Immunosuppressors
16. Vaccination
17. Immunotherapy

Learning outcomes:

- a) On the successful completion of the course the students will be able to explain types of immune system, organs of the immune system and maturation and activation of various cells of the immune system.

b) They will be able to describe the types of antigens and antibodies as well as the functions of antibodies.

c) They will be able to describe the role of types and roles of cytokines in immune system.

c) They will be able to explain the concepts of hypersensitivity and autoimmunity transplantation, immunosuppressors, vaccination and immunotherapy

Attendance:

F.Y.B.Sc.

Course on Immunology

Sr. No.	Name of the student	15/7/15	22/7/15	12/8/15
1	Pooja Khatwani	Present	Present	
2	Mahak Karapurkar	Present	Present	
3	Radhika Naik	Present	Present	
4	Vaishnavi S. Chavan	Present	Present	
5	Saurabh Singh	Present	Present	
6	Utkarsh Gokulka	Present	Present	
7	Shagufa Behim	Present	Present	
8	Mohana Borkar	Present	Present	
9	Manksha Shetty	Present	Present	
10	Anshu Patil	Present	Present	
11	Shamara Faria	Present	Present	
12	Geetika Khandekar	Present	Present	
13	Blasani Fandave	Present	Present	
14	Saakshi Vayalaki	Present	Present	
15	Pooja Singh	Present	Present	
16	G. Vaashta	Present	Present	
17	Harshita Chopra	Present	Present	
18	Krishika Khajuria	Present	Present	
19	Mahak Karapurkar	Present	Present	
20	Radhika Naik	Present	Present	
21	Rashmi Pednekar	Present	Present	
22	Shagufa Behim	Present	Present	
23	Saloni Lotekar	Present	Present	
24	Shamara Faria	Present	Present	
25	Sueta Chavhan	Present	Present	

S.Y.B.Sc.

Course on Immunology

Sr. No.	Name of the student	15/7/15	22/7/15	12/8/15
1	Aditi J. Laxkar	Present	Present	
2	Pooja Khatwani	Present	Present	
3	Wagner Dias	Present	Present	
4	Rohini Bhargava	Present	Present	
5	Cindy De Souza	Present	Present	
6	Nirrita Fernandes	Present	Present	
7	Suvarna Gauran	Present	Present	
8	Shradha Shetty	Present	Present	
9	Rica Coura	Present	Present	
10	Hanika Shetke	Present	Present	
11	Heetika Kothekar	Present	Present	
12	Malika Aadi	Present	Present	
13	Arna Manjira D.	Present	Present	
14	Rachni Sudekar	Present	Present	
15	Ashika Fernandes	Present	Present	
16	Shweta Hanant	Present	Present	
17	Lalanne Louie	Present	Present	
18	Blasani Fandave	Present	Present	
19	Saloni Lotekar	Present	Present	
20	Nandini Holambur	Present	Present	
21	Krishika Khajuria	Present	Present	

Department of Biotechnology

T.Y.B.Sc.

Course on Immunology

Sr. No.	Name of the student	15/7/15	22/7/15	12/8/15
1	Aditi J. Laxkar	Present	Present	
2	Suprieta	Present	Present	
3	Utkarsh Gokulka	Present	Present	
4	Pooja Singh	Present	Present	
5	Rishi	Present	Present	
6	Blessy	Present	Present	
7	Wagner Dias	Present	Present	
8	Arna Manjira D.	Present	Present	
9	Manita	Present	Present	
10	Cyria	Present	Present	
11	Juvelina	Present	Present	
12	Naomi	Present	Present	
13	Santosh	Present	Present	
14	Shweta Hanant	Present	Present	
15	Nishal	Present	Present	
16	Nishal	Present	Present	
17	Reuben	Present	Present	
18	Kritika	Present	Present	
19	Neha K	Present	Present	
20	Vaibhavi	Present	Present	

Report

Advanced Immunology –International certificate course with INSERM, France. Enrichment programme

Department of Biotechnology is conducting an enrichment programme for the undergraduate students of Biotechnology. This is an online Advanced Immunology –International certificate course with INSERM, France as. The training programme aims at inculcating interest about Immunology and guidance from an eminent personality in the field of Immunology Dr. ShrinivasKaveri. The course began at the start of the academic year 2015-16 and will run throughout the year as per the availability of Dr. ShrinivasKaveri.

The entire course is divided into two sections. The resource person of one section of the course is Mrs. MurnalPhadke, faculty member; Department of Biotechnology to bring the students to the desired level of knowledge. This section includes the basic concepts in Immunology as follows.

1. Introduction
2. Organs
3. Antigens
4. B-cell
5. B-Ig
6. T-cell
7. Macrophages
8. Complement
9. Immunodeficiency

Second section includes online interactive lectures by Dr. ShrinivasKaveri, where students will receive expert guidance on the following topics:

10. HLA
11. Cytokines
12. Hypersensitivity
13. Autoimmunity
14. Transplantation
15. Immunosuppressors
16. Vaccination
17. Immunotherapy



Undergraduate students of Biotechnology (F.Y., S.Y.& T.Y.) were initially trained by Mrs. MurnalPhadke, faculty member, Department of Biotechnology in a series of lectures

conducted every Wednesday in order to bring the students to equal and desired levels for understanding the basics of Immunology.

Dr. ShrinivasKaveri conducted his first online session on HLA - *Human Leukocyte Antigen* on 12th August 2015 where students learnt about the significance of HLA in tissue typing and organ donation.

