

**Dempo Charities Trust's** 

## **DHEMPE COLLEGE**OF ARTS & SCIENCE

Re-accredited by NAAC with Grade 'A'
College with Potential for Excellence







PROSPECTUS 2023 - 2024

### **DHEMPE COLLEGE OF ARTS & SCIENCE**



International Webinar on Innovations and Applications in Materials Chemistry



National Webinar on Physics of Movement by Department of Physics



Our College Staff



Students Webinar Series 'Conclave'



Lecture by Prof. Dhruv Raina on Metaphar & Theory



NSS



NCC Army and Naval Wing

## **CONTENTS**

Sr. I	VO		Pages
1.		Dempo Charities Trust	1-2
2.		College Profile	3-9
3.		List of Teaching Staff	10-12
4.		List of Administrative Staff	13-14
5.		Eligibility and Documents Required for Admission	15-18
	A.	F.Y.B.A./B.Sc.	
	B.	Documents Required for Admission for Foreign Students	3
	C.	S.Y.B.A./B.Sc.	
	D.	T.Y.B.A./B.Sc.	
6.		Reservation Quota 2023-2024 F.Y.B.A.	19
7.		Reservation Quota 2023-2024 F.Y.B.Sc.	20
8.		Reservation Under Various Categories	21-22
9.		F.Y.B.A. Scheme of Papers (Under N.E.P.)	23-26
10.		F.Y.B.A. Credit Structure (Under N.E.P.)	27
11.		S.Y.B.A. Scheme of Papers (Under CBCS)	28
12.		S.Y.B.A. Marks Structure (Under CBCS)	29
13.		T.Y.B.A. Scheme of Papers (Under CBCS)	30
14.		T.Y.B.A. (Honours) Marks Structure (Under CBCS)	31
15.		T.Y.B.A. (General) Marks Structure (Under CBCS)	32
16.		T.Y.B.A. (Psychology) Marks Structure (Under CBCS)	33
17.		F.Y.B.Sc. Scheme of Papers (Under N.E.P.)	34-37
18.		F.Y.B.Sc. Credit Structure (Under N.E.P.)	38
19.		S.Y.B.Sc. Scheme of Papers (Under CBCS)	39
20.		S.Y.B.Sc. Marks Structure (Under CBCS)	40
21.		T.Y.B.Sc. Scheme of Papers (Under CBCS)	41
22.		T.Y.B.Sc. Marks Structure (Under CBCS)	42

23.		Ordinances*	
	A.	Attendance Ordinances	43-47
	B.	Examination Ordinances	48-55
24.		Schedule of College Fees	56-57
25.		Schedule of Other Fees	58
26.		Refund of Fees	59-60
27.		List of Papers	61-76
28.		Profile & Scope : Arts Departments	77-88
29.		Profile & Scope : Science Departments	89-105
30.		Self Financing Courses	106-114
31.		Value Addition Courses	115-119
32.		General Information	120-121
33.		Committees, Cells and Associations	122-128
34.		Departmental Clubs	129-132
35.		IGNOU Study Centre	133-136
36.		Scholarships and Prizes	137-140
37.		Financial Aid and Other Facilities	141-143
38.		Parent Teachers Association	
39.		PTA Membership Form	
40.		Students Personal Data Form	
41.		Undertaking by Students and Parent/Guardian	
42.		Library Undertaking Form	

<sup>\*</sup> Pages 43-55 to be read in detail by parents & students.

## **DEMPO CHARITIES TRUST**

Since the Liberation of Goa in 1961, the policies of the State Government for advancement of education have always been in consonance with the objectives of the National Policy on Education. Philanthropic initiatives of several private industrial groups in the State has played a significant role in the expansion and upgradation of educational facilities in Goa, notably in higher education, and in supplementing the efforts and initiatives of the State Government in meeting the National policy objectives.

One of the major contributors to the education sector in Goa has been the Dempo Charities Trust. The fame of the Dempo family extends beyond the boundaries of Goa and its philanthropy has generously supported individuals and institutions associated with the art, culture, sports and education.

The Trust presently manages four educational institutions in the state-Dhempe College of Arts and Science (established in 1962), Srinivasa Sinai Dempo College of Commerce & Economics (established in 1966), both affiliated to Goa University, Vasantrao Dempo Higher Secondary School of Arts, Science and Commerce (established in 1975), and Dempo Higher Secondary School of Science, Panaji, (established in 2012) affiliated to Goa Board of Secondary and Higher Secondary Education.

Over the past several decades, the education sector in India has undergone a dramatic change. In realization of the critical role that education plays in the development of human resources for scientific, technological and economic advancement of the Nation, the focus has shifted from gross enrolment in various stages of education to the dimension of quality in education, which broadly encompass quality of infrastructure and learning resources, quality of teaching-learning processes, continuing teacher education and a sustained focus on learning outcomes, inculcating values and lifelong competencies among students.

In keeping with the national objectives, the Dempo Charities Trust has consciously nurtured an enabling and supportive academic culture that provides its educational institutions the scope to think critically, ideate strategies and implement their curricular, co-curricular and extracurricular programmes and policies in an effective manner. The fact that the two colleges of the Trust are awarded Grade A by the National Assessment and Accreditation Council (NAAC) is testimony to the unwavering emphasis of the Trust on the quality dimensions of the educational programmes offered, the learning experiences and overall life experiences of students at its institutions of higher education.

The other prominent contributions of the Trust include the award of scholarships and financial assistance to the needy and deserving students, special scholarships for students from St. Cruz village; financial assistance to various educational, socio-cultural and religious institutions in the state; and support to research. With a view to bridge the gaps in the field of research in subjects related to Goa's culture, arts, society, biodiversity, etc., and with a view to strengthen and consolidate the intellectual foundations of Goa, the Trust has established a fellowship for Goan scholars undertaking research in these areas. The Trust also actively supports and promotes cultural activities like music, theatre, and festivals promoting Goan traditions, as well as academic seminars, workshops and conferences organized by the University and other professional organizations.

The trust also facilitates faculty for research by giving scholarship if their research papers are published in Scopus Indexed Journals.

## **COLLEGE PROFILE**

DCT's Dhempe College of Arts and Science is the premier institution of higher learning in the state of Goa. Its establishment in 1962, in the newly liberated state of Goa, stands out as evidence to the Dempo family's vision of promoting freedom through education. Their efforts along with those of other like-minded philanthropists at the time have engendered a rich legacy; one that every 'Dhempeite' proudly upholds. Dhempe College has been the alma mater to pioneers in the fields of liberal arts, science and technology in Goa, India and overseas.

- (1) The College has been re-accredited by the National Accreditation and Assessment Council (NAAC) in the year 2022 with 'A' Grade
- (2) In 2016, the College was recognized as a "College with Potential for Excellence" under the XI Plan of University Grants Commission. The award came as recognition of the institution's constant efforts to develop and upgrade an academic system which aims at holistic development of students and all stakeholders.
- (3) The College is placed in 151-200 band at all India level by National Institutional Ranking Framework (NIRF) in the year 2022.
- (4) The College has also obtained 100th rank among the Arts Colleges and 103rd rank among the Science Colleges of India in India Today rankings, 2022.
- (5) The College has adopted Quality Management System (QMS) as per ISO 9001:2015 International Standards and has created a benchmark of being known as the first institute of higher education in the state of Goa to be granted ISO 9001:2015 by TUV NORD in the 1 st cycle of certification in 2010 and by URS in 2013 in the 2nd cycle of certification for its maintenance of quality standards.

(6) In 2015, Dhempe College achieved yet another landmark feat when it received Green certification, GSCP-01-2010 of Green Standard Certification Programme, for promoting and maintaining ecologically friendly practices. The College is Goa's first institute of higher learning to have received Green Certification.

The College also undertook carbon-footprint calculation and has received Level III Green Certification. Dhempe College began its illustrious journey with affiliation to the Bombay University till 1985. Thousands of students travelled to the College to have their share of higher education, grateful for a privilege denied to their forefathers. Dhempe College is thus alma mater to leaders across global spectrum of societal positions.

The founders, in the true spirit of philanthropy, established hostel facilities for outstation students and Night College for working aspirants where students of Dhempe College rose to the occasion and excelled under the Bombay University, procuring gold medals in academics and sports. The Dhempe spirit of learning and progress experienced a change in affiliation in 1985 with the inception of Goa University and our College once again proved its amenability to change and commitment to excellence.

Half a century down the line, Dhempe College has assimilated many new disciplines, and offers students myriad opportunities — all the time keeping abreast of the need of the hour and counteracting changes in the socio-economic milieu as well as the challenges posed to education. Apart from the well-established B.A. and B.Sc. Programmes, various new subjects have been added to the college curriculum. The College has started M.Sc. in Analytical Chemistry from the year 2018–19.

The Skill Development Courses Cell (Value-Addition Courses) has been conducting job-oriented, add-on programmes. Besides, there are various short-term courses which help in personality, skill and hobby development of the students. Apart from these courses, students are encouraged to take add-on courses in College, and summer courses in NIO. Another step in the direction to bring about an all-round development of the student is the Personality Enhancement Programme (PEP) conducted by all departments throughout the year. Various courses like spoken tutorials, have been introduced. English learning course for ICCR students is also conducted. The College also houses IGNOU (Indira Gandhi National Open University) Study Centre.

In 2019, the institution established the Digital Language Laboratory and Skill Development Centre (DLLSDC), a language learning and skill development facility for the students of the college and for professionals seeking advanced training in language skill development. The DLLSDC houses 30 computers powered with high end hardware and software.

The Institution has a central computer facility with high speed internet and LAN with over 100 computers. The students are encouraged to use computers and internet facilities to enhance their academic performance.

The College has carved a niche for itself as a centre of excellence in teaching. The highly qualified staff is the strength of this Institution. Majority of the faculty members have done research and are actively involved in exploration. A number of research projects are undertaken; papers have been published in peer–reviewed national and international journals and presentations have been made at national and international seminars webinars and conferences. The College also annually publishes a multidisciplinary, peer–reviewed journal titled, 'Vasantrao Dempo Education & Research Journal of Arts, Science & Humanities' (ISSN 2395 – 7557). The College annual magazine "Waves" serves a platform for the creative and literary expression of students. In its stride towards

developing a global interface of learning, the institution has been successful in initiating Sakura Science Plan, under which students from the College accompanied by one faculty member get the opportunity to visit prestigious universities and laboratories in Japan. Under this fully funded programme by the Government of Japan, a group of nine students and one faculty member of the College visited Toyo University (2017-18) and Meijo University (2018-19).

The College has signed MoUs with the following prominent institutes and bodies:

- 1) CSIR National Institute of Oceanography
- 2) ESSO National Centre For Polar And Ocean Research
- 3) Immunopathology And Therapeutic Immunointervention Inserm (Paris France)
- 4) Association of Friends of Astronomy
- 5) Cluster of Colleges for Research (under Directorate of Higher Education, Goa)
- 6) Vellalar College for Women, Erode Tamil Nadu
- 7) Faculty of Science & Technology, Meijo University, Japan
- 8) National Association for Blind Goa State Branch, Goa
- 9) Goa Pharmaceuticals Manufacturers Association, Goa (Collaboration)
- 10) St. Aloysius College
- 11) Goa Institute of Public Administration and Rural Development
- 12) Vanilla Cart
- 13) Cyber Wellness Centre
- 14) Birla Institute of Technology and Science
- 15) Vergo Pharma
- 16) Unichem Laboratories Ltd.
- 17) TechXcl India Private Ltd.

The College has collaboration and linkages with Goa Pharmaceutical Manufacturer's Association, Village Panchayat, Penha-de-Franca, IIT Mumbai and Goa Chamber of Commerce and Industries.

The College is located in close proximity to the picturesque Miramar beach in the capital city of Panaji, and has completed 60 years.

The Chairman of the Dempo Charities Trust, Shri Shrinivas V. Dempo, is committed in achieving educational excellence in the educational institutions managed by DCT including Dhempe College of Arts and Science.

On 20<sup>th</sup> June 2021, the institution entered its 60<sup>th</sup> year of establishment carrying the bequest of the founders' vision forward. While devoted to its pursuits in academics and research, the College laid special emphasis on its *daayitva*, social responsibility, during the pandemic crisis.

The College organises various international and national conferences, workshops, seminars and webinars.

The Department of Chemistry in association with Meijo University–Japan & BITS Pilani, KK Birla, Goa campus organized an International webinar on "Innovations and Applications in Materials Chemistry" on 21<sup>st</sup> of March 2023. Resource persons, Prof. Takahiro Maruyama, Meijo University–Japan, Prof K.S. Rane, Gogte Institute of Technology, Belgaum, Prof. Paul Millner, University of Leeds, UK, and Prof. Narendra Nath Ghosh, BITS Pilani, Goa presented lectures based on the research from the field of Materials Chemistry, property studies and applications.

A national level webinar titled "Physics of Movement: from quantum exciton transport in photosynthesis to random walks of mice in epidemics" was organized by the Department of Physics. The resource person was Prof. V.M. Nitant Kenkre, Director of the Consortium, Americas, Distinguished Professor of Physics and Astronomy in the University of New Mexico and an alumnus of the College.

A five day workshop to prepare glossary of Chemistry, Botany & Zoology in Konkani under Commission for Scientific & Technical Terminology, New Delhi was organised.

## Dempo Charities Trust's Dhempe College of Arts & Science GOVERNING BOARD As on 1.4.2023

1.	Shri. Shrinivas V. Dempo	Chairman
2.	Smt. Pallavi S. Dempo	Member
3.	Shri. G. Balasubramaniam	Member
4.	Shri. Pandurang R. Nadkarni	Member
5.	Dr. M. M. Modassir	Member
6.	Shri.Sanjay Priolkar	Member
7.	Shri. Sandeep Bhandare	Member
8.	Prof. Vrinda Borker	Member
9.	Prof. Manoj Kamat	Member
10.	Shri.Rajesh R.Bhatikar	Member- Secretary

### Dempo Charities Trust's

## **Dhempe College of Arts & Science**

Panaji, Goa - 403001 Re-accredited at 'A' Grade by NAAC College with Potential Excellence

ISO 9001:2015 certified

Green Certification: Level III GSCP-01-2010 Green Standard Certification

Phone No. (0832) 2462376 / 2461507. Email: principal@dhempecollege.edu.in

dhempe@rediffmail.com

Website: www.dhempecollege.edu.in

Principal : Prof. Vrinda Borker

Vice-Principal : Dr. Swati Pawar

Office Timings : Monday to Saturday 9.30 a.m. to 1.00 p.m.

2.00 p.m. to 5.00 p.m.

#### LIST OF TEACHING STAFF - 2022-23

PRINCIPAL : Prof. Vrinda Borker

VICE- PRINCIPAL: Dr. Swati Pawar

#### ARTS DEPARTMENTS

#### **ECONOMICS**

Dr. Shilpa Samant (HoD)

Mr. Edwin Cortez

Ms. Gail Zacharia - CB

Ms. Sonali Naik - LB

#### **ENGLISH**

Ms. Clarinda Dias - (Incharge)

Dr. Akshata Bhat

Dr. Palia Pandit

Dr. Svetlana Fernandes

Ms. Rochelle Fernandes - CB

Ms. Rachi Dessai - LB

#### **HISTORY**

Mr. Prajal Sakhardande (HoD)

Mr. Noel Goes - CB

Mr. Mayur Arolkar - CB

Mr. Jarvis Mascarenhas - LB

#### **INDIAN LANGUAGES**

#### HINDI

Dr. Vaishali Naik

Mr. Akbarali Sheikh - CB

Ms. Kshitija Pednekar - LB

#### **KONKANI**

Ms. Anju Sakhardande (HoD)

Ms. Vidita Shet - CB

Mr. Yeshwant Bhandari - CB

Mr. Anija A. Shirodkar - LB

#### **MARATHI**

Ms. Radhika Nagvenkar - CB

Ms. Sneha Morajkar - CB

Ms. Sneha Jambotkar - LB

#### **PHILOSOPHY**

Dr. Roshida Rodrigues (HoD)

Ms. Sendra Pereira

Mr. Sanket S. Revankar - CB

Mr. Akash S. Naik Salgaonkar - LB

#### POLITICAL SCIENCE

Dr. Karuna Singh-(Incharge)

Mr. Mohit Sukhtankar

Ms. Ballika Gaonkar - LB

Mr. Vijay Talwar - LB

#### **PSYCHOLOGY**

Dr. Mukta Karamadi (HoD)

Dr. Joslyn Henriques

Ms. Pratisha Harmalkar - CCL

Dr. Cindy D'Silva - CB

Ms. Sweta Matondkar - CB

Mr. Jolene Pereira - LB

#### SCIENCE DEPARTMENTS

**BOTANY** 

Ms. Manjiri Barve (HoD) (NEP Co-ordinator)

Dr. Purnima Ghadi

Dr. Shilpa Bhonsle

Dr. Pratibha Prabhugaonkar

Dr. Ashish Prabhugaonkar

Ms. Rashmita Mhaldar - LB

**CHEMISTRY** 

Prof. Vrinda P.S. Borker (Principal)

Ms. Varsha Virginkar (HoD)

Ms. Deepa Audi

Ms. Manisha Mhalsekar - FIP

Dr. Durga Kamat Timble - CCL

Dr. Sonia Parsekar - Msc. Co-ordinator

Dr. Bhanudas Naik - Msc. Co-ordinator

Dr. Chandan Naik

Dr. Shashank Mhaldar

Ms. Dipika Gosavi - CB

Ms. Monica Ghadi - LB

Ms. Sujata Kerkar - CB

(In place of Ms. Manisha Mhalsekar)

Mr. Nitesh Velji - LB

Mr. Kamlesh Borkar - LB

COMPUTER SCIENCE

Ms. Annie Rajan - (HoD)

Ms. Shilpa Naik

Mr. Snehal Harmalkar

Ms. Arati Kadam-CB

Mr. Senon D'Souza - LB

**GEOLOGY** 

Mr. D.S. Parab (HoD)

Dr. Manoj Ibrampurkar (on duty leave)

Dr. Raghav Gadgil (on duty leave)

Ms. Vinita Mayenkar (on duty leave)

Mr. Aliston D' Souza - LB

Ms. Manjusha Madkaikar - LB

Ms. Neeleema Das - LB

Ms. Nidhi Arolkar - LB

Mr. Anmol Naik - LB

**MATHEMATICS** 

Ms. Maria Suzana Miranda - HoD

Dr. Mamta Kumari

Ms. Rashmi Naik

Mr. Vitendra Mhatonkar - CB

Ms. Sujata Thanekar - LB

Ms. Raksha Sankatala - LB

**PHYSICS** 

Mr. S. S. Burye

Dr. Swati Pawar (HoD) (Vice Principal)

Dr. R. Murthy

Dr. Miskil Naik

Ms. Siddhi Parsekar

Dr. Kapil Yeshwant Salkar - CB

#### **DHEMPE COLLEGE OF ARTS & SCIENCE**

**ZOOLOGY** 

Ms. Suchana P. Amonkar (HoD)

Lt. (Dr.) K. K. Therisa

Dr. Trupti Jadhav

Ms. Swizel Quodros

**BIOTECHNOLOGY** (Self Financing)

Ms. Mrunal Phadke - CB

Dr. Amara Begum Mulla - CB

Dr. Preethi Pandit - CB

Mr. Kamlesh Korgaonkar - CB

Dr. Niyati Hede - LB

Ms. Sasha Viegas - LB

Ms. Noor Fatima Khan - LB

Ms. Gauri Avdhut Silimkhan - LB

Dr. Amarja P. Naik - LB

Ms. Sonali S. Naik - LB

Ms. Sharmishtha Sanyal - LB

M. Sc. (ANALYTICAL CHEMISTRY)

(Self Financing)

Dr. Sonia Parsekar (Co-ordinator)

Dr. Bhanudas Naik (Co-Cordinator)

Dr. Priyanka Bharat Kole - CB

Ms. Geeta Zalmi - CB

Ms. Shubhalaxmi Naik - CB

Ms. Shreya A. Silimkhan - LB

PHYSICAL EDUCATION DIRECTOR

Mr. Pandurang Naik

**LIBRARIAN** 

Ms. Surekha Katkar

**COUNSELLOR** 

Ms. Lourdes Twiny Botelho - CB

LB - Lecture Basis

#### **Dempo Charities Trust**

## **Dhempe College of Arts & Science**

## Panaji, Goa

#### LIST OF ADMINISTRATIVE STAFF - 2022-23

OFFICE	Mr. Pradosh Naik (м. т. s.)
--------	-----------------------------

Ms. Agnela Afonso (Head Clerk) Mr. Pramod Dhuri (M. T. S.)

Ms. Rachana Pai (Accountant) Mr. Kiran Pokhare (M. T. S.)

Mr. Gaurang V. Bane (System Administrator) Mr. Prakash Ghadi (M. T. S.)

Mr. Sunil Mochemadkar (U.D.C.)

Ms. Rajasi Gavas (u.D.C.) COMPUTER SCIENCE

Ms. Diksha D. Kalangutkar (Jr. Ms. Shalini Bhatt (Lab. Assistant)

Stenographer) Ms. Vidhisha Phadte (M. T. S.)

Ms. Gauri S. Manerkar (L.D.C.)

Mr. Ghanshyam Kankonkar (L.D.C.) GEOLOGY

Ms. Fauzia Shaikh (L.D.C.) Mr. Vijay Kurandwad (Lab. Assistant)

Ms. Shubhalaxmi L. S. Assoldekar (L.D.C.)

Mr. Yogesh Dhuri (M. T. S.)

Mr. Anil Divkar (M. T. S.)

Mr. Vasant Haldankar (M. T. S.) PHYSICS

Mr. Shekar Kauthankar (M. T. S.)

Ms. Nita Shetye (Lab. Technician)

Ms. Aruna Rosario (M.T.S.) Ms. Swarupa Parab (Lab. Assistant)

Mr. Pravin Shirodkar (m. T. S.)

BOTANY Mr. Dasu B. Gawas (M. T. S.)
Mr. Dharmendra Jaiswar (Lab. Assistant)

Ms. Priya Madkaikar (M. T. S.)

PSYCHOLOGY

Mr. Kali Datta Kerkar (M. T. S.)

Mr. Sarvesh Paidarkar (M. T. S.)

CHEMISTRY ZOOLOGY

Ms. Manisha R. Pai Kakode (Store Keeper) Mr. Akshay Phadte (Lab. Assistant)

Mr. Thanu Gaude (Lab. Assistant) Mr. Shivanand Ibrampurkar (Field

Ms. Shreya Vaingankar (Lab. Assistant) Collector)

#### **DHEMPE COLLEGE OF ARTS & SCIENCE**

Mr. Vasudev Naik - (M.T.S.)

Mrs. Prachi Banaulikar - (M.T.S.)

#### **BIOTECHNOLOGY**

Ms. Radha Kamat (Clerk Cum

Accountant)

Ms. Nurjaha Bagwan (Lab

Technician)

Ms. Neeraja Karshetty (Lab

Attendant)

Mr. Suraj Kuttikar (Lab Attendant)

#### M.Sc. ANALYTICAL CHEMISTRY

Ms. Sulena Gaonkar (Lab.

**Assistant** 

Mr. Krishna Harijan (Lab

Attendant)

#### **GYMKHANA**

Mr. Sachin Naik (Instructor in Physical

Education)

Mr. Surendra Mayenkar (M. T. S.)

#### LIBRARY

Ms. Akshata Naik (Librarian Gr I) (CCL)

Ms. Mahjabeen Xeque (M. T. S.)

Ms. Karishma Zalmi (M. T. S.)

Ms. Vidhya Shinde (Librarian Gr.I)

(CCL Substitute)

#### **EXAMINATION SECTION**

Mr. Alfred Roger Carvalho (L.D.C.)

Ms. Pradnya Naik (M.T.S.)

\*M.T.S. - Multi Tasking Staff.

## Eligibility & Documents Required for Admission

(As per OC-12 & OC-13 of Goa University)

A) F.Y.B.A./B.Sc.

### For students passing Examination of Goa Board

- Students passing HSSC examination of the Goa Board and intending to join F.Y.B.A. / B.Sc. classes will be required to submit application for Enrollment Certificate. The details of the same will be put on the College notice boards and website: www.dhempecollege.edu.in
- 2. Documents Required:
  - (a) Duly filled Online admission application form.
  - (b) Original School leaving certificate (XII<sup>th</sup> Std).
  - (c) Self-attested copy of XII<sup>th</sup> Std mark sheet.
  - (d) Self- attested copy of category (SC/ST/OBC) certificate (if applicable).
  - (e) 2 passport size photographs.
  - (f) Students personal data form.
  - (g) Parent-Teacher Association membership form of Dhempe College of Arts and Science.
  - (h) Undertaking by the students and parents/guardian towards prevention of ragging/sexual harassment/drugs/smoking.
  - (i) Self-attested copy of AADHAAR Card.
  - (j) Link for applying Provisional Eligibility Certificate from Goa university: https://gums.unigoa.ac.in/gums/#/eligibilityStudentReg

For Open School students and students from other than Goa Board, besides above requirements, the following documents are required;

- (i) Migration certificate (Original).
- (j) Provisional eligibility certificate from Goa University (Online copy ).
- (k) Transfer certificate (Original).
- 3. No admission shall be regarded as duly granted unless it is granted by the authority of the Principal, the necessary fees have been

- received by the College and the admission approved by the University.
- The last date of admission to various courses is one month from commencement of the first term or as per the notification received from Goa University.
- 5. Reservation of seats is as per State Government directives.
- B) DOCUMENTS REQUIRED FOR ADMISSION FOR FOREIGN STUDENTS
  Students of Non-Indian nationality should apply for admission through the Indian High Commissioner of their country and through the Goa University.
- All the ICCR / Private students are required to submit following documents for completion of admission formalities/process (F.Y. students)
  - (a) Duly filled Online application form from DHE Portal.
  - (b) Goa University Provisional Statement of Eligibility (Online to be submitted)
  - (c) Self-attested copy of valid passport and visa.
  - (d) Self-attested Copy of Letter from Consulate General of India/SS (Education)/ Director, ICC and also letter from Director, ICCR Goa Region (for ICCR Student).
  - (e) AIDS Test Report (Original from Goa Medical College, Bambolim, Goa).
  - (f) Self attested copy of Proficiency in English.
  - (g) Self attested copy of NOC from Embassy of Country. (For self financed students)
- 2) Joining Report of Afghan Scholars
  All the ICCR students are required to submit joining report form along with the following documents:-
  - (a) Duly filled joining report form (Two sets).

- (b) Self- attested copy of XII<sup>th</sup> std. Marks sheet (for First year students).
- (c) Self- attested copy of mark sheet of I & II Semester examination (for Second Year students).
- (d) Self- attested copy of mark sheet of I, II, III & IV Semester examination (for Third Year students).
- (e) Self-attested copy of valid passport and visa.
- (f) Self-attested copy of Goa University provisional Statement of Eligibility.
- (g) Self-attested copy of Residential permit.
- (h) Self-attested copy of letter from Consulate General of India / SS (Education) / Director, ICC and also from Director, ICCR Goa Region.
- (i) Self-attested copy of Bonafide certificate.
- (j) Self-attested copy of Agreement for Leave and Licence.
- (k) Undertaking by the students and parents/guardian towards prevention of ragging / sexual harassment / drugs / smoking.
- (I) Self-attested copy of Equivalence Certificate.

## C) S.Y.B.A./B.Sc.

- 1. Documents required:
  - (a) Online admission application form.
  - (b) Self-attested copy of admission fee receipt.
  - (c) Self attested copy of Mark Sheet (I and II Semester).
  - (d) Self-attested copy of category (SC/ST/OBC) certificate (if applicable).
  - (e) 2 passport size photographs.
  - (f) Student's personal data.
  - (e) Parent Teacher Association membership form of Dhempe College of Arts and Science.
  - (f) Undertaking by the students and parents towards prevention of ragging/sexual harassment/drugs/smoking.

- (g) Self-attested copy of AADHAAR Card.
- Students who have already been in the College must seek admission to the higher class within one week after the declaration of the results of the University /College examination. The Principal reserves the right to refuse admission to a student whose past academic record and conduct was considered unsatisfactory.
- 3. On completion of admission process in this college the student needs to submit Transference Certificate from the college they were studying last.
- D) T.Y.B.A. / B.Sc.
- 1. Documents required
  - (a) Online admission application form.
  - (b) Self attested copy of admission fee receipt.
  - (c) Self-attested copy of Marks sheet (I, II, III and IV Semester).
  - (d) Self-attested copy of category (SC/ST/OBC) certificate (if applicable).
  - (e) 2 passport size photographs.
  - (f) Student's personal data form.
  - (g) Parent-Teacher Association membership of Dhempe College of Arts and Science.
  - (h) Undertaking by the students and parents towards prevention of ragging / sexual harassment / drugs / smoking.
  - (i) Self-attested copy of AADHAAR Card.
  - (j) On completion of admission process in this college the student needs to submit Transference Certificate from the college attended earlier.
- 2. Students seeking admission from other college are required to submit following documents.
  - a) N.O.C. from the college where the student was studying previously.
  - b) Application from the student along with the N.O.C. and the marksheets of sem I & IV.
  - c) Approval from Goa University.
  - d) Transference Certificate on confirmation of admission in this college.

### Admission for Academic Year 2023-2024 Reservation Quota - F.Y.B.A.

(As per the Circular received from Directorate of Higher Education, Govt. of Goa, SCERT Building, Porvorim Goa, Ref. No. EST/Reservation Circular/180/2020/1990 dated 22.07.2020)

Sr.	Category	Reservation	Class streng	Total (120)			
No.		Quota (%)	Div-A (60)	Div-B (60)			
1	SC	2	1	1	2		
2	ST	12	7	7	14		
3	OBC	27	16	16	32		
4	Persons with Benchmark Disabilities	5	3	3	6		
а	Blindness and low	vision					
b	Deaf and hard of h	earing					
С	Locomotor disability including cerebral palsy, leprosy cured, dwarfism, acid attack victim and muscular dystrophy						
d	Autism, intellectual disability, specific learning disability and mental illness						
е	Multiple disabilities from amongst persons under clauses (a) to (c) including deaf - blindness						

One percent each shall be reserved for persons with benchmark disabilities under clauses (a), (b) and (c) and one percent under clauses (d) and (e)

In case any seat remains vacant due to non-availability of student in any above categories the same may be interchanged among the above mentioned categories.

5	Economically Weaker Section (EWS)	10	6	6	12
		Total	33	33	66
	Management Quota	10	6	6	12
	General Category		21	21	42
		Total	27	27	54
		Grand Total	60	60	120
6	Supernumerary Seat	15 (out of which 5% seats are earmarked for children of Indian Workers in Gulf & one seat in each program is reserved for Kashmiri Migrants)	9	9	18
		Grand Total	69	69	138

### Admission for Academic Year 2023-2024 Reservation Quota - F.Y.BSc

(As per the Circular received from Directorate of Higher Education, Govt. of Goa, SCERT Building, Porvorim Goa, Ref. No. EST/Reservation Circular/180/2020/1990 dated 22.07.2020)

Sr.	Category	Reservation	Class streng	Total (120)			
No.		Quota (%)	Div-A (80)	Div-B (80)			
1	SC	2	2	1	3		
2	ST	12	9	10	19		
3	OBC	27	22	21	43		
4	Persons with Benchmark Disabilities	5	4	4	8		
а	Blindness and low	vision					
b	Deaf and hard of h	earing					
С	Locomotor disability including cerebral palsy, leprosy cured, dwarfism, acid attack victim and muscular dystrophy						
d	Autism, intellectual disability, specific learning disability and mental illness						
е	Multiple disabilities from amongst persons under clauses (a) to (c) including deaf - blindness						

One percent each shall be reserved for persons with benchmark disabilities under clauses (a), (b) and (c) and one percent under clauses (d) and (e)

In case any seat remains vacant due to non-availability of student in any above categories the same may be interchanged among the above mentioned categories.

	· · · · · · · · · · · · · · · · · · ·				
5	Economically Weaker Section (EWS)	10	8	8	16
		Total	45	44	89
	Management Quota	10	8	8	16
	General Category		27	28	55
		Total	35	36	71
		Grand Total	80	80	160
6	Supernumerary Seat	15 (out of which 5% seats are earmarked for children of Indian Workers in Gulf & one seat in each program is reserved for Kashmiri Migrants)	12	12	24
		Grand Total	92	92	184

#### RESERVATION UNDER VARIOUS CATEGORIES

As per the revised guidelines of the UGC, reservation of seats in case of Scheduled Cast (SC) and Scheduled Tribe (ST) candidates for admission for various courses of study in the University is on the basis of the reservation policy of the State Government.

**2%** seats in each of the Under Graduate courses of study, subject to a **minimum of one seat**, shall be reserved for candidates belonging to SC category.

12% of seats in each of the Under Graduate courses of study, subject to a minimum of one seat, shall be reserved for candidates belonging to ST category. Candidates applying for admission under these categories shall be required to submit a certificate to that effect issued by the Officer of the rank of the Deputy Collector or above.

27% of total seats, subject to a minimum of two seats for admission to various courses of study, shall be reserved for candidates belonging to Other Backward Class (OBC) of the State of Goa as per the directives of the State Government. Candidates applying under this category shall be required to submit a certificate issued to that effect by the Officer of the rank of the Mamlatdar or above.

Seats falling vacant under any of the above reserved categories shall be filled from the general category candidates with the approval of the Vice Chancellor.

15% of seats, over and above the allotted number of seats, shall be reserved as supernumerary seats for the **overseas candidates**, who are eligible for admission and are recommended by Government of India under scholarship from Govt, of India or under exchange programme (ICCR Programme). These seats shall be filled in accordance with the UGC guidelines. Out of the 15% supernumerary seats, 5% seats are earmarked for children of Indian Workers in Gulf & one seat in each program is reserved for Kashmiri Migrants.

Reservation in admission to Differently abled students and children of defense personnel is available as per Government guidelines. Reservation Percentage of SC-2%, ST-12%, OBC-27%, Differently abled-5% (As per State Government directives).

Note: Percentage of seats mentioned above is subject to change depending upon State Govt. directives.

## BACHELOR OF ARTS (B.A.) UNDER N.E.P. First Year Bachelor of Arts (F.Y.B.A.) SEMESTER I and SEMESTER II SCHEME OF PAPERS

The duration of the UG Programme shall be of Four Years/Eight Semesters with multiple entry and exit options. Students shall be eligible to choose Courses from Broad Disciplines of Study for Major and Minor Courses which are as follows:

- (i)Natural and Physical Sciences: Microbiology, Botany, Zoology, Biotechnology, Biochemistry, Chemistry, Physics, Electronics, Biophysics, Astronomy, Astrophysics, Earth Sciences, Environmental Sciences, and such others.
- (ii) Mathematics, Statistics, and Computer Applications: Mathematics, Statistics, Computer Applications, Programming Software, Applications Software and such others.
- (iii)Library, Information, and Media Sciences: Library Science, Information Science, Media Science, Journalism, Mass Media, Communication and such others.
- **(iv)Commerce and Management:** Business Management, Financial Accounting, Cost Accounting, Finance, Banking, Fintech, and such others.
- (v) Humanities and Social Sciences: Anthropology, Economics, History, Linguistics, Political Science, Psychology, Social Work, Women's Studies, Sociology, Archaeology, History, Comparative Literature, Arts & Creative Expressions, Creative Writing and Literature, Language(s), Philosophy, Cognitive Science, Environmental Science, Gender Studies, Global Environment, Health, International Relations, Political Economy and Development, Sustainable Development, Public Administration and such others.

**Semesters I & II:** Students shall undergo one course each from four different subjects chosen from a broad discipline area as Major and Minor courses, and other two Multidisciplinary courses to have basic knowledge not only in Major areas but also in other disciplines. Additionally, students shall also take up courses of their interest from Ability Enhancement (language), Skill Enhancement, and Value-Added categories.

- a) In order to facilitate students to make an informed choice at the end of the first year, the two Major Courses and two Minor Courses offered at Semester I & II shall be from different subjects within the broad discipline.
- b) Students shall choose the Major of their interest within the broad disciplines at the end of the first year.

A Programme shall comprise of the following categories of courses:

- a) Disciplinary/Interdisciplinary Major (Core): A Major course will provide a student the opportunity to pursue in-depth study of a particular subject or discipline.
- **b)** Disciplinary/Interdisciplinary Minors: Students may opt for Minor courses from Disciplinary/ Interdisciplinary areas including skill- based courses relating to a chosen Vocational Education and Training.
- c) Vocational Education and Training (VET): VET shall form an integral part of the UG Programme to impart skills along with theory and practical. VET which can be related to the Major or Minor Discipline or choice of the student. A student shall have to declare subject/courses under VET at the end of Semester II.
- d) Multidisciplinary Courses (MC): UG students shall be required to undergo Introductory-level courses relating to any Broad Discipline that they have not undergone at the HSSC level as given below: Natural and Physical Sciences, Mathematics, Statistics and Computer Applications Library, Information and Media Sciences, Commerce and Management, Humanities and Social Sciences. A student shall mandatorily choose the MC course offered by the BoS from other broad disciplines.

## FIRST YEAR BACHELOR OF ARTS (F.Y.B.A.) SCHEME OF PAPERS

Broad	Sr.		Sem I		Sem II			
Discipline	No	Major	Minor	Multidisciplinary Course * choose any one from the subject not taken at HSSC Level	Major	Minor	Multidisciplinary Course * choose any one from the subject not taken at HSSC Level	
	1	Psychology	Economics		Political Science	Hindi		
	2	Psychology	English		Economics	Philosophy		
	3	Psychology	Political Science		History	Hindi		
	4	Psychology	Hindi		Philosophy	English		
	5	Political Science	Economics		Konkani	English		
6	6	Political Science	Marathi	MAT-131 Mathematical	Philosophy	Psychology	MAT-132 Descriptive	
Humanities and Social Sciences	7	Political Science	Hindi	CSC-131 Emerging Trends in Computers BOT-131 Kitchen Gardening	English	History	Statistics CSC-133 Cyber Security Essentials	
ocial S	8	English	History		Political Science	Marathi	BOT-132 Ecosystem Biodiversity CHC-131 Introduction to Chemistry GEO-132Physical Geology PHY-132 Indian	
S pc	9	English	Konkani		Economics	Psychology		
lb s	10	English	Philosophy	CHC-131 Introduction to Chemistry	Konkani	History		
manitie	11	English	Political Science	GEO-131The Dynamic Earth	Psychology	Economics		
훈	12	Economics	Psychology	PHY-131 History of	Philosophy	Konkani	Contribution to Physics	
	13	Economics	Marathi	Physics Zoo-131 Food, Nutrition and Health	Psychology	Political Science	ZOO-133 Public Health and Hygiene	
	14	Economics	Philosophy	and noditi	English	Konkani		
	15	Philosophy	English		History	Marathi		
	16	Philosophy	Psychology		History	Konkani		
	17	Philosophy	Konkani		Psychology	English		
	18	Konkani	History	]	Psychology	Hindi		
	19	Konkani	English	i i	Political Science	Economics		
	20	History	Konkani		English	Political Science		
	21	History	Marathi		English	Philosophy		
	22	History	Hindi	1	Economics	Marathi		

e) Value-Added Courses (VAC): The following are the VAC common to all UG students. In Semester I, one of the two Credit courses under VAC shall be Environmental Studies (EVS)

VAC	Sem I	Sem II
1	Paper I:Environmental Science and Education i) VAC 101: Environmental Studies 1 ii) VAC 103: Environmental Practices in Goa	Paper III : Digital and Technological Solutions i) VAC 101: Environmental Studies 1 ii) VAC 111: Awareness of Cyber Crimes and Security
2	Paper II:Understanding India i) VAC 105: Constitutional Values and Obligations ii) VAC 107: NCC and Nation Building (Army) iii) VAC 108: NCC and Nation Building (Navy) iv) VAC 109: Introduction to The Folktales of India v) VAC 110: Indian Economic Thought	Paper IV: Health & Description of the Paper IV: Health & Description o

- f) Ability Enhancement Courses (AEC): Students shall achieve competency in a Modern Indian Language (MIL) and in the English Language with special emphasis on communication, reading and writing skills. Semester Land II shall have English under AEC.
- g) Skills Enhancement Courses (SEC): SECs shall focus on practical skills, hands-on training, soft skills and such other courses to enhance the employability of students. Student will be offered an SEC paper in the Major subject in respective Semester.

## BACHELOR OF ARTS (B.A.) UNDER N.E.P.

## First Year Bachelor of Arts (F.Y.B.A.)

#### SEMESTER I and SEMESTER II

#### **CREDIT STRUCTURE**

Semester	MajorCore	Minor	МС	AEC	SEC	VAC	Total Credits	Exit
I	Major-1 (4)	Minor-1 (4)	MC-1 (3)	AEC-1 (2)	SEC-1 (3)	VAC-1 (2) VAC-2 (2)	20	-
11	Major-2 (4)	Minor-2 (4)	MC-2 (3)	AEC-2 (2)	SEC-2 (3)	VAC-3 (2) VAC-4 (2)	20	4

#### Note:-

- 1. Major-1, Major-2, etc. are the Major Courses.
- 2. Minor-1, Minor-2, etc. are the Minor Courses.
- 3. The students shall undergo one course each from four different subjects chosen from a broad discipline area as Major and Minor courses in Semester I and II.
- 4. Credits are indicated in brackets.
- 5. Those who exit shall have to do an additional 4 Credit Vocational Course during the summer term.

# BACHELOR OF ARTS (B.A.) UNDER CBCS Second Year Bachelor of Arts (S.Y.B.A.) SEMESTER III and SEMESTER IV SCHEME OF PAPERS {6 Papers carrying 100 marks each}

## CORE COURSE (CC)

English / Konkani / Marathi / Hindi (Semester III & IV)

## DISCIPLINE SPECIFIC CORE (DSC 1, 2,3)

Semester III & IV

Three DSC papers will be the same as chosen at the FYBA level (Semester I & II)

## SKILL ENHANCEMENT COURSE (SEC)

(Choose any one subject)

English / Economics / History / Philosophy/ Konkani / Marathi / Hindi / Psychology / Political Science

## GENERIC ELECTIVE (GE)

Semester III & IV (Choose any one subject other than DSC)

English / Economics / History / Philosophy/ Konkani / Marathi / Hindi /

Psychology / Political Science

## BACHELOR OF ARTS (B.A.) UNDER CBCS Second Year Bachelor of Arts (S.Y.B.A.) SEMESTER III and SEMESTER IV MARKS STRUCTURE

SEMESTER III & IV	Marks				
	Credits	ISA	SEE	Total	
СС	4	20	80	100	
DSC1	4	20	80	100	
DSC 2	4	20	80	100	
DSC 3	4	20	80	100	
SEC	4	20	80	100	
GE	4	20	80	100	
Grand Total	24	120	480	600	

SEMESTER III & IV	Marks				
	CreditsT+P	ISA	SEE	Pract.	Total
Psychology (DSC 3)	3+1	15	60	25	100

## BACHELOR OF ARTS (B.A.) UNDER CBCS Third Year Bachelor of Arts (T.Y.B.A) SEMESTER V and SEMESTER VI SCHEME OF PAPERS

{ B.A. Honours: 6 Papers carrying 100 marks each and 1 project work}

The subjects for B.A. Honours may be chosen from the list given below and should be one of the core subjects (DSCs) taken at S.Y.B.A.

- a) Economics
- b) English
- c) Psychology
- d) Political Science

- e) History
- f) Philosophy
- g) Konkani

{B.A. General: 4 papers carrying 100 marks each and 1 project work}

The subjects for B.A. General may be chosen from the subject combinations given below and should be among the Core Subjects (DSCs) taken at S.Y.B.A.

- 1) Hindi-Philosophy
- 2) Hindi-History
- 3) Hindi-English
- 4) Marathi-English
- 5) Marathi-History
- 6) Marathi-Philosophy
- 7) Konkani-History
- 8) Konkani-English

## BACHELOR OF ARTS (B.A.) UNDER CBCS Third Year Bachelor of Arts (T.Y.B.A.) Honours SEMESTER V and SEMESTER VI MARKS STRUCTURE

SEMESTER V	Marks			
	Credits	ISA	SEE	Total
DSC1	4	20	80	100
DSC 2	4	20	80	100
DSC 3	4	20	80	100
DSE1	4	20	80	100
DSE 2	4	20	80	100
DSE3	4	20	80	100
Grand Total	24	120	480	600

SEMESTER VI	Marks			
	Credits	ISA	SEE	Total
DSC1	4	20	80	100
DSC 2	4	20	80	100
DSC 3	4	20	80	100
DSE1	4	20	80	100
DSE 2	4	20	80	100
DSP*	4	-	100	100
Grand Total	24	100	500	600

A student who desires to acquire Honours degree shall offer DSCs and DSEs in a single subject of his /her choice in Semesters V and VI.

The core courses shall be common for B.A. and B.A. (Hons) programmes. \*DSP - In Semester VI, in lieu of one of the DSEs, a compulsory Discipline Specific Projects (DSP) shall be taken up. The topic for the project work shall be given in semester V. Students shall be required to carry out work for the project during Semesters V and VI. The assessment of the project will be carried out at the end of Semester VI. DSC - Discipline Specific Core DSE - Discipline Specific Elective

## BACHELOR OF ARTS (B.A.) UNDER CBCS Third Year Bachelor of Arts (T.Y.B.A.) General SEMESTER V and SEMESTER VI MARKS STRUCTURE

SEMESTER V	Marks			
	Credits	ISA	SEE	Total
DSC1	4	20	80	100
DSC 2	4	20	80	100
DSE1	4	20	80	100
DSE 2	4	20	80	100
Grand Total	16	80	320	400

SEMESTER VI	Marks			
	Credits	ISA	SEE	Total
DSC1	4	20	80	100
DSC 2	4	20	80	100
DSE1*	4	20	80	100
DSE 2 *	4	20	80	100
Grand Total	16	80	320	400

\*DSP - In Semester VI, in lieu of either one of the DSEs, a compulsory discipline specific project (DSP) shall be taken up. The topic for the project work shall be given in Semester V.

Students shall be required to carry out work for the project during Semesters V and VI. The assessment of the project will be carried out at the end of Semester VI. DSC - Discipline Specific Core, DSE - Discipline Specific Elective

# BACHELOR OF ARTS (B.A.) UNDER CBCS Third Year Bachelor of Arts in Psychology (T.Y.B.A.) Honours SEMESTER V and SEMESTER VI MARKS STRUCTURE

SEMESTER V	Marks								
	Credits	ISA	SEE	Pract.	Total				
DSC1	4	20	80	-	100				
DSC 2	3+1	15	60	25	100				
DSC 3	4	20	80	-	100				
DSE1	4	20	80	-	100				
DSE 2	4	20	80	-	100				
DSE 3	4	20	80	-	100				
Grand Total	24	115	460	25	600				

SEMESTER VI	Marks								
	Credits	ISA	SEE	Pract.	Total				
DSC1	4	20	80	_	100				
DSC 2	3+1	15	60	25	100				
DSC 3	4	20	80	_	100				
DSE1	4	20	80	_	100				
DSE 2	4	20	80	_	100				
DSP*	4	_	100	_	100				
Grand Total	24	95	480	25	600				

A student who desires to acquire Honours degree in Psychology shall offer DSCs and DSEs in Psychology in both Semesters V and VI.

\*DSP - In Semester VI, in lieu of one of the DSEs, a compulsory Discipline Specific Projects (DSP) shall be taken up. The topic for the project work shall be given in Semester V. Students shall be required to carry out work for the project during Semesters V and VI. The assessment of the project will be carried out at the end of Semester VI. DSC - Discipline Specific Core, DSE - Discipline Specific Elective

## BACHELOR OF SCIENCE (B.Sc.) UNDER N.E.P. First Year Bachelor of Science (F.Y.B.Sc.) SEMESTER I and SEMESTER II SCHEME OF PAPERS

The duration of the UG Programme shall be of Four Years/Eight Semesters with multiple entry and exit options. Students shall be eligible to choose Courses from Broad Disciplines of Study for Major and Minor Courses which are as follows:

- (i)Natural and Physical Sciences: Microbiology, Botany, Zoology, Biotechnology, Biochemistry, Chemistry, Physics, Electronics, Biophysics, Astronomy, Astrophysics, Earth Sciences, Environmental Sciences, and such others.
- (ii) Mathematics, Statistics, and Computer Applications: Mathematics, Statistics, Computer Applications, Programming Software, Applications Software and such others.
- (iii)Library, Information, and Media Sciences: Library Science, Information Science, Media Science, Journalism, Mass Media, Communication and such others.
- **(iv)Commerce and Management:** Business Management, Financial Accounting, Cost Accounting, Finance, Banking, Fintech, and such others.
- (v) Humanities and Social Sciences: Anthropology, Economics, History, Linguistics, Political Science, Psychology, Social Work, Women's Studies, Sociology, Archaeology, History, Comparative Literature, Arts & Creative Expressions, Creative Writing and Literature, Language(s), Philosophy, Cognitive Science, Environmental Science, Gender Studies, Global Environment, Health, International Relations, Political Economy and Development, Sustainable Development, Public Administration and such others.

Semesters I & II: Students shall undergo one course each from four different subjects chosen from a broad discipline area as Major and Minor courses, and other two Multidisciplinary courses to have basic knowledge not only in Major areas but also in other disciplines. Additionally, students shall also take up courses of their interest from Ability Enhancement (language), Skill Enhancement, and Value-Added categories.

- a) In order to facilitate students to make an informed choice at the end of the first year, the two Major Courses and two Minor Courses offered at Semester I & II shall be from different subjects within the broad discipline.
- b) Students shall choose the Major of their interest within the broad disciplines at the end of the first year.

A Programme shall comprise of the following categories of courses:

- a) Disciplinary/Interdisciplinary Major (Core): A Major course will provide a student the opportunity to pursue in-depth study of a particular subject or discipline.
- **b)** Disciplinary/Interdisciplinary Minors: Students may opt for Minor courses from Disciplinary/ Interdisciplinary areas including skill- based courses relating to a chosen Vocational Education and Training.
- c) Vocational Education and Training (VET): VET shall form an integral part of the UG Programme to impart skills along with theory and practical. VET which can be related to the Major or Minor Discipline or choice of the student. A student shall have to declare subject/courses under VET at the end of Semester II.
- d) Multidisciplinary Courses (MC): UG students shall be required to undergo Introductory-level courses relating to any Broad Discipline that they have not undergone at the HSSC level as given below: Natural and Physical Sciences, Mathematics, Statistics and Computer Applications Library, Information and Media Sciences, Commerce and Management, Humanities and Social Sciences. A student shall mandatorily choose the MC course offered by the BoS from other broad disciplines.

#### First Year Bachelor of Science (F.Y.B.Sc.) SCHEME OF PAPERS

Broad	Sr.			Sem I			Sem II
Discipline	No	Major	Minor	Multidisciplinary Course * choose any one from the subject not taken at HSSC Level	Major	Minor	Multidisciplinary Course * choose any one from the subject not taken at HSSC Level
	1	Chemistry	Physics	ECO-131 Sustainable Development HIS-131 Indigenous Heritage of Goa HIN-131 आध्निक हिंदी साहित्य की प्रमुख	Botany	Zoology	ECO-132 Globalisation HIS-132 Women in Goan History HIN-132 सिनेमा में साहित्य (Literature in Film)
	2	2 Botany Chemistry विधाएँ (Major Genres of Modern Hindi Literature)	Physics	Geology	KON-132 लोकवेव्हारांतली कोंकणी Functional Usage of Konkani MAR-132 माहितीपट निर्मिती (Documentary		
sec	3	Chemistry	MAR-131 मराठी साहित्यानंद (Joy of	Geology	Botany	Creation) PHI-132 Introduction to Feminist	
Natural and Physical Sciences	4	Chemistry	Geology	Marathi Literature) PHI-131 Ethics and Contemporary Social Issues	Zoology	Physics	Consciousness POL-132 Introduction to Human Rights PSY-132 Environmental Psychology
hysica	5	Botany	Geology	POL-131 Contemporary Issues in India PSY-131 Psychology of Adjustment	Chemistry	Physics	
I and P	6	Zoology	Physics		Chemistry	Botany	
Natura	7	Geology	Geology Botany		Zoology	Chemistry	
	8	Physics	Zoology		Chemistry	Geology	
:	9	Biotechnol ogy**(Self Financing)	Zoology	ECO-131 Sustainable Development	Microbiology	Chemistry	CSC-133 Cyber Security Essentials
D	10	Mathematics*	Computer Science*	ECO-131 Sustainable Development HIS-131 Indigenous Heritage of Goa HIN-131 आधुनिकहिंदी साहित्य की प्रमुख	Computer Applications		ECO-132 Globalisation HIS-132 Women in Goan History HIN-132 सिनेमा में साहित्य (Literature in Film)
Mathematics, Statistics, and Computer Applications	11	Computer Science*	Mathematics	विधाएँ (Major Genres of Modern Hindi Literature) KON-131 मौखीक कोंकणी Spoken Konkani MAR-131 मटाठी साहित्यानंद (Joy of Marathi Literature) PHI 131 Ethics and Contemporary Social Issues POL-131 Contemporary Issues in India PSY-131 Psychology of Adjustment	Computer Applications	Statistics	Kon-132 लोकवेव्हारांतली कोंकणी Functional Usage of Konkani MAR-132 माहितीपट निर्मिती (Documentary Creation) PHI-132 Introduction to Feminist Consciousness POL-132 Introduction to Human Rights PSY-132 Environmental Psychology

<sup>\*</sup> In case of broad discipline (ii) Mathematics, Statistics, and Computer Applications, the College offers B.Sc.(Honours) degree in the subject of Computer Science and B.Sc.(Honours) degree in the subject of Mathematics only.

<sup>\*\*</sup>A student offering Biotechnology(Self Financing) Course will have to continue with B.Sc.(Honours) degree in the subject of Biotechnology only.

e) Value-Added Courses (VAC): The following are the VAC common to all UG students. In Semester I, one of the two Credit courses under VAC shall be Environmental Studies (EVS)

VAC	Sem I	Sem II
1	Paper I : Environmental Science and Education i) VAC 101: Environmental Studies 1 ii) VAC 103: Environmental Practices in Goa	Paper III : Digital and Technological Solutions i) VAC 101: Environmental Studies 1 ii) VAC 111: Awareness of Cyber Crimes and Security
2	Paper II: Understanding India i) VAC 105: Constitutional Values and Obligations ii) VAC 107: NCC and Nation Building (Army) iii) VAC 108: NCC and Nation Building (Navy) iv) VAC 109: Introduction to The Folktales of India v) VAC 110: Indian Economic Thought	Paper IV: Health & Paper IV: Hea

- f) Ability Enhancement Courses (AEC): Students shall achieve competency in a Modern Indian Language (MIL) and in the English Language with special emphasis on communication, reading and writing skills. Semester I and II shall have English under AEC.
- g) Skills Enhancement Courses (SEC): SECs shall focus on practical skills, hands-on training, soft skills and such other courses to enhance the employability of students. Student will be offered an SEC paper in the Major subject in respective Semester.

#### BACHELOR OF SCIENCE (B.Sc.) UNDER N.E.P.

### First Year Bachelor of Science (F.Y.B.Sc.) SEMESTER I and SEMESTER II

#### **CREDIT STRUCTURE**

Semester	MajorCore	Minor	МС	AEC	SEC	VAC	Total Credits	Exit
I	Major-1 (4)	Minor-1 (4)	MC-1 (3)	AEC-1 (2)	SEC-1 (3)	VAC-1 (2) VAC-2 (2)	20	-
II	Major-2 (4)	Minor-2 (4)	MC-2 (3)	AEC-2 (2)	SEC-2 (3)	VAC-3 (2) VAC-4 (2)	20	4

#### Note:-

- 1. Major-1, Major-2, etc. are the Major Courses.
- 2. Minor-1, Minor-2, etc. are the Minor Courses.
- 3. The students shall undergo one course each from four different subjects chosen from a broad discipline area as Major and Minor courses in Semester Land II.
- 4. Credits are indicated in brackets.
- 5. Those who exit shall have to do an additional 4 Credit Vocational Course during the summer term.

# BACHELOR OF SCIENCE (B. Sc.) UNDER CBCS Second Year Bachelor of Science (S.Y.B.Sc.) SEMESTER III and SEMESTER IV SCHEME OF PAPERS

#### DISCIPLINE SPECIFIC CORE (DSC 1,2,3)

Total 6 credits for each DSC: Theory 4 credits and Practical 2 credits Choose the same group as opted in F.Y.B.Sc.

- 1. Chemistry, Physics, Mathematics (CPM)
- 2. Chemistry, Physics, Zoology (CPZ)
- 3. Chemistry, Physics, Geology (CPG)
- 4. Chemistry, Botany, Zoology (CBZ)
- 5. Chemistry, Botany, Geology (CBG)
- 6. Computer Science, Physics, Mathematics (CsPM) Students opting for Computer Science, Physics, Mathematics combination at S.Y. should opt for Honours in Computer Science in Semester V and VI. No other subject will be allowed. An undertaking regarding the same needs to be submitted.

#### SKILL ENHANCEMENT COMPULSORY COURSE (SEC)

Total 4 credits: Theory 3 credits and Practical 1 credit
Choose any one subject from the selected group DSC
Students opting for Computer Science, Physics, Mathematics
combination at S.Y. should opt for SEC in Computer Science in Semester III
and IV. No other subjects will be allowed.

# BACHELOR OF SCIENCE (B. Sc.) UNDER CBCS Second Year Bachelor of Science (S.Y.B.Sc.) SEMESTER III and SEMESTER IV MARKS STRUCTURE

SEMESTER	Credits	Marks			Total
III & IV	T+P	ISA	SEE Practical		Marks
DSC1	4+2	20	80	50	150
DSC 2	4+2	20	80	50	150
DSC 3	4+2	20	80	50	150
SEC 1	3+1	15	60	25	100
Grand Total	22	75 300 175		75 300 175	

**Total Credits: 22** 

# BACHELOR OF SCIENCE (B. Sc.) UNDER CBCS Third Year Bachelor of Science (T.Y.B.Sc.) - CBCS Honours SEMESTER V and SEMESTER VI SCHEME OF PAPERS

All Papers in any one of the following subjects offered in S.Y. B.Sc. (core papers)

- a) Physics b) Chemistry
- c) Botany d) Geology
- e) Zoology f) Mathematics
- g) Computer Science

Students who have opted for Computer Science, Physics, Mathematics combination at F.Y. and S.Y. will be offered only Computer Science in Semester V and VI.

# BACHELOR OF SCIENCE (B. Sc.) UNDER CBCS Third Year Bachelor of Science (T.Y.B.Sc.) - CBCS Honours SEMESTER V and SEMESTER VI MARKS STRUCTURE

SEMESTER	Credits		Total		
V	T+P	ISA	ISA SEE Practical		Marks
DSC1	4+2	20	80	50	150
DSC 2	4+2	20	80	50	150
DSC 3	4+2	20	80	50	150
DSE1	3+1	15	60	25	100
DSE 2	4	20	80	-	100
DSE 2	3+1	15	60	25	100
Grand Total	26	95/90	380/360	175/200	650

**Total Credits: 26** 

SEMESTER	Credits		Total		
VI	T+P	ISA	SEE	Practical	Marks
DSC 4	4+2	20	80	50	150
DSC 5	4+2	20	80	50	150
DSC 6	4+2	20	80	50	150
DSE 3	4	20	80	-	100
DSE 3	3+1	15	60	25	100
DSP (Project)	4	_	100	-	100
Grand Total	26	80/75	420/400	150/175	650

**Total Credits: 26** 

### TO BE READ IN DETAIL BY PARENTS & STUDENTS ATTENDANCE ORDINANCES

Minimum attendance for eligibility to appear for Examinations conducted by Goa University. (Effective from 12<sup>th</sup> February, 2019)

Ordinance OA-17 relating to Minimum attendance for eligibility to appear for Examinations conducted by Goa University.

#### OA-17.1 Objectives

To ensure regular attendance during every form of interactive instruction pertaining to the teaching of all the Undergraduate and Post Graduate Courses offered by Goa University.

#### OA-17.2 General

- (i) Attendance criteria under this Ordinance shall be brought to the notice of all the enrolled students by the concerned Institution/Department at the beginning of the academic year and the same shall be enforced strictly.
- (ii) (Effective from 12<sup>th</sup> February, 2019) The teacher(s) concerned shall engage not less than 90% of the actual number of lectures/practicals prescribed for the particular paper/course in the syllabus. The Principal or Dean of the College/Head of the PG Department shall ensure that the teachers in the College/Department actually engage the required lectures/practicals as mentioned above.

{Note: "Course" refers to Laboratory Course/Optional Course/ Compulsory Course or other similar instructional Courses} The Principal/Head of the Department may permit faculty members to engage the classes outside usual class timetable to enable them to complete the minimum prescribed number of classes.

(iii) (Effective from 21st February, 2019) Deleted

#### OA-17.3 Attendance and eligibility to appear for Examinations

- (i) (Effective from 12<sup>th</sup> February, 2019) The attendance shall be taken by the teacher for each lecture/ tutorial/ practical or any other component of teaching separately. He/She shall maintain such a paper-/course-wise Attendance Register.
- (ii) (Effective from 12<sup>th</sup> February, 2019) Attendance shall be taken on a day to day basis for all the students and shall be cumulative of all the months of the Semester/ Term / Year (in case of annual examination), as the case may be, for deciding the eligibility to appear for the respective examination. The statement of the cumulative attendance shall be prepared paper/course-wise and the same shall be displayed on the Notice Board / college website on a monthly basis. Where students have online access to attendance records, a notice directing students to check their records may be displayed on the notice board / college website on a monthly basis. A copy of this statement shall be sent to the University as and when requested by the University authorities.
- (iii) (Effective from 12<sup>th</sup> February, 2019) Deleted
- (iv) (Effective from 12<sup>th</sup> February, 2019) A student registered in a Semester / Term / Year, for any Programme (Degree or Diploma), shall ordinarily be required to have a minimum cumulative attendance of 75% of the total lectures and practicals engaged during that Semester / Term / Year and a minimum of 50% attendance of the total lectures and practicals engaged in any individual paper / course. In case of late admission on genuine grounds (to be decided by the Principal/Dean/Head of Department),

attendance shall be considered from the date of admission to the programme.

In case the faculty is unable to engage the actual number of lectures/practicals prescribed for a particular paper/course due to any reason, all the students shall be given full attendance to that number of classes that could not be engaged by the faculty. (For example, if a faculty could engage only 55 lectures out of prescribed 60 lectures, each student shall be given attendance of additional 5 lecture in that paper/course and the same shall be counted for counting 75% attendance requirement). Under CBCS, a student whose attendance is less than 75% shall have the option of dropping a paper(s)/ Course(s) in order to meet the minimum 75% attendance requirement. Institutions may conduct remedial classes to those students whose attendance is below 75% to meet the requirement under this provision. However, such remedial classes cannot be conducted after the commencement of the Semester End Examinations for the respective Semester.

- (v) (Effective from 12<sup>th</sup> February, 2019) A student, not fulfilling the minimum attendance requirements mentioned above, shall not be eligible to appear for that Semester / Term / Annual Examination. Such student shall have to seek readmission to the Course/Programme during the subsequent Academic Year / Term / Semester by paying the requisite fees. Such a student shall not be treated as a fresh applicant for admission if the re-admission is in the same Institution. Readmission to professional colleges for the First Year of the programme shall be as per the admission rules of the program. These students need not answer the eligibility test.
- (vi) For a student registered for subject / subjects having practical component, attendance for both theory and practical component shall be

treated separately for the requisite attendance mentioned above.

(vii) (Effective from 12<sup>th</sup> February, 2019) In case a student desires to seek admission during the course of the Academic year to a different institution for the same programme, her/his attendance shall be transferred.

(viii) (Effective from 12<sup>th</sup> February, 2019) A student representing the Institution/ University / State / Country in extracurricular activities such as NCC / NSS / Sports / Cultural events, on obtaining prior approval of the Principal / Dean / Head of Department, shall be marked "Present" for the lectures/practicals missed, provided such absence is supported by documentary evidence issued by the appropriate authority such as Commanding Officer of NCC, Director of Sports and Youth Affairs, Director / Asst. Director of Sports in Government / University or an authorized official of these and other similar bodies.

(ix) (Effective from 12<sup>th</sup> February, 2019) Absence on medical grounds for more than four continuous working days is required to be supported with a Medical Certificate which should be submitted within seven days after rejoining the class. Absence beyond 25% maybe condoned on medical grounds. Students participating in sports at the Inter-collegiate Championship level may be given upto 15% relaxation in attendance. Further, a student who participates in two or more Inter-collegiate Championships may be given an additional 10% relaxation in attendance. A student representing the University at Inter University Championships or the State at National level Championships or higher levels, may be given relaxation upto 50% in attendance. However, the maximum relaxation permissible to a student on all accounts shall not be more than 50%.

- (x) (Effective from 12<sup>th</sup> February, 2019) Any case not covered under the above clauses but recommended by the Principal / Dean / Head of the Department to be condoned, shall be referred to a Committee consisting of (i) Vice-Chancellor (Chairperson), (ii) Registrar and (iii) Principal of the Institutions/Dean of the College / Head of the Department concerned, as members.
- (xi) (Effective from 12<sup>th</sup> February, 2019) For Programmes that are governed by the regulations of Central governing/regulatory bodies, the norms prescribed by the respective bodies as amended from time to time shall apply.
- (xii) (Effective from 12<sup>th</sup> February, 2019) A student, who has any grievance about the attendance record, may bring the same to the notice of the Principal/Dean/Head of the Department, in writing, within three days from the date of display of the attendance on the Notice Board/Notice regarding checking of attendance online. The Principal/Dean/Head of the Department, on receipt of such a complaint, shall verify the accuracy of the attendance records and allow the aggrieved student to inspect the records, if necessary, and shall dispose of the complaint preferably within a period of seven days.

#### **EXAMINATION ORDINANCES**

#### OC-66.5 Scheme of Examination (B.A./B.Sc.)

- 1. (a) The evaluation for the courses, shall comprise Intra-Semester Assessment (ISA) and the Semester End Examination (SEE).
- (b) The ISA tests shall carry 20% of maximum marks allotted for the course, and SEE shall carry 80% marks. There shall not be an ISA for the Practical component of the course.
- (c) A course of 4 Credits for total of 100 marks, having only Theory, shall have ISA for 20 marks and SEE for 80 marks.
- (d) A course of 4 Credits for total of 100 marks having Theory and Practical components shall have ISA's only for Theory component for total of 15 marks, and SEE Theory component for 60 marks and Practical component for 25 marks. A Course of 6 Credits for total of 150 marks having Theory and Practical components shall have ISA's only for Theory component for total of 20 marks, and SEE Theory component for 80 marks and Practical component for 50 marks.
- (e) Courses of any other number of Credits shall have proportionate marking system.
- 2. (a) The ISA for the theory component of a Course shall be conducted twice in a given Semester, once through a written test, and the other by using alternate modes of evaluation, including assignment/presentation/orals/such other. There shall not be any averaging of ISA marks.
- (b) Generally, the ISA for a given Course shall be conducted by the teacher/s teaching that Course.
- (c) The schedule for the ISAs shall be notified to all at the beginning of the Semester.
- (d) The marks of ISA shall be communicated to the students within two weeks.

- (e) ISA I shall preferably be completed by the end of July for odd Semesters and end of January for even Semesters. Students who fail to appear for the test due to a genuine reason shall be given another opportunity by the end of August/February respectively, on a date pre-determined by the college. ISA II shall be completed as decided by the teacher but before the end of the Semester.
- (f) Every College shall appoint a three member committee to moniter ISA in the College. There would be no remission in workload or remuneration for carrying this work.
- (g) A student who does not appear for two ISAs of a Course shall not be eligible to answer SEE of that Course.
- 3. (a) The SEE shall be conducted at the conclusion of a given Semester, and shall cover the entire syllabus prescribed for the respective Course.
- (b) A candidate shall be considered to have successfully fulfilled the requirements of a Semester to be eligible to appear for the SEE provided he/she has appeared for two ISAs of the Course, and fulfils the minimum attendance requirements as per the relevant rules of the University. A candidate failing to fulfil these conditions shall have to repeat the Semester.
- (c) A tentative schedule of SEE examination of Semesters I-IV, evaluation, declaration of results shall be prepared by the respective College(s), preferably at the beginning of each academic year and shall be notified to their students with a copy to the University. Setting of the question papers, evaluation of answer scripts and declaration of results shall be done by respective Colleges.
- 4. (a) (i) Examination(s) in Laboratory exercises shall be conducted for Courses having practical component. Marks shall be allotted for journal/lab record book, field work, experiment assigned to the candidate and oral, and shall be broadly as follows: Experiment 60%, Journal 20%,

Orals 20%. The final break-up of marks shall be as recommended by the Board of Studies in the respective subject, approved by the Academic Council and notified by the University to all the colleges.

- (ii) For assessing the candidate's performance in the assigned experiment, the examiner shall take into account the planning, the procedure and the technique followed by the candidate along with the readings/observations, the results and the presentation.
- (iii) Candidates shall be required to submit the journal/record book while entering the laboratory to appear for the practical examination. Examiner(s) shall take into account the regularity of the candidate in attending the Laboratory Course, completeness of the exercises, presentation and style of writing the journal. For subjects having field work component, the candidate shall be required to submit the report of such field excursion(s) along with the journal(s) for assessment. The examiner(s) shall consider the report along with journal(s) while allotting the marks.
- (iv) In oral examination, the examiner(s) shall assess the knowledge of the candidate in the Course as well as the experiment(s) performed by the candidate.
- (b) Record of the breakup of marks thus obtained by the candidate for Semesters I to IV, shall be maintained by the respective College in a sealed envelope for a minimum period of 4 years.
- (c) A candidate may be permitted, strictly on medical or other genuine grounds, to appear for practical examination out of turn, irrespective of the timetable and the batch allotted to him/her, in the examination programme for Semester-V and Semester-VI issued by the University. This out of turn appearance may be in the same college in a different batch or in a different college. Such permission may be granted by the University if so recommended by the Principal of the College. The candidate shall be

required to remit the requisite fee for his/her being examined out of turn.

- 5. (a)(i) The project shall be compulsory for all students in lieu of a DSE. Discipline Specific Project (DSP) shall be assigned during the V semester and assessed and credits assigned in the VI semester. The project shall be group project with a maximum of 5 students per group. A teacher shall not be ordinarily assigned more than 2 projects. The project workload will be 2 hours per week for a group of 5 students and for a group of 3 or less students the workload will be 1 hour per week.
- (ii) Project work and the Report shall be based on field work/library work/laboratory work/on-the-job training or similar work assigned by the teacher.
- (b) The assessment of the Project Course shall be done equally by Internal Examiner (Project Supervisor for 50 marks) and External Examiner (for 50 marks) as per the guidelines defined in the Project Manual.
- 6. (a)(i) Revaluation of answer books of the candidates at Semesters V and VI shall be permitted as per the existing provisions of OA-5.15 for revaluation/verification.
- (ii) However, revaluation at Semesters I to IV examinations shall not be permitted. Personal verification of marks shall be granted to the candidate in the presence of Principal/Vice-Principal and the concerned Examiner, provided he/she has applied for the same along with payment of prescribed fees, within one week of the declaration of result.
- (b) The following shall be the procedure for the verification of marks:
- (i) On a notified day and time, which should be not later than 10 days after the receipt of application from the candidate, the candidate shall be shown the answer book in the chamber of the Principal/Vice- Principal in the presence of the Examiner concerned.
- (ii) If the candidate is not satisfied with the result on personal verification of answer book, he may apply to the College Grievance Committee within a week.

- (iii) The College Grievance Committee shall take appropriate action as per the relevant Ordinance and inform the candidate of the decision taken accordingly.
- 7. A supplementary examination shall be conducted, preferably after 15 days from the declaration of results of Semester II and IV examinations. Students who have a backlog of any or all the papers (theory/ practical) of Semesters I, II, III and IV are eligible to appear for this examination.
- 8. (a)(i) Improvement of performance/total score shall be permitted to a candidate who has passed the B.A./B.com/B.Sc. degree examination, in which case he/she shall be required to appear again only in the SEE component of the papers of Semester V and /or Semester VI examinations, excluding the Project Course. For this purpose, the marks scored at the first appearance in the Project Course, as also in ISA component of the other papers, shall be carried forward for tabulation of the result under "improvement of performance".
- (ii) A candidate shall not be permitted to reappear for improvement of performance at Semesters-I, II, III and IV.
- (iii) This facility to reappear under improvement shall be available during the immediately subsequent regular Semester-V and Semester-VI examinations, but within double the duration period.
- (iv) The performance of a candidate, who appears under this provision and fails to improve, shall be ignored.
- (b)(i) The candidate availing of this provision shall be considered to have passed Semesters-V and/or VI "under improvement" and this fact shall be recorded on his/her statements of marks and other relevant documents.
- (ii) The candidate shall be required to surrender the original statement of marks and other relevant documents at the time of receiving the fresh statement of marks in the event of improvement of performance/total

score.

(iii) A candidate can appear only once under this clause.

#### 9. Award of Grades

A Grade Certificate shall be issued to all the registered students after every Semester based on the grades earned. The Grade Certificate will display the Course details (code, title, number of credits, grade secured). Marks awarded in each course shall be represented in the form of Grades in the grade sheet issued at the end of each semester.

Letter Grade shall be the index of the performance of students in a said Course, denoted by letters O, A+, A, B+, B, C, P and F, and calculated based on Grade Point and marks obtained for each course, as shown in the table below.

Letter Grade	Grade Point	Marks %
O (Outstanding)	10	85 - 100
A+ (Excellent)	9	75 - <85
A (Very Good)	8	65-<75
B+ (Good)	7	55-<65
B (Above Average)	6	50-<55
C (Average)	5	45-<50
P (Pass)	4	40-<45
F (Fail)	0	0-<40
AB (Absent)	0	-

10. A student shall be required to score a minimum of 'P' grade in ISA, SEE and practical components taken together to pass in a Course in Semesters I to VI.

#### OC-66.6 Grade Point Average (GPA)

The grade sheet in every semester shall reflect Semester Grade Point

end of the programme, which shall be a measure of overall cumulative performance of a student over semester I-VI.

The SGPA / CGPA/FGPA shall be converted to a Letter Grade, as shown in the table below:

CGPA	Grades
10.0	O (Outstanding)
9.0 - <10	A+ (Excellent)
8.0 - < 9.0	A (Very Good)
7.0 - <8.0	B+ (Good)
6.0 - < 7.0	B (Above Average)
5.0 - < 6.0	C (Average)
4.0 - < 5.0	P (Pass)
Less than required	
credits or CGPA < 4.0	F (Fail)

OA-16.4.6 Calculation of Semester Grade Point average (SGPA) and Cumulative Grade Point Average (CGPA):

(a) Calculation of weighted grade point of a Course shall be done by multiplying the grade points scored, by the number of Credits of the respective Course. Calculation of Semester Grade point average (SGPA) and Cumulative Grade Point Average is:

i. The SGPA is the ratio of the sum of the product of the number of Credits with the grade points scored by a student in all the courses taken by a student and the sum of the number of Credits of all the Courses undergone by a student:

SGPA (Si) = 
$$\Sigma$$
 (Ci x Gi) /  $\Sigma$  Ci

Where Ci number of Credits of the Course and Gi is the grade point scored

by the student in the Course.

ii. The CGPA is also calculated in the same manner taking in to account all the courses undergone by a student over all the Semester of a Programme:

CGPA =  $\Sigma$  (Ci x Si)  $/\Sigma$  Ci

Where Si is the SGPA of the Semester and Ci is the total number of Credits in that Semester.

- (b) The SGPA and CGPA shall be rounded off to 2 decimal point and reported in the grade certificate.
- (c) For each Course a student securing 'F' and 'AB' grade in the Course shall not be entitled to earn any credits for that Course.

#### **NOTICE**

If any valuable or cash is found on College Campus, you are required to submit it in the College Office.

Kindly note that the College is Green Certified and students are requested to do the cashless transactions on Campus. You are requested not to carry valuables and large amount of cash on Campus.

Further, it is also informed that the College authorities will not be responsible for any loss, robbery and damage of belongings of the student.

### Schedule of College Fees 2023-2024 (As per existing rules of Goa University)\* subject to change

	FYBA General	FYBA Psycho	SYBA General	SYBA Psycho	TYBA General	TYBA Psycho
IAIMS Fee	225.00	225.00	225.00	225.00	225.00	225.00
Registration Fee	660.00	660.00				
Tution Fees	2,000.00	2,000.00	2,000.00	2,000.00	2,000.00	2,000.00
Library Fee	500.00	500.00	500.00	500.00	500.00	500.00
Gymkhana Fee	500.00	500.00	500.00	500.00	500.00	500.00
Other Fee/Cultural Fees	500.00	500.00	500.00	500.00	500.00	500.00
Student Aid Fund	130.00	130.00	130.00	130.00	130.00	130.00
Library Deposit	70.00	70.00				
C. M. Deposit	70.00	70.00	70.00	70.00	70.00	70.00
Academic Restructuring & Development	1,500.00	1,500,00	1,500.00	1,500.00	1,500.00	1,500.00
Laboratory Practical Fee		300.00		300.00		300.00
GE/SEC Fee**	500.00	500.00	500.00	500.00	500.00	500.00
I. Tech. Charges	820.00	820.00	820.00	820.00	820.00	820.00
College Exam Fee	#	#	#	#	#	#
Total Fees	7,475.00	7,775.00	6,745.00	7,045.00	6,745.00	7,045.00
Other Charges*	1,150.00	1,150.00	1,150.00	1,150.00	1,150.00	1,150.00
Grand Total	8,625.00	8,925.00	7,895.00	8,195.00	7,895.00	8,195.00

Note: #FYBA & SYBA semester examinations fees will be charged at the time of filling the examination form.

- 1. TYBA semester examination fees are charged by Goa University separately.
- 2. Laboratory/Library deposits are refundable after deducting the breakages/damages if any.
- 3.\*Other charges like PTA membership, I-card and Academic Diary / Placement Brochure will be charged at the time of admission.
- 4. \*Wherever applicable (Such as Generic Elective/Skill Enhancement Courses etc.)
- Under 'Fee waiver scheme' proposed by Government of Goa for Higher Education for SC/ST candidates the following fees will be waived at the time of admission on submission of duly filled in forms along with required documents.
- a) Tuition Fees b) Library Fees c) Laboratory Fees
- Registration/enrolment fee for students from other University (NRI/ICCR/Foreign University) is Rs 3,860.00.

### Schedule of College Fees 2023-2024 (As per existing rules of Goa University)\* subject to change

	FYBSc General	FYBSc Maths	FYBSc Comp.Sc.	SYBSc General	SYBSc Maths	SYBSc Comp. Sc.	TYBSc General	TYBSc Maths	TYBSc Comp. Sc.
IAIMS Fee	225.00	225.00	225.00	225.00	225.00	225.00	225.00	225.00	225.00
Registration Fee	660.00	660.00	660.00						
Tution Fees	2,000.00	2,000.00	3,000.00	2,000.00	2,000.00	3,000.00	2,000.00	2,000.00	3,000.00
Library Fee	500.00	500.00	500.00	500.00	500.00	500.00	500.00	500.00	500.00
Gymkhana Fee	500.00	500.00	500.00	500.00	500.00	500.00	500.00	500.00	500.00
Other Fee/ Cultural fees	500.00	500.00	500.00	500.00	500.00	500.00	500.00	500.00	500.00
Student Aid Fund	130.00	130.00	130.00	130.00	130.00	130.00	130.00	130.00	130.00
Library Deposit	70.00	70.00	70.00						
C. M. Deposit	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00
Laboratory Deposit	90.00	90.00	90.00						
Laboratory Practical Fee	950.00	950.00		950.00	950.00		950.00	950.00	
Computer Laboratory Fee			2,600.00			2,600.00			2,600.00
I. Tech. Charges	820.00	820.00		820.00	820.00		820.00	820.00	
Academic Restructuring									
& Development	1,500.00	1,500.00	1,500.00	1,500.00	1,500.00	1,500.00	1,500.00	1,500.00	1,500.00
College Exam Fee	#	#	#	#	#	#	#	#	#
Total Fees	8,015.00	8,015.00	9,845.00	7,195.00	6,465.00	9,025.00	7,195.00	7,195.00	9,025.00
Other Charges*	1,150.00	1,150.00	1,150.00	1,150.00	1,150.00	1,150.00	1,150.00	1,150.00	1,150.00
Grand Total	9,165.00	9,165.00	10,995.00	8,345.00	8,345.00	10,175.00	8,345.00	8,345.00	10,175.00

Note: #FYBSc & SYBSc semester examinations fees will be charged at the time of filling the examination form.

- 1. TYBSc semester examination fees are charged by Goa University separately.
- 2. Laboratory/Library deposits are refundable after deducting the breakages/damages if any.
- 3.\*Other charges like PTA membership, I-card and Academic Diary/Placement Brouchure will be charged at the time of admission.
- 4. Under 'Fee waiver scheme' proposed by Government of Goa for Higher Education for SC/ST candidates the following fees will be waived at the time of admission on submission of duly filled in forms alongwith required documents.
- a) Tution Fees b) Library Fees c) Laboratory Fees
- 5) Registration/enrolment fee for students from other University (NRI/ICCR/Foreign University) is Rs 3,860.00.

#### Schedule of Other Fees

The following structure for other fees payable by the student has been approved for implementation for the academic year 2022-23, as per notification GU/Academic(Colg)/Fees/2021/113 dated 09/07/2021.

Sr.No.	Fee Particulars	Amount in INR
1	Eligibility Fees for Indian students	600.00
2	Eligibility Fees for Foreign students	3,620.00
3	Migration Certificate	500.00
4	Duplicate Migration Certificate	600.00
5	Cancellation of Migration Certificate (after 6 months)	250.00
6	One time admission fees for Foreign students	36,000.00
7	Issue of NOC for transfer of internship	1100.00
8	Late fees for applying Provisional Eligibility Certificate	110.00
	(for every delayed month)	
9	Registration/Enrollment fee	
а	Students from Goa Board / Other Board in India	600.00
b	Students from Other Boards / ICCR / NRI / Foreign students	600.00
С	Students from Other University (NRI / ICCR / Foreign University)	3,500.00
d	Goa University with Permanent Registration Number	600.00
е	Goa University without P. R. Number/ Ex-Migration student	1200.00
f	Late fee for Registration/Enrollment per student (per month)	110.00

#### Refund of Fees (Grant-in-aid)

(As per Goa University Circular No-GU/130/Acad-PG/Refund of Fees/ 327 dated 26/11/2019)

#### Rules relating to the refund of tuition fees are as follows:

a) If a student chooses to withdraw from the programme of study in which he/she is enrolled, the following five-tier system shall be followed for the refund of fees remitted by him/her.

Sr. No.	Point of time when notice of withdrawal of admission is served to the College/University	% of refund of Aggregate fees*
1.	15 days or more before the formally notified last date	
	of admission.	100%
2.	Less than 15 days before the formally notified last	
	date of admission.	90%
3.	15 days or less after the	
	formally notified last date of admission.	80%
4.	More than 15 days but less than 30 days after formally	
	notified last date of admission	50%
5.	More than 30 days after formally notified last date of	
	admission.	0%

- \* (Inclusive of tuition fees and non-tuition fees but exclusive of Caution Deposit and Security Deposit)
- b) Caution Deposit and Security Deposit shall be refunded in full.
- c) In case of (I) in the table above, 5% of the fees paid by the student, subject to a maximum of Rs. 5000/- shall be deducted as processing charges from the refundable amount.
- d) Fees shall be refunded to an eligible student within 15 days from the date of receiving a written application from him/her in this regard.
- e) The fees of the student who have already been admitted to a programme of the University and have paid the fees and are subsequently admitted to another programme shall have to pay the fees for the final admission and claim the refund of fees paid earlier, in which case no

administrative charges shall be deducted from fees paid earlier by the student.

However, if the fees payable for both the programmes are the same, the fees paid earlier shall be transferred to the final programme where admission is sought.

f) All other cases of the refund of the fees will be decided on case to case basis on its merit.

#### Fines imposed by the Library

- 1) Late returning of books Rs 1/- per day including Public holidays and Sundays.
- 2) Loss and damage of books Cost of the book plus 20% of the cost.
- 3) Loss of Library Cards Rs. 10/- per Card.

### List of Papers/Courses offered at the B.A. Programme by various departments BACHELOR OF ARTS

#### **ECONOMICS**

Class	Semester	Paper	Paper Code	Paper Title	Credits
FY.	l	Major	ECO 100	Introduction to Economics	4
(under		Minor	ECO 111	Political Economy I	4
NEP from		SEC	ECO 144	Introduction to Entrepreneurship	1+2
2023-24)		VAC	ECO 104	Indian Economic Thought	2
,	II	Major	ECO 100	Introduction to Economics	2
		Minor	ECO 112	Political Economy II	4
		SEC	ECO 145	Fundamentals of Entrepreneurship	1+2
SY.	III	DSC	ECC 103	Macroeconomics I	4
(under CBCS		GE	ECG 105	Industrial relations and Labour	
from				welfare I	4
2017-18)		SEC	ECS 103	Financial Economics I	4
	IV	DSC	ECC104	Macroeconomics II	4
		GE	ECG 106	Industrial relations & Labour welfare II	4
		SEC	ECS 104	Financial Economics II	4
TY.	V	DSC	ECC105	Indian Economy I	4
(under		DSC	ECC107	Public Finance I	4
CBCS		DSC	ECC109	International Economics I	4
2017-18)		DSE	ECD 111	Growth and Development I	4
		DSE	ECD 113	Research Methodology I	4
		DSE	ECD 115	Environmental Economics I	4
	VI	DSC	ECC106	Indian Economy II	4
		DSC	ECC108	Public Finance II	4
		DSC	ECC110	International Economics II	4
		DSE	ECD 114	Research Methodology II	4
		DSE	ECD 116	Environmental Economics II	4
		DSP	ECP 100	Project Work	4

#### **ENGLISH**

Class	Semester	Paper	Paper Code	Paper Title	Credits
			Coue		
F.Y.	I	Major	ENG 100	Introduction to English Literature	4
(under NEP		Minor	ENG 111	Science Fiction in English	4
from		SEC	ENG 141	Soft Skills	1+2
2023-24)		AEC	ENG 151	Communicative English: Spoken and Written	2
		VAC	VAC 109	Introduction to The Folktales of India	2
	II	Major	ENG 100	Introduction to English Literature	4
		Minor	ENG 111	Science Fiction in English	4
		SEC	ENG 142	Creative Writing in English	1+2
		AEC	ENG 151	Communicative English: Spoken and Written	2
S.Y.	III	CC	EGC 203	Advanced Communicative English 2.1	4
(under		DSC	ENC 103	British Poetry and Drama:14th to 17th	
CBCS				Centuries	4
2017-18)		GE	ENG 124	Text and Performance	4
		SEC	ENS 103	Soft Skills	4
	IV	CC	EGC 204	Advanced Communicative English 2.2	4
		DSC	ENC 116	British Literature:	
				19th Century	4
		GE	ENG 122	Culture Study Through Films: America	4
		SEC	ENS 102	Creative Writing	4
T.Y.	V	DSC	ENC 105	American Literature	4
(under CBCS		DSC	ENC 106	Modern European Drama	4
from		DSC	ENC 110	British Literature: Early 20th Century	4
2017-18)		DSE	END 101	Literary Criticism	4
		DSE	END 103	Modern Indian Writing in English Translation	4
		DSE	END 106	Science Fiction and Detective Fiction	4
	VI	DSC	ENC 108	Postcolonial Literatures	4
		DSC	ENC 109	Women's Writing	4
		DSC	ENC 101	Popular Literature	4
		DSE	END 107	Literature of the Indian Diaspora	4
		DSE	END 108	World Literatures	4
		DSE	ENP	Project is in lieu of one elective at	
				Semester VI	4

#### **HISTORY**

Class	Semester	Paper	Paper	Paper Title	Credits
Class	Semester	rapei	•	гарет ппе	Credits
			Code		
F.Y.	ı	Major	HIS-100	History of Goa (From Early Times to Liberation	4
(under		Minor	HIS - 111	Resistance to Colonial rule in Goa	4
NEP		SEC	HIS – 141	Introduction to Archaeology	3
from 2023-24)	Ш	Major	HIS – 100	History of Goa	
2020 24)	11	Iviajoi	1113 – 100	•	4
		Minor	HIS – 111	(From Early Times to Liberation) Resistance to Colonial rule in Goa	4
		SEC			3
S.Y.	III	DSC	HIS - 142 HSC 103	Introduction to Museology	٥
5.1.	III		HSC 103	History of Medieval India	4
(under			HSG 101	(9th to 18th Centuries)	4
CBCS		GE		Goan Heritage	
from	11.7	SEC	HSS 102	Introduction to Museology	4
2017-18)	IV	DSC	HSC 104	Social Formations and Cultural	
			1100 404	Patterns of the Medieval World	4
		GE	HSG 104	History of World Religions	4
T./		SEC	HSS 101	Introduction to Archaeology	4
T.Y.	V	DSC	HSC 105	Indian National Movement (1857-1947)	4
(under			R&HSC 106	History of Marathas (1630- 1818)	4
CBCS		DSC	HSC 107	World Revolutions	4
from		DSE	HSD 101	History of Goa	
2017-18)		GE		(From the Phase of Resistance to	
				Statehood and Beyond)	4
		DSE	HSD 103	Ancient Civilizations: Mesopotamia,	
				Egypt, Greece and Rome (From	
				Earliest Times up to 500 CE)	4
		DSE	HSD 102	Rise of Modern West	4
	VI	ı	HSC 108	India Since Independence (1947-2000)	4
			R & HSC 109	History of Women's Movement	4
		DSC	HSC 110	History of Modem Europe (1815-1945)	4
		DSE	HSD 106	History of Modem Japan (1852-1963)	4
		1 1	R&HSD 107	History of U.S.A. (1861-1963)	4
		DSE	HSP 111	Project Work	4

### INDIAN LANGUAGES HINDI

Class	Semester	Paper	Paper	Paper Title	Credits
			Code		
F.Y. (under	I	Minor	HIN 111	हिंदी नाट्य साहित्य: परिचयात्मक अध्ययन	
NEP				(Hindi Drama Literature: Introductory Study)	4
from 2023-24)	II	Minor	HIN 111	हिंदी नाट्य साहित्य: परिचयात्मक अध्ययन	
				(Hindi Drama Literature: Introductory Study)	4
S.Y.	III	DSC	HNC 103	Hindi Sahitya Ka Aadhikal Evam	
(under CBCS				Madyakaal:Parichayatmak Adhyayan	4
from 2017-18)		CC	HGC 101	Aadhunik Hindi Gadhya Ki Itar Vidhayein	4
2017-10)		GE	HNG 103	Hindi Sahitya Ki Vivdh Vidhavein	4
		SEC	HNS 101	Sambhashan Kala	4
	IV	DSC	HNC 104	Aadhunik Hindi Gadhya Sahitya:Parichayatmak	
				Adhyayan (from 1850 to 1960)	4
		CC	HGC 102	Aadhunik Hindi Padya	4
		GE	HNG 104	Sahitya Aur Hindi Cinema	4
		SEC	HNS 102	Samachar Sankalan Aur Lekhan	4
T.Y.	V	DSC	HNC 105	Aadhunik Hindi Kavya Ka Itihaas	4
(under CBCS		DSE	HND 101	Rachnatmak Lekhan	4
from 2017-18)	VI	DSC	HNC 108	Swatantryottar Hindi Gadya	4
2011-10)		DSE	HND 104	Prayojanmoolak Hindi	4

#### **INDIAN LANGUAGES**

#### **KONKANI**

Class	Seme-	Paper	Paper	Paper Title Paper Title	Credits
	ster		Code		
F.Y.	ı	Major	KON-100	कोंकणी कथा परिचय	
(under				An Introduction to Konkani Short Story	4
NEP		Minor	KON-111	कोंकणी विनोदी निबंद	
from 2023-24)				Humorous Essays in Konkani	4
2023-24)		SEC	KON-141	म्हायतीपट लेखन आनी निर्मिती प्रक्रिया	
				Documentary: Script Writing and	
				Production Process	1+2
	II	Major	KON-100	कोंकणी कथा परिचय	
			_	An Introduction to Konkani Short Story	4
		Minor	KON-112	कोंकणी लोककलांची वळख	
		050	1/01/1/10	An Introduction to Goan Folk Art	4
0.1/		SEC	KON-142	सुत्रसंचालन कौशल्यां Anchoring Skills	1+2
S.Y.	III	CC-Gen	KGC 101	Konkani Ekanki : Siddhant Ani Aswadan	4
(under CBCS	IV III	CC-Gen DSC	KGC 102 KOC 103	Konkani Rangamachi : Tiatr Konkani Kavita: Siddhant Ani Rasaswad	4 4
from	IV	DSC	KOC 103	Konkani Rangamachi : Natak	4
2017-18)	III	GE	KOC 104 KOG 103	Vinodi Sahityacho Abhyas	4
	IV	GE	KOG 100	Goemchem Lok Sanskrutik Daiz	4
	III	SEC	KOS 101	Film Aswadan	4
	IV	SEC	KOS 102	Film Nirmiti Parichay	4
T.Y.	V	DSC HNR	& KOC 105	Konkani Bhas Ani Sahityacho Itihas	
B.A/			·	(10vya te 19vya Shenkddeameren)	4
HNR					
(under CBCS	V	DSC	KOC 106	Bharatiya Kavyashastr	4
from	V	DSC HNR	KOC 107	Venchik Konkani Kadambarecho Abhyas	4
2017-18)	V	DOE GEI	ו עו עטא א	Prashasakiy Vevharantli Konkani	4 4
	V	DSE DSE	KOD 102 KOD 103	Bhasvidnyanachi Vallakh Bakibab Borkar Hanchea Konkani	4
	V	DSE	KOD 103	Kavitancho Abhyas	4
	VI	DSC HNR	& KOC 108	Adhunik Konkani Sahityacho Itihas	
	V '	GEN	1 100 100	(20vo shenkddo tem 2015 meren)	4
	VI	DSC	KOC 109	Samiksha: Siddhant Ani Upayojan	4
	VI	DSC	KOC 110	Venchik Konkani Vyaktichitrannam	4
	VI	DSE HNR	<sup>8</sup> KOD 104	Lok Vevharantli Konkani Bhas	4
	VI	DSE GE	KOD 105	Konkani Bhashecho Vyakarannik Abhyas	4
	VI	DSP	KOP 101	Project Paper	4

#### **INDIAN LANGUAGES**

#### **MARATHI**

Class	Seme- ster	Paper	Paper Code	Paper Title	Credits
F.Y. (under	I	Minor	MAR-111	गोमंतकीय लोकसंस्कृती आणि लोकपरंपरा. ( Goan Folk Culture and Folk Traditions	4
NEP from 2023-24)	II	Minor	MAR-112	एकांकिकाः एक वाङ्मयप्रकार (One Act Play: A Form of Literature)	4
S.Y. (under	III	DSC	MRC 103	कादंबरी : एक वाङ्मय प्रकार	
CBCS		CC	MGC 101	Novel: A Form Of Literature व्यक्तिमत्व विकास	4
from 2017-18)		GE	MRG 103	Personality Development गोमन्तकातील लोकसंकृती आणि लोकपरंपरा	4
	IV	SEC	MRS 101	Goan Folk Culture And Folk Tradition संप्रेषण कौशल्य : मुलाखत	4
		DSC	MRC 104	Communication Skill:Interview कविता : एक वाङ्मय प्रकार	4
		CC	MGC 102	Poem: A Form Of Literature प्रवासवर्णन : एक वाङ्मय प्रकार	4=
		GE	MRG 104	Travelogue:A Form Of Literature भाषांतर एक अभ्यास	4
		SEC	MRS 102	Study Of Translation बाचन कला	4
T.Y.	V	DSC	MRC 105	Reading Skill प्राचीन मराठी वाङ्मयाचा इतिहास (भाग १)	4
(under CBCS	v	DSE	MRD 103	History of Marathi Literature Part I प्रसार माध्यमासाठी लेखन कौशल्य	4
from 2017-18)	\ /I			Writing Skill of Media	4
	VI	DSC	MRC 108	प्राचीन मराठी वाङ्मयाचा इतिहास (भाग २) History Of Marathi Literature Part II	4
		DSE	MRD 105	एका लेखकाचा अभ्यास (बा.भ.बोरकर) Study Of Modern Marathi Author B.B.Borkar	4
				Study Of Modell Maratill Author B.B.BURA	4

#### **PHILOSOPHY**

Class	Semester	Paper	Paper Code	Paper Title	Credits
F.Y.	I	Major	PHI-100	Introduction to Philosophy	4
(under		Minor	PHI-111	Environmental Philosophy	4
NEP from		SEC	PHI-141	Introduction to Logic	3
2023-24)		VAC	VAC-103	Environmental Practices in Goa	2
	Ш	Major	PHI-100	Introduction to Philosophy	4
		Minor	PHI-111	Environmental Philosophy	4
		SEC	PHI-142	Practical Reasoning	3
S.Y.	III	DSC 1C	PIC 103	World Religions:Concepts and Practices-I	4
(under CBCS		GE3	PIG 103	Philosophy of Values-I	4
from		SEC	PIS 101	Practical Reasoning-I	4
2017-18)	IV	DSC 1D	PIC 104	World Religions:Concepts and Practices-II	4
		GE 4	PIG 104	Philosophy of Values-II	4
		SEC	PIS 102	Practical Reasoning-II	4
T.Y.	V	DSC 5	PIC 105	History of Ideas-I	4
(under CBCS		DSC 6	PIC 107	Philosophy of Mind-I	4
from		DSC 7	PIC 109	Inductive Logic	4
2017-18)		DSE 1	PID 101	Applied Ethics-I	4
		DSE 2	PID 103	Philosophy of Religion-I	4
		DSE 3	PID 105	Philosophy of Human Rights	4
	VI	DSC8	PIC 106	History of Ideas-II	4
		DSC9	PIC 108	Philosophy of Mind-II	4
		DSC 10	PIC 110	Deductive Logic	4
		DSE4	PID 102	Applied Ethics-II	4
		DSE5	PID 104	Philosophy of Religion-II	4
		DSP	PIP 101	Project work	4

#### **POLITICAL SCIENCE**

Class	Seme- ster	Paper	Paper Code	Paper Title	Credits
F.Y	1	Major	POL 100	Introduction to Political Theory	4
(under	·	Minor	POL-111	Basic Concepts in Political Science	4
NEP from		SEC	POL 141	Leadership Skills in Politics	3
2023-24)		VAC	VAC- 105	Constitutional Values and Obligations	2
	Ш	Major	POL 100	Introduction to Political Theory	4
	"	Minor	POL-111	Basic Concepts in Political Science	4
		SEC	POL 142	Introduction to Political Reporting	3
S.Y.	III	DSC	POC 103	Indian Constitution	4
(under		GE	POG 107	Introduction to Human Rights	4
CBCS from		SEC	POS 102	Introduction to Political Reporting	4
2017-18)	IV	DSC	POC 104	Constitutional and Social Issues in India	4
		GE	POG 108	Human Rights Movements in India	4
		SEC	POS 103	Public Opinion & Survey Research	4
T.Y.	V	DSC	POC 105	Western Political Thinkers (Plato to Locke)	4
(under		DSC	POC 107	Indian Political Thinkers	4
CBCS from				(Kautilya to Vivekananda)	
2017-18)		DSC	POC 109	Government & Politics of Goa	
				(Union Territory Phase 1961-1987)	4
		DSE	POD 101	International Relations	4
		DSE	POD 103	PublicAdministration	4
		DSE	POD 105	Comparative Government	4
	VI	DSC	POC 106	Western Political Thinkers	4
				(Rousseau to Marx)	
		DSC	POC 108	Indian Political Thinkers (Gandhi to Lohia)	4
		DSC	POC 110	Government & Politics of Goa	4
				(Post Statehood)	
		DSE	POD 102	India's Foreign Policy	4
		DSE	POD 104	Indian Administration	4
		DSE	UPOP	Projectwork	4

#### **PSYCHOLOGY**

Class	Semester	Paper	Paper Code	Paper Title	Credits
F.Y.	1	Major	PSY 100	Essentials of Psychology	3+1
(under NEP		Minor	PSY 111	Child Psychology	4
from		SEC	PSY 141	Personality Development	1+2
2023-24)	II	Major	PSY 100	Essentials of Psychology	3+1
		Minor	PSY 112	Child Psychology	4
		SEC	PSY 142	Stress Management	1+2
		VAC	VAC- 115	Health and Wellness	2
S.Y.	III	DSC	PSC 103	Social Psychology-I	3+1
(under CBCS		GE	PSG 103	Psychology of Gender and Identity	4
from		SEC	PSS 101	Stress Management	4
2017-18)	IV	DSC	PSC 104	Social Psychology-II	3+1
		SEC	PSS 102	Psychology and Life Adjustment	4
		GE	PSG 104	Psychology and Media	4
T.Y. (under CBCS	V	DSC	PSC 105	Understanding Psychological Disorders	4
		DSC	PSC 106	Psychological Testing	3+1
from		DSC	PSC 107	Positive Psychology	4
2017-18)		DSE	PSD 101	Statistics for Psychology	4
		DSE	PSD 102	Health Psychology	4
		DSE	PSD 104	Criminal Psychology	4
	VI	DSC	PSC 108	Human Resource Management	4
		DSC	PSC 109	Psychological Research	3+1
		DSC	PSC 110	Counselling Psychology	4
		DSE	PSD 105	Developmental Psychology	4
		DSE	PSD 106	Treatment of Psychological Disorders	4
		DSE	PSP	Project Work	4

# List of papers/courses offered at the B.Sc. Programme by various departments

## BACHELOR OF SCIENCE BOTANY

Class	Seme- ster	Paper	Paper Code	Paper Title	Credits
F.Y.(Under	ı	Major	BOT-100	Fundamentals of Botany	3 + 1
NEP		Minor	BOT-111	Plants in everyday life	4
From		SEC-1	BOT-141	Nursery and Gardening	1+2
2023-24)	II	Major	BOT-100	Fundamentals of Botany	3+1
		Minor	BOT-111	Plants in everyday life	4
		SEC-2	BOT-142	Fruits and Vegetable Processing	1+2
		Exit	BOT-161	Floriculture	1+3
S.Y.(Under	III	DSC	BOC 103	Plant Anatomy and Embryology	4+2
CBCS	III	SEC	BOS 101	Floriculture	3+1
From	IV	DSC	BOC 104	Plant Physiology	4+2
2017-18)	IV	SEC	BOS 102	Herbal Technology	3+1
T.Y.	V	DSC	BOC-105	Classical Taxonomy and Phylogeny	4+2
(under CBCS		DSC	BOC-106	Cell Biology and Plant Biochemistry	4+2
from		DSC	BOC-107	Microbiology and Plant Pathology	4+2
2017-18)		DSE	BOD-101	Plant Tissue culture	3+1
		DSE	BOD-103	Economic and Medicinal Botany	3+1
	VI	DSC	BOC-108	Cytogenetics and Plant Breeding	4+2
		DSC	BOC-109	Molecular Biology and Genetic	4+2
				Engineering	
		DSC	BOC-110	Plant Ecology and Phytogeography	4+2
		DSE	BOD-104	Biofertilizers	3+1
		DSP	BOP-101	Project Work	4

## **CHEMISTRY**

Class	Seme-	Paper	Paper	PaperTitle	Credits
	ster		Code		
F.Y.(Under	ı	Major	CHC-100	Fundamentals of Chemistry	3+1
NEP		Minor	CHC-111	Basic Concepts in Chemistry	4
From		SEC-1	CHC-141	Water and Soil Analysis	1+2
2023-24)	II	Major	CHC-100	Fundamentals of Chemistry	3 + 1
		Minor	CHC-111	Basic Concepts in Chemistry	4
		SEC-3	CHC-143	Chemistry of Cosmetics and Perfumes	1+2
S.Y(Under	III	DSC	CHC-103	Section A: Physical Chemistry	4+2
CBCS				Section B: Organic Chemistry	
From	III	SEC	CHS-101	Natural Resources and Analysis	3+1
2017-18)	IV	DSC	CHC-104	Section A: Physical Chemistry	4+2
				Section B: Inorganic Chemistry	
	IV	SEC	CHS-102	Chemistry of Cosmetics and Perfumes.	3+1
T.Y	V	DSC5	CHC 105	Physical Chemistry	4+2
(under CBCS		DSC6	CHC 106	Inorganic Chemistry	4+2
from		DSC7	CHC 107	Organic Chemistry	4+2
2017-18)		DSE1	CHD 101	Basic Topics in Analytical Chemistry	3+1
		DSE2	CHD 102	Green Methods and Safety	
				Aspects in Chemistry	4
	VI	DSC8	CHC 108	Physical Chemistry	4+2
		DSC9	CHC 109	Inorganic Chemistry	4+2
		DSC10	CHC 110	Organic Chemistry	4+2
		DSE3	CHD 103	Selected Instrumentation in Chemistry	4
		DSE4	CHP 101	Project DSP	4

## **COMPUTER SCIENCE**

Class	Seme-	Paper	Paper	Paper Title Paper Title	Credits
	ster		Code		
F.Y.	I	Major	CSC-100	Introduction to Computational Thinking	
(under NEP		-		and Programming	3 + 1
from		Minor	CSC-112	Computer Software Fundamentals	4
2023-24)		SEC	CSC-142	Multimedia and Web Design	1+2
	II	Major	CSC-101	Computer Organization	3 + 1
		Minor	CSC-114	Social media Marketing	4
		SEC	CSC-146	Basics of Python Programming	1+2
		VAC	VAC-111	Awareness of Cyber Crimes and Security	2
S.Y.	Ш	DSC	CSC103	Database Management System	4+2
(under CBCS	III	SEC	CSS103	Programming in Python	3+1
from	IV	DSC	CSC104	Computer Organization and	
2017-18)				Operating Systems	4+2
	IV	SEC	CSS104	Web Application Development using flask	3+1
T.Y.	V	DSC	CSC105	Computer Networks	4+2
(under CBCS		DSC	CSC106	Object Oriented Programming	4+2
from		DSC	CSC107	Software Engineering	4+2
2017-18)		DSE	CSD101	Human Computer Interaction	3+1
		DSE	CSD104	Embedded Systems	3+1
	VI	DSC	CSC108	Mobile Application Development	4+2
		DSC	CSC109	Full Stack Web Development	4+2
		DSC	CSC110	Internet of Things	4+2
		DSE	CSD107	Introduction to Data Analytics	3+1
		DSP	CSP101	Project	4

## **GEOLOGY**

Class	Seme-	Paper	Paper	Paper Title Paper Title	Credits
	ster		Code		
F,Y.	I	Major	GEO-100	Introduction to Mineralogy and Petrology	3+1
(under NEP		Minor	GEO-111	Introduction to Geology	4
from		SEC-1	GEO-141	Remote Sensing and Drone Photography	1+2
2023-24)	ll ll	Major	GEO-100	Introduction to Mineralogy and Petrology	3 + 1
		Minor	GEO-111	Introduction to Geology	4
		SEC-2	GEO-142	Water Quality Assessment	1+2
S.Y.	III	DSC	GEC-103	Earth's Dynamics & Structural Geology	4+2
(under	III	SEC	GES-101	Basics of Remote Sensing	3+1
CBCS from	IV	DSC	GEC-104	Principles of Stratigraphy &	
2017-18)				Palaeontology	4+2
	IV	SEC	GES-102	Water Quality Assessment	3+1
T.Y.	V	DSC	GEC105	Mineralogy	4+2
(under		DSC	GEC106	Structural Geology	4+2
CBCS from		DSC	GEC107	Igneous Petrology	4+2
2017-18)	VI	DSC	GEC108	Sedimentary Petrology	4+2
		DSC	GEC109	Metamorphic Petrology	4+2
		DSC	GEC110	Indian Stratigraphy	4+2
	V	DSE	GED101	Engineering Geology	3+1
		DSE	GED102	Economic Geology	3+1
	VI	DSE	GED103	Mining Geology	3+1
		DSE	GED 104	Project	4

## **MATHEMATICS**

Class	Seme- ster	Paper	Paper Code	PaperTitle	Credits
F.Y.	I	Major	MAT-100	Foundational Mathematics	4
(under		Minor	MAT-111	Elementary Mathematics	4
NEP from		SEC-1	MAT-141	Numerical Analysis using Python/ SageMath	1+2
2023-24)		VAC	VAC-108	NCC and Nation Building (Navy)	2
	l II	Major	MAT-100	Foundational Mathematics	4
		Minor	MAT-112	Elementary Statistics	4
		SEC	MAT-142	Statistical Methods using R/SPSS/PSPP	1+2
S.Y.	III	DSC	MTC 103	Ordinary Differential Equations and	
(under				Discrete Mathematics	4+2
CBCS from		SEC	MTS 101	Statistical Methods	3+1
2017-18)	IV	DSC	MTC 104	Analysis and Operation Research	4+2
		SEC	MTS 102	Analytical Geometry	3+1
T.Y.	V	DSC	MTC 105	Algebra	6
(under CBCS		DSC	MTC 106	Analysis II	6
		DSC	MTC 107	Calculas of 2 And 3 Variable	6
from 2017-18)		DSE	MTE 101	Foundation of Mathematics	4
2017 10)		DSE	MTE 102	Combinatorics	4
	VI	DSC	MTC 108	Differential Equations - II	6
		DSC	MTC 109	Complex Analysis	6
		DSC	MTC 110	Metric Spaces	6
		DSE	MTE 103	Number Theory	4
		DSP	MTP 101	Project	4

## **PHYSICS**

Class	Seme- ster	Paper	Paper Code	PaperTitle	Credits
	3101		Code		
F.Y.	I	Major	PHY-100	Foundations of Physics	3+1
(under		Minor	PHY-111	Everyday Physics	4
NEP from		SEC	PHY-141	Basic Experimental Techniques	1+2
2023-24)	II	Major	PHY-100	Foundations of Physics	3+1
		Minor	PHY-111	Everyday Physics	4
		SEC	PHY-144	PCB Designing	1+2
S.Y.	Ш	DSC	PYC-103	Section 1: Waves & Oscillations	2+1
(under CBCS				Section 2: Electronics	2+1
from	Ш	SEC	PYS-101	Network Analysis	3+1
2017-18)	IV	DSC	PYC-104	Section 1: Optics	2+1
				Section 2: Modern Physics	2+1
	IV	SEC	PYS-105	Electrical and Electronics Instrumentation	3+1
T.Y.	V	DSC	PYC105	Section 1: Classical Mechanics	2+1
(under				Section 2: Thermal Physics	2+1
CBCS from		DSC	PYC106	Analog & Digital Electronics	4+2
2017-18)		DSC	PYC107	Mathematical Physics &	
,				Electromagnetic theory I	4+2
		DSE	PYD101	Quantum Mechanics	4
		DSE	PYD107	Solid State Physics	3+1
	VI	DSC	PYC108	Atomic & Molecular Physics	4+2
		DSC	PYC109	Solid state Devices and Instrumentation	4+2
		DSC	PYC110	Electromagnetic theory II	
				and Special Theory of Relativity	4+2
		DSE	PYD106	Nuclear Physics	4
		DSE	PYD109	Project	4

## ZOOLOGY

Class	Seme- ster	Paper	Paper Code	Paper Title	Credits
F.Y. (under NEP from 2023-24)	I	Major Minor SEC VAC VAC Major Minor SEC	ZOO-100 ZOO-111 ZOO-141 VAC-101 VAC-107 ZOO-100 ZOO-111 ZOO-143	Amazing World of Animals Understanding Applications of Zoology Skills for Zoologists Environmental Studies 1 NCC and Nation Building (Army) Amazing World of Animals Understanding Applications of Zoology Aquarium Fish Keeping	3+1 4 1+2 2 2 3+1 4 1+2
S.Y. (under CBCS from 2017-18) T.Y. (under CBCS from 2017-18)	III III IV	Exit DSC SEC DSC	ZOC 103 ZOS 101 ZOC 104	Dairy Technology  Anatomy of animal body system  Aquarium fish keeping	1+3 4+2 3+1 4+2
	IV IV V	SEC DSC DSC	ZOS 102 ZOC 105 ZOC 106	Animal Physiology and Biochemistry Wildlife and Eco tourism Endocrinology Biochemistry and metabolic processes	3+1 4+2 4+2 4+2
	VI	DSC DSE DSE DSC	ZOC 107 ZOD 102 ZOD 103 ZOC 108	Molecular biology and Evolution Applied Zoology Fish and Fisheries Developmental Biology	3+1 3+1 4+2
		DSC DSC DSE DSP	ZOC 109 ZOC 110 ZOD 104 ZOP 101	Environmental Biology and Toxicology Parasitology Animal Biotechnology Project Work	4+2 4+2 3+1 4

#### **PROFILE AND SCOPE: ARTS DEPARTMENTS**

## I)Department of Economics



The Department of Economics was set up in the year 1962 having entire major Economics subject. The vision of the Department is to make students competitive and resourceful in the changing modern economy.

The mission is to empower students in learning and application of the economic concepts, economic policies, decision-making, and learning by doing through project work, e-learning, flipped learning and field visits.

The strength of the Department is that the faculty is well- qualified, experienced, and approachable in the student-teacher learning process. The Department conducts conferences, seminars, workshops to give the students a better edge in their future endeavours.

The Department has Smithsonian Club and has successfully organized an entrepreneurial exhibition-cum-sale titled 'A Thousand Shades of Talent' for 4 consecutive years, which focuses on helping students learn entrepreneurial skills, field trips, boot camps etc., motivate the students to participate in intercollegiate activities by guiding them.

The Department offers the following papers: - Microeconomics, Macroeconomics, Entrepreneurship Development, Public Finance, Research Methodology, International Economics, Environmental Economics, Contemporary Indian Economy, Growth & Development, Labour Welfare and Industrial Relations, Financial Economics etc. The Department also offer skill development programmes like Basic Statistics and Econometrics.

#### Scope of Economics

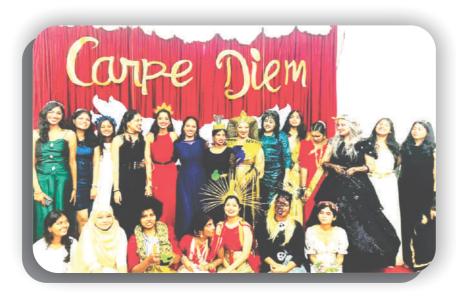
The study of Economics provides a good opportunity to gain an edge in today's rapidly globalized world. In recent years, there has been a great demand for economic analysts, researchers and consultants as they are well-equipped and trained to effectively handle the increasing complexities of a rapidly globalizing and competitive society. It is precisely against this backdrop that the study of economics opens up the doors of a wide variety of the most sought-after career options.

#### **Career Options**

Teaching, Indian Economic Service (IES) Economist, Economic Advisor, as Econometric Executives in MNCs, export import houses, officers in R.B.L, staff selection exams, CAT, CMAT exams, Entrepreneurs, Banking and Accounts.

After successfully acquiring an undergraduate degree in Economics, one could either choose a career in economics journalism, economic and financial research, banking and finance, sale, marketing etc. They can also appear for competitive exams such as the civil service, economic statistical service. Alternatively, with a view to enhance career prospects, one may choose to pursue further studies in some related field such as environmental economics, demography, business economics, insurance, actuarial science, risk management, finance, business administration and management, international marketing and global business operations.

## II)Department of English



"There is more treasure in books than in all the pirate's loot on Treasure Island" - Walt Disney.

Reading and more reading, critically appreciating, writing, reciting, storytelling are some of the games played in the Department of English. One of the premier departments of Dhempe College, the Department of English has an enterprising team of teachers whose aim is to make the learning of English language and literature a meaningful experience.

While imparting syllabi recommended by Goa University that ranges from popular literature to criticism, the Department also hosts a variety of clubs and associations to enrich the student experience. Communications Club, Literary Association and Movie Club offer students a chance to explore their talents and add-on to their knowledge.

The institution has established a digital language laboratory and skill development centre to enhance and advance the language proficiency of students of the institution as well as of the state of Goa.

The Department keeps itself updated with the latest technological advancements to assist the teaching-learning process. It also has a

departmental library besides the already existing collection of books in the College Library.

Literature students organize 'Carpe Diem'- an initiation programme-cum-literary festival which is an annual feature. The department also organises an annual performance poetry event titled 'Voice it Out' In addition, it conducts the 'Bridging the Gap' series to acquaint students with various employment opportunities available after graduation. Our students participate in intercollegiate literary festivals for maximum exposure. Students also receive training in academic writing and research.

#### Scope of English Language and Literature

The power and reach of the Global Language English is indisputable. Mastery over the language ensures that doors open up in all arenas in India and overseas. A student pursuing graduation in English literature is most equipped for the following careers:

Journalism- print/radio/television/online Teaching in schools, colleges and universities/ trainers for competitive examinations / English coaches for foreign learners. Advertising as copywriters Call centres Lexicography writing - fictional, scientific, script writing etc. Translation / interpretation Hospitality industry Radio Jockeying, Video Jockeying Medical transcription Public relations Content writing Blogging.

Most of these options are available in the state of Goa and the above mentioned industries are on the lookout for good candidates.

## III)Department of History



The Department was established in 1964. The curriculum prescribed by the Goa University is taught at the undergraduate level. In addition, the staff members conduct a variety of activities for students like workshops, talks by renowned scholars, educational trips to historical sites, museums etc.

Heritage walks, heritage trails, presentations on history and heritage of Goa are regularly conducted, such as the Kushawati Heritage Trail, Old Goa Heritage Walk, Miramar - Dona Paula Heritage Walk, Mhadei Heritage Walk, Reis Magos fort Heritage Walk.

Pursuit of knowledge has involved our faculty in research and publications on Goan history. The History-History Forum organizes a number of activities like study tours, talks, quizzes, heritage walks, trails, skits on history, etc. in order to enhance the knowledge of the students.

Our students have excelled in academics and extra-curricular activities. They have won accolades at various state level competitions. Our alumni are gainfully employed in various sectors of administration, education, tourism, archives and archaeology department, teaching, etc. The Department possesses a rich collection of books and journals. We have adopted the historic heritage Fort of Juvem (St. Estevam Island).

#### **Scope of History**

History enlightens a student of his/her past culture, heritage and civilization. Its scope includes jobs in teaching, competitive examinations, archaeology departments, museums, archive departments, hospitality industry, travel and tourism, art and culture departments. History is a subject taught at all levels - primary, secondary, higher secondary, colleges and university. Hence a student who has graduated or post graduated in history can take up a teaching position at any of these levels.

## IV) Department of Indian Languages



Language is the core of one's expressive self. More the knowledge of languages, better is the communication. In our College, we offer three languages: Konkani, Hindi and Marathi at the T.Y.B.A. Level. Student can opt for Honours programme in Konkani at the TY.B.A. level.

In Goa, the state language Konkani, which is also the mother tongue, has a huge market, be it in government jobs, press, etc. Knowledge of Konkani is compulsory today in any government office in Goa. Hindi is our national language. It binds us throughout India. Knowledge of Hindi enhances our acceptability in the job market all over the country.

Marathi is essential again in print, media and other language oriented careers. Concisely, the Indian Language Department is fundamental in any academic institute. In our College we have the Bharatiya Bhasha Mandal (Indian Literary Association) under whose auspices we organize many cultural and academic programmes. Scope of Indian Languages

The National Education Policy (NEP) 2020 has advocated that "Wherever possible the medium of instruction until at least Grade 5, but preferably till Grade 8 and beyond, will be the home language / mother tongue / local language / regional language" for both public and private schools.

A student opting for Indian Languages namely Hindi, Marathi, and Konkani in our College has a wide scope and one graduating in these languages can choose from a variety of careers:

- > Noble profession of teaching from KG to PG level.
- > Engage private coaching classes /tuition.
- > Journalism, print as well as electronic media.
- > Radio Jockey.
- > Creative Freelancing/columnist.
- > Creative writing as well as translation.
- > Projects from National Book Trust, Sahitya Akademi, Delhi can be availed of in the areas of children literature, translation, etc.
- > Designing of advertisement and brochures.
- > Projects of lexicography (dictionary, vocabulary).

## V) Department of Philosophy



## अयं निज परोवेति, गडना लघु चेतसाम। उदार चरितानाम तु, वसुधैव कुटुम्बकम।।

Ayam nija paroveti, Gadna laghu chetsaam | Udaar chantanam tu, vasudhaiv kutumbkam |

Which means:

"This is mine, that is yours; This kind of calculation is done by narrow-minded people. For broad-minded and liberalist this whole world is like a family."

Philosophy - the love of wisdom, the science of knowledge and the bedrock of ethics. Philosophy - the discipline of sublime thought and logical thinking, is not merely a system of thought but a way of life which enthuse you to think higher, to respond better and choose to live responsibly.

We, at the Department of Philosophy, as one of the founding departments of DCT's Dhempe College of Arts & Science, welcome you to be a part of our journey of learning and growing into better humans. Empowered with the heart of Indian ethos – Vasudaiva Kutumbakam – the world as one family – and fused with the legacy of the west to seek the truth and to perfect knowledge, the department exposes students to a methodical, balanced and an integrated world view.

Ethics, values, logical reasoning, epistemology, and religions are among the foundational tenets of Indian and Western philosophy. Responding to the needs of our times we offer courses such as Moral Philosophy, Environmental Ethics, World Religions: Concepts and Practices, Practical Reasoning, Philosophy of Values, History of Ideas and Applied Ethics.

## Scope of Philosophy

Philosophy as the mother of all disciplines, provides a student with foundational knowledge of a range of social sciences, and equips one with

the skills of critical thinking, genuine pursuit of knowledge and a desire to promote harmony and service in the society.

The course on Bachelors of Philosophy enables one to seek admissions into any social science program at the Masters level, and other fields such as Law, Tourism, Banks, Social Work and Philosophical councelling.

This course gives one an added advantage to the student as he/she is trained to think in terms of conceptual frameworks and critical thinking skills, necessary for entrance exams and other competitive exams such as UPSC, GPSC, NET-JRF/SET, Banking exams and others.

Furthermore, if the student pursues the course on Masters of Philosophy, they are then eligible to join the teaching profession, enroll in full-time research scholars and register for courses on Philosophical Counselling, Management (MBA), M.Phil and Ph.D.

#### The Philosophy Association

The brain-child of the Department of Philosophy - The Philosophy Association - aims at achieving institutional goals and values such as inclusiveness, camaraderie and overall development of the student. The Association embodies these goals through its field-based learning, debates, discussions on current issues, student seminars/webinars, visits to religious places of worship, slogan competitions and social awareness based rallies. To develop skills of entrepreneurship and promote dignity of labor, the Association organizes its Annual Food Festival featuring local and home-made food.

The Association also inculcates social and environmental responsibility through its extension and outreach programs such as visits to old-age homes, Langar Seva at Gurudwara orphanages and home for palliative care. In collaboration with the NGO Uzwaad - The Rays of Hope, the Association creates awareness on various social and environmental issues such as garbage issues, promoting sustainable environment,

fighting substance abuse and addiction, Human Rights awareness campaigns, women empowerment, suicide prevention and use and abuse of face masks during the Covid-19 pandemic. The Association welcomes students from all departments to join and participate in these activities and grow into empowered and socially responsible human beings.

## VI) Department of Political Science



The Department of Political Science became a full-fledged department in 2006 and 6 papers at T.Y.B.A. was introduced from 2005-2006 culminated to Honours Degree from 2019-2020 with total of 24 credits. The department has Political Science Forum that conducts programme allowing students to take a lead. The participation in Youth Parliament is a yearly activity. Our department has set a remarkable trend of achieving excellent results at T.Y.B.A. level over the past years.

The vision of the department is in line with our college. We envision:

- > To inculcate aspiration among students towards civil services IAS/GPSC etc.
- > To develop contemporary global perspective in discipline.
- > To amalgamate with creativity for better employability.
- > To develop a mind-set for higher education and research.
- > To undertake curricular, co-curricular and extra-curricular activities.

#### Scope of Political Science

A student with Political Science (Honours) opens up grounds for higher studies to Post Graduation, Mass Media/ Journalism, Law, Research, Public Policy, Rural Development and many more. There are various avenues apart from general job opportunity. The subject forms a major part of some of the coveted All India Competitive Examinations – Union Public Service Commission (UPSC), Goa Public Service Commission (GPSC).

Any student with acumen could rise as a Political Analysts, Political Advisors to MPs/MLAs.

## VII) Department of Psychology



The Department of Psychology, offers Honours Programme in Psychology at the T.Y.B.A. After graduation, some of our students enter the world of work while others continue their studies often pursuing M.A. in Psychology, LLB, or B.Ed. At Dhempe College, we strive for academic excellence. Our lecturers participate in curriculum design, examination work and have served as member of Board of Studies in Psychology. Our faculty members have conducted workshops, presented papers at International and National Conferences, and have published papers in peer–reviewed and scopus indexed journals. The Department has a fully equipped laboratory. The library has a wide selection of books in Psychology. Practicals are included in the curriculum at F.Y.B.A., S.Y.B.A. and

T.Y.B.A. to introduce students to laboratory experimentation and Pchycological tests to illustrate theoretical concepts.

The vision of the Department is three -fold:

- Expose students to the world of work and recent developments in Psychology through field trips, guest lectures, and various activities.
- > Develop professional skills through workshops and certificate courses.
- As part of the policy of inclusion, we interact with the differently abled through visits, student volunteers, and host Christmas parties, as well as sale of vocational products.

#### **Scope of Psychology**

Study of Psychology leads to an understanding of human behaviour and mental processes, which is increasingly important in our everyday lives as well as in a wide variety of careers.

People holding a Bachelors Degree in Psychology will find jobs assisting psychologists in mental health centres, rehabilitation facilities, and correctional centres, in personnel departments dealing with employees and as research assistants.

Those with Masters or Doctoral degrees can join as faculty members in college and universities (teaching/ research /counseling). Others work in health, industrial and commercial settings.

Psychologists work as therapists, specializing in diagnosis and treatment or as counselors (educational, vocational, and personal).

There are many additional fields of Psychology i.e. Developmental, Neuro-Biological, Social, Educational, Industrial, Experimental, Environmental, Health Cognitive, Forensic, Criminal, and Positive Psychology, etc. New fields are being added as the importance of Psychology in various fields is being realized.

#### PROFILE AND SCOPE: SCIENCE DEPARTMENTS

#### I) Department of Botany



The Department came into existence along with the establishment of Dhempe College, in the year 1962. Since then, it is in the forefront in every sphere of activity, be it academics, research, extension services and extracurricular activities. The department conducts various skill development courses such as "Techniques in fruit preservation", "Skill in Gardening" and "Application of Fungi in food, Biofertilizers and Bio-control agents". The Department has completed two major research projects funded by the Department of Environment and Forest, Government of India and one major project from the Department of Science and Technology, New Delhi. Faculty members have presented and published several research papers in national and international conferences and journals respectively. The departmental library has a good collection of books.

The faculty are members of professional bodies such as Mycological Society of India, East Himalayan Society for Spermotophyte Taxonomy, Board of Studies in Botany, Goa University, Founder Members of Botanical Society of Goa and Mangrove Society of Goa.

The Department holds a record of extending their services as NCC Officers, NSS Programme Co-ordinator, IGNOU Assistant Coordinator and chairpersons of examination committee. Presently the faculty are active members of Unnat Bharat Abhiyan Outreach activities, IQAC, Grievance Committee, Unfair Means Committee, IIC, Journal publication, Placement Cell, Green House and Garden Development. They also participate in extension services such as Radio and TV programmes and conduct environment related programmes.

Other institutions such as Goa University, IGNOU and Goa Pharmacy College utilize the expertise of our faculty. Our faculty have contributed to DISHTAVO- a project by Directorate of Higher Education for online teaching in way of being coordinators. Marching towards NEP 2020, the faculty has developed e-content in regional language.

The Department has been organizing various talks related to the subject of Botany such as 'Plant Diversity of Goa' 'Nanotechnology for tomorrow', 'Ethnobotany of Matoli', 'Marine Algae-a potential source of human nutrition' etc.

The Department has organized exhibition of "Wild Vegetables and Fruits" to acquaint the students with the lesser known vegetables and fruits. To celebrate the year of Millets an exhibition of Millets was organized during this academic year.

The teachers regularly attend state, national and international level seminars, workshops and conferences to update their knowledge.

## Scope of Botany

Botany is the mother of all applied plant sciences such as agriculture, horticulture, forestry, plant biotechnology, etc. India is one of the mega biodiversity centres of the world. Thus botany as a subject has greater role to play along with applied plant sciences.

Its importance in ayurveda and homeopathy is also well known. It is also concerned with economy of the country with regards to areas such as agriculture, horticulture and floriculture.

Plant diversity holds a key to the future of food security, medicine and various other economic areas. The role of botanists in patenting several plants and plant resources is increasing.

The students will thus be introduced to a wide range of topics at the undergraduate level and will be well equipped to take up higher studies in Botany, Biotechnology, Marine Sciences and Environmental Sciences. They can be employed in the research institutes of CSIR, such as NIO, CFTRI, CLI, NBRI and ICAR-CCARI, BSI, pharmaceutical industries and biotechnology laboratories depending on their specialization and caliber. Goa being a tourist centre, has great scope for ecotourism, horticulture, floriculture and landscaping. With minimum training, botany students can become horticulturists, floriculturists and landscapists. Many botany students are working in NIO and Goa University as research assistants. Some are working as horticulturists in five star hotels. They are also able to take up teaching positions at various levels of education.

## II) Department of Chemistry



The Department of Chemistry started an M.Sc. programme in Analytical Chemistry in the academic year 2018–2019. The programme is affiliated to Goa University and follows the syllabus designed by the University. Visiting faculty for lectures are staff members of the UG programme, teachers from Goa University and experts from the industry. Students trained under this programme have scope for employment in areas like research and development and as analytical chemists, quality controllers etc. in pharmaceutical, chemical manufacture, agrochemical, petrochemical, environmental and mining industries.

The Department has a very active and dynamic club, the Chromophore club. The aim of this club is overall development of the students. Teachers under this club conduct various activities like industrial visits, heritage tours, guest lectures, essay competitions, project presentation, poster competition, rangoli competition and quizzes. The club also comes out with a bulletin "Chromophore" highlighting the activities of the club and recent trends in chemistry.

The research cell of the Department has 6 minor and 1 major research project to its credit. The staff of the Chemistry Department are active participants in a number of seminars, workshops and conferences during the academic year. The Department of Chemistry has a number of successfully placed students over the years in the fields of industry, teaching and research.

Every year the Department offers two value addition courses:

- 1. Analytical Tools in association with NIO and
- 2. Microbiological and physico-chemical determination of parameters in drinking water.

#### **Scope of Chemistry**

A student who opts for chemistry as the major subject at the T.Y.B.Sc. level has tremendous scope for future career advancement. There are various avenues available in pharmaceutical industries and analytical companies as well as in research. Nowadays, there is a demand for chemistry graduates in pharmaceutical industries which are catering to the health needs of millions of people all over the world. Industries dealing in chemicals, rubber, steel, plastics, etc. all require chemistry graduates. As far as research is concerned, chemistry finds a place in oceanic, biological as well as chemical research. For post graduate students, the Department of Chemistry also offers a comprehensive course on instrumentation and analytical techniques, namely, "Industrial and Analytical Techniques", which opens up employment opportunities for students in pharmaceutical as well as chemical industries. In conclusion, the scope of chemistry is unlimited in all walks of life.

The Department of Chemistry has started M.Sc. programme in Analytical Chemistry since the academic year 2018–19. The programme is affiliated to Goa University and follows the syllabus as designed by the University. Resource persons for lectures are staff members of UG programme, as well as teachers from Goa University, experts from the industry and guest lecturers. Students trained under this programme have scope for employment in areas like research and development, 'as materials technologists', analytical chemists, quality controller, etc. in pharmaceutical, chemical manufacture, agrochemical, petrochemical, environmental and mining industries.

#### III) Department of Computer Science



The Department of Computer Science was set up in the year 2000. The Department has competent infrastructure that includes Linux Laboratories with 40 computers. Along with the regular course, the department also conducts short term courses.

The Department conducts Spoken Tutorial Program by IIT Bombay for staff and students to learn Open Source Softwares for free. The program consists of a 2 hour session during which the participants listen to the audio visual tutorials provided by IIT Bombay.

The sessions are monitored by IIT Bombay team over Skype. IIT Bombay certificates are awarded to the participants clearing an online test on the topic. With its active participation in promoting the use of free softwares among staff and students, Dhempe College of Arts and Science is now a North Goa RESOURCE (Robust Extension for Spoken Tutorials project on Open Source Software Usage for Recruitment, Community and Education) Centre for promoting Spoken Tutorial Program.

The students visits IT companies in Goa as a part of their Industrial visit program.

The Department has a library for students' reference work.

#### Scope of Computer Science

Computer Science is an evergreen field and jobs will always be in plenty. Computer science (or computing science) is the study and the science of the theoretical foundations of the information and computation, and their implementation and application in computer systems. Computer science has many sub-fields; some emphasize the computation of specific results (such as computer graphics), while other relate to properties of computational problems (such as computational complexity theory). Still others focus on the challenges in implementing computations, while computer programming applies specific programming languages to solve specific computational problems. A further subfield, human computer interaction, focuses on the challenges in making computers and computations useful, usable and universally accessible to people.

Computer science (CS) spans from theory through programming to cutting-edge development of computing solutions. Computer science offers a foundation that permits graduates to adapt to new technologies and new ideas.

The work of computer scientists falls into three categories:

- a) Designing and building software
- b) Developing effective ways to solve computing problems, such as storing information in databases, sending data over networks or providing new approaches to security problems.
- c) Devising new and better ways of using computers and addressing particular challenges in areas such as robotics, computer vision or digital forensics (although these specializations are not available in all computer science programs). Most computer science programs require some mathematical background.

## IV) Department of Geology



The Department of Geology was established in June 1963 and was the first of its kind in the state of Goa.

The Department offers a B.Sc. degree in Geology (Honours) and also conducts a value added course in 'Fundamentals of Geographic Information System (GIS)'. Teaching in Geology is not confined only to the four walls of the classroom as the students are also trained in the field by conducting geological fieldwork at various places of geological interest in the state of Goa as well as in the other states of India. The geological field work is a mandatory component of the curriculum.

The Department has a well-equipped laboratory and houses a 'Geological Museum' with a massive collection of rocks, minerals and fossil specimens. There is also a department library which has a wide collection of reference books donated by retired faculty members of the department, alumni and well-wishers.

The Department is also the headquarters for the "Geological Society of Goa", a state level association of Geologists.

The Department conducts various workshops, seminar, conferences and guest lectures in order to disseminate latest geological

knowledge and give an opportunity to the students to interact with scientists, academicians and industry professionals. Several Personality Enhancement Programs (PEP) as well as geological competitions are organized to develop the all-round personality of the students.

The Alumni of the Department have instituted a Gold medal in the honor of Late Shri. F. B. Antao, which is awarded annually to the student securing the highest marks in M.Sc. Geology Examination at the Goa University. An endowment scholarship has been instituted in the college for the student securing the highest marks in B.Sc. Geology. Shri. A. G. Agshikar has instituted a scholarship in the memory of his late parents which is awarded to the student scoring highest marks in Geology in the Second Year of B.Sc. and opting Geology as the major subject at Third Year B.Sc.

#### Opportunities & Career in Geology

Geology is the study of the Earth. It deals with the materials, processes, systems and resources of the Earth. It is the core discipline of Earth Science and is used in the exploration of minerals, metals and energy resources. A career in Geology is both exciting and demanding. The subject offers job opportunities in various important fields such as Oil explorations and production, Mining Industry, Hydrogeology, Seismology, Volcanology, Marine Geology, Structural Geology and Remote Sensing.

After successful completion of B.Sc. in Geology a student can pursue higher education like M.Sc. (offered at the Goa University and several other Universities in India and abroad) and M.Tech. (at IIT) or opt for specialized courses like Petroleum Geology (Pune), Mining Geology (Dhanbad), Gemology (at Mumbai or Jaipur), Remote Sensing (at Dehradun), etc.

Government agencies such as Geological Survey of India (GSI) and Central Ground Water Board (CGWB) are the largest employers of Geologists in India. In addition to being employed in GSI, Directorate of Mines and Geology, Goa and Goa State Pollution Control Board (GSPCB), our students are also employed in leading Oil producing Multi-National Companies such as Schlumberger, Shell, Baker-Hughes, Reliance, ONGC, etc. while others have joined leading mining companies like Vedanta, Sesa Goa, Salgaocars, Chowgules, Dempos, NMDC, CIL, etc. Many are also working in renowned research institutions like National Institute of Oceanography, Department of Science, Technology and Environment (DSTE), National Center for Polar Oceanic Research and yet others have joined the teaching profession.

Our students are employed in leading oil producing Multinational Companies such as Oil Field Instrumentation, Cyratron, Schlumberger, Shell, Baker-Hughes, Reliance, ONGC, NCPOR etc, while others have joined leading mining companies like Vedanta, Salgaocars, Fomento, National Mineral development Corporation, Coal India Ltd., etc. A few are working at research institutions like NIO, DST&E, NCPOR and others have joined the teaching profession.

## V) Department of Mathematics



The College offers Mathematics at F.Y.B.Sc and S.Y.B.Sc for the PCM and Computer Science students. The Department offers 6 units in Mathematics, at the T.Y.B.Sc.

A number of students have been successfully placed over the years. We also encourage the students to attend the MTTS (Mathematics Training and Talent Search Programme), funded by the National Board for Higher Mathematics. The faculty coach the S.Y.B.Sc. students to appear for the "Madhava Competition", a national competition in Mathematics which is organized by the Department of Mathematics, S.P. College, Pune and Homi Bhaba Centre for Science Education, T.I.F.R. Mumbai and funded by National Board for Higher Mathematics (NBHM).

The T.Y.B.Sc. students are trained in 'LATEX', a mathematical typesetting software, so as to enable the students to type mathematics.

The practicals are conducted for the mathematics students using mathematical softwares like Python, 'R', Geogebra and Sage.

## Scope of Mathematics

The modern higher level study of mathematics involves considerable interdisciplinary work and this trend has crystallized and has

become more pronounced over the last two decades or so. Mathematics is perhaps the only subject without which the study of all empirical sciences and many social sciences remains incomplete. No matter which branch of science one deals with, one is expected to have a reasonable knowledge of Linear Algebra, Linear Programming, Numerical Methods, Differential Equations and Optimisation Techniques.

All these subjects are essential ingredients of the core courses taught in Mathematics at F.Y.B.Sc. and S.Y.B.Sc. levels. This study is further augmented with practicals to sharpen the skills of the students and to give them confidence to tackle problems in actual industrial/commercial situations. Practicals in Mathematics are conducted using free mathematical softwares. The knowledge of these branches of Mathematics also gives a student better career options and possibility of further studies, such as M.C.A., M.B.A., M.M.S., M.Sc. (Math), M.Sc. (Stat.) courses and also other professional post-graduate course. The study of Mathematics makes a student methodical, logical and systematic, besides helping him/her to increase efficiency and comprehension levels. All these acquired skills also prepares a student for competitive examinations where a majority of the questions test mental ability, logical reasoning and numerical ability, through objective questions.

#### VI) Department of Physics



This is one of the oldest departments, started with the inception of the College in 1962. It is involved in undergraduate education in physics initially under the affiliation to Bombay University and presently holds a permanent affiliation with Goa University. The Department has tie ups with Association of Friends of Astronomy, Goa, National Centre for Antartic and Ocean Research to facilitate student related project activities. The Department is well-known for the academic profiles of its faculty members and achievements of its students.

#### Infrastructure available in the Department:

- > The Physics UG lab has dark room facility for optics related experiments
- > Audio visual aids, charts, models, LCD projector.
- Electronic Test Equipments CRO's, Signal Generators, analog and digital meters, crystal oscillator, Frank Hertz instrument, Michelson interferometer, etc.
- > Tool kits, Circuit boards, Bread boards etc.

#### **Objectives**

- > To develop keen interest in the subject of physics and to motivate students to pursue higher studies.
- > To contribute towards the popularization of physics.
- > To start new skill enhancement courses which will help student to gain employability skills.

#### Scope of Physics

Physics is a highly fascinating and intellectually demanding subject. The scope of the subject is so vast that the subject has grown into many dimensions. The basic principles of physics lay the foundation stones for all physical and engineering sciences and there is tremendous scope for their application in all walks of life and in day to day activities. Engineering science and technologies have evolved from the expanding frontiers of physics. The knowledge of this subject offers opportunities for research in the frontier areas of physical and engineering sciences and also the biological sciences. Graduates of physics are well–oriented to use logical reasoning to tackle any issue they encounter in any walk of life. They are therefore well–suited for any type of employment which requires logical reasoning ability and action oriented approach. There are ample opportunities to pursue higher studies leading to master degrees in physics, electronics, computer science and engineering, environmental science, geophysics, biophysics, instrumentation, operation research etc.

Our students who have graduated from the Department are pursuing higher studies in India, as well as in foreign universities. Students who graduate in physics can pursue Master's Degrees in physics, marine science, electronics, biophysics, geophysics, biotechnology, computer science, computer applications, information technology and business administration.

For the last few years, the Department has achieved 100% results at the T.Y.B.Sc. examination and its students are doing well in their further studies. T.Y.B.Sc. students from the Department have won prizes for their project presentations at intercollegiate competitions. The Physics Department runs a "Quarks club" to encourage student participation in the development of a scientific culture in the institution and to create awareness about the importance of basic sciences, which will popularize science education.

The Physics Department also conducts skill enhancement Courses, which help students to develop technical skills in various subjects. So far the Department has conducted skill enhancement courses on Solar Energy Utilization, Telescope Making, Electrical and Electronic Instrumentation.

Our T.Y.B.Sc. students are motivated to take up innovative projects like Tree Biomechanics, projects related to material science etc.

## VII) Department of Zoology



The Department of Zoology was established in 1981. The curriculum prescribed by Goa University is taught at the undergraduate level. The strength of the department lies in its faculty members who are well-

qualified, experienced and devoted to the profession. In addition to teaching, the staff members conduct a variety of activities for the students like workshops, talks by renowned scholars, educational visits to national laboratories, wildlife sanctuaries, zoological parks, museums and other places of zoological importance, to give the students a broad view of the subject.

The Nature Club is affiliated to the Department of Zoology. State level workshops, national seminars and conferences have been organized by the Department for the benefit of students, teachers and researchers.

Students of Zoology have excelled in academics and extracurricular activities. They have won accolades at various competitions. The alumni are gainfully employed in various sectors including administration, education, and scientific research laboratories in India as well as abroad.

#### Scope of Zoology

Zoology, like all areas of science, is shaped by scientific method. It encompasses fascinating and important knowledge that enables a better understanding of animals, wildlife, our environment and human beings. During the course of study, the students will gain knowledge on a varied range of sub-disciplines like cell and molecular biology, animal physiology, biochemistry, developmental biology, endocrinology, ecology, animal behavior, animal biotechnology, genetics and evolution.

On graduation, the career paths available to students of Zoology are wide, including teaching, research, wildlife conservation, IFS (Indian Forest Service), environmental and ecosystem management sector. The course also prepares the students very well for higher education, including a Masters degree or even a Ph.D. Zoology graduates can find employment as analysts of food and beverage as well as the pharmaceutical industries (quality and consistency of the products). Graduates can also find work as medical or laboratory technicians in hospitals and scientific institutions

involved in conducting research and training. Another area which can be considered is the marketing of pharmaceutical and health care products to medical and veterinary practitioners, retail pharmacies, hospitals and clinics. Wildlife and forest conservation is yet another area that has tremendous scope. Here the work could involve conducting biological surveys and making recommendations on the management and safeguarding of rare and endangered plants and animals and their habitats. The Indian Forest Service also offers a rewarding career in the reserved forests and wildlife sanctuaries. Zoology graduates also find employment in research areas such as oceanography, agriculture and fisheries. An increasing number also venture into environmental monitoring. Others find careers in teaching at a variety of education establishments, as curators in museums and in the media as ecojournalists. Fish farms, leisure centers, local government, the police and service industries also employ zoology graduates.

In India one can work as a research zoologist, conducting experiments on specific animals. Zoos absorb many trained individuals. Other opportunities for zoologists exist in botanical gardens, conservation organizations, nature reserves, universities, laboratories, etc. Graduates can become researchers, teachers and can be trained in any field of biology within a short duration. If their past learning outcome is excellent, they are fit for doing any job in the biomedical field. After completing a Bachelors and Masters degree in Zoology, graduates can get jobs as teachers and researchers in various institutes or conduct their own research on specific topics related to particular animal species.

Thus zoology is a wide field, offering many career opportunities for research, especially because there is still a great deal to learn. Within Goa after graduation there are openings for students at research institutes such as NIO, NCAOR, ICAR, or government services such as the Forest department, the Fisheries department, hatcheries, aquaculture farms, the

## Department of Biotechnology (Self - Financing Programme)



Health department, and pathology laboratories.

Today, all over the world Biotechnology occupies a prime position in academics. There has also been rapid growth in Biotechnology-based industries. DCT's Dhempe College of Arts and Science offers a self-financing programme in B.Sc. (Hons.) Biotechnology affiliated to Goa University. The Department of Biotechnology was introduced in DCT's Dhempe college as vocational course in the year 1997 and is known for its standard of education. Dhempe College is one of the first institute in Goa to offer Biotechnology to undergraduate students.

Biotechnology is an interdisciplinary science involving use of technology to explore living organisms and their processes for the betterment of humankind.

In the coursework of the B.Sc. Biotechnology programme, substantial weightage is given to hands-on training and development of skills which are essential for a career in industries and research organizations. Due emphasis is given to relevant areas like Microbiology,

Cell Biology, Plant Biotechnology, Animal Biotechnology, Immunology, Molecular Biology and Recombinant DNA Technology, Biostatistics and Bioinformatics, Environmental Biotechnology, Industrial Biotechnology and Food Biotechnology, which represent the core areas of this science.

The Department of Biotechnology has laboratories which include General Laboratory I, II & III, Molecular Biology Laboratory, Plant Tissue Culture and Animal Tissue Culture Laboratory. Other facilities include a Chemical Room, a Sterilization Room, the Departmental library, and resource facility for students. The students are exposed to many advanced techniques and are trained in the use of sophisticated instruments. The state-of-the-art instrumentation includes UV-Vis Spectrophotometer, high speed Cooling Centrifuges, Laminar Air Flow cabinets, microscopes (Epiflourescence, Inverted and Binocular), Electrophoresis Units, incubators, deep freezer (-20 °C), pH meters, automated micropipettes, plant growth Chambers, CO<sub>2</sub> incubators, transilluminators etc.

The Department also organizes additional skill development courses which encourage students towards self employment, such as bakery and wine making. Students are also encouraged to take active part in various intra & intercollegiate competitions, where they can showcase their skills. The students are urged to undergo summer training in industries and research organizations during vacations. Training acquired at the workplace is a valuable addition to the curriculum vitae of the students. Our students have interned at various institutions and industries around the world such as Supbiotech (Paris), Kaushalya Hospital (Mumbai), Indoco Remedies (Verna), Cipla (Goa), Goa Medical College (Goa) and various pathological laboratories. The T.Y.B.Sc. student's project work is based on a variety of investigatory topics in Biotechnology & allied disciplines.

Biotechnology students are encouraged to enhance their scientific,

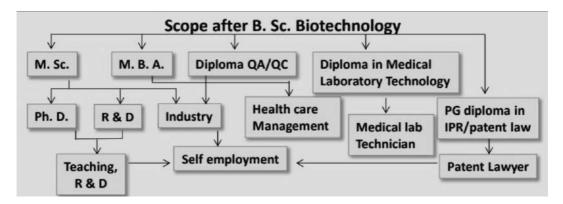
language and social skills through the departmental club 'OPERON'. The club organizes training for the students to prepare them for various entrance tests after graduation. This has resulted in students clearing the National JNU entrance examination for M.Sc., NET, GATE, GAT-B and MBA entrance tests. Our students have persued their higher education at prestigious universities in India and abroad, such as Vellore Institute of Technology (Tamil Nadu), Symbiosis School of Biological Sciences (Mumbai), University of Bern (Switzerland), University of Glasgow (UK), University of Copenhagen (Denmark) etc.

The Department organizes 'Chiasma', an annual event cum exhibition for higher secondary school and high school students. The exhibition remains open to the public, giving them a peek into the world of Biotechnology.

The Department focuses on academic excellence and personality enhancement of its students. Department conducts seminars, value addition courses, personality enhancement programmes and guest lectures by eminent scientists/personalities in the related field. The students are encouraged to participate and win intercollegiate competitions like Synapse (winner for six consecutive years), Micronova, K-OSS, Vistara and others. They are also motivated to present their research work in various conferences, seminars and workshops organized by the college and also by other educational institutions and industries.

The Department also conducts certificate course in Advanced Immunology, in collaboration with Dr. Srini Kaveri, Director, CNRS, New Delhi, Co-ordinator ICMR-INSERM, Paris, France and a state level workshops on relevant topics such as Bioinformatics & Nanobiomedicine in association with IIT Kharagpur.

The Department comprises of a team of hardworking devoted and highly qualified teachers, with excellent academic records and research experience.



#### Student Placement details

After completing their specialization in various fields of Biotechnology, our students are employed in renowned institutes and companies such as Serum Institute of India, Molbio Diagnostics, Tulip Diagnostics, NIO, Oxford Biomedica, Oxford, England, Cipla Pharmaceuticals etc.

#### B.Sc. (Hons.) BIOTECHNOLOGY (Self-Financing Programme) ACADEMIC YEAR 2023-2024

Class	Semester	Paper	Paper Code	Paper Title	Credits
F.Y.	1	Major	GBT-100	Biotechnology in Everyday Life	3+1
(under NEP		Minor	ZOO-111	Understanding Applications of Zoology	4
from 2023-24)		MC	ECO-131	Economics (MC_Sustainable Development)	3
2023-24)		SEC – 1	GBT-141	Laboratory Essentials	1+2
		AEC-1	ENG -151	English - (Communicative English: Spoken and Written)	2
		Value added	VAC 101 VAC 105	Environmental Studies -1 Constitutional values and Obligations	2 2
		courses	VAC 103		
	ll ll	Major	MIC-100	Basics of Microbiology	3+1
		Minor	CHC -111	Basic Concepts in Chemistry	4
		MC	CSC-133	Computer Science - MC-2 Cyber Security Essentials	3
		SEC – 1	GBT-142	Bakery and Fermented Beverage Technology	1+2
		AEC-2	ENG -152	English - Digital Content Creation in English	2
		Value	VAC114	Medical Gadgets for Healthcare	2
		added courses	VAC115	Health & Wellness	2
		Exit Course	GBT-161	Ecofriendly Bioproducts	4
S.Y	III	DSC	BIC103	Cell Biology	4+2
(under CBCS		DSC DSC	CBC103	Chemistry III for Biotechnology  Mammalian Physiology	4+2 4+2
from		SEC	ZBC103 BIS101	Urban Gardening	3+1
2017-18)	IV	DSC	BIC104	Plant Physiology & metabolism	4+2
		DSC	CBC104	Chemistry IV for Biotechnology	4+2
		DSC	ZBC104	Genetics	4+2
		SEC	BIS102	Basics of Forensic Science	3+1 4+2
T.Y (under	V	DSC DSC	BIC105	Plant Biotechnology Bio analytical Tools	4+2 4+2
CBCS		DSC	BIC106 BIC107	Molecular Biology	4+2
from		DSE	BID101	Biostatistics and Bioinformatics	3+1
2017-18)		DSE	BID101	Food Biotechnology	3+1
	VI	DSC	BIC108	Bioprocess Technology	4+2
		DSC	BIC109	Immunology	4+2
		DSC	BIC110	Environmental Biotechnology	4+2
		DSE	BID103	Animal Biotechnology	3+1 4
		DSE	BIP101	PROJECT	

## B.Sc. BIOTECHNOLOGY (Self Financing) Academic Year 2023-2024

#### **Fee Structure**

Particulars		F.Y.B.Sc.		S.Y.B.Sc.	,	T.Y.B.Sc.	
*IAIMS	Rs.	225.00	Rs.	225.00	Rs.	225.00	
*Enrollment Fees	Rs.	660.00					
*Tuition Fees	Rs.	60,981.00	Rs.	60,038.00	Rs.	60,613.00	
Goa University Administrative Fees	Rs.	1,000.00	Rs.	1,000.00	Rs.	1,000.00	
Laboratory Fees	Rs.	1,575.00	Rs.	1,500.00	Rs.	2,000.00	
*Library Fees	Rs.	1,050.00	Rs.	1,000.00	Rs.	1,000.00	
*Gymkhana Fees	Rs.	500.00	Rs.	500.00	Rs.	500.00	
*Student's Aid Fund	Rs.	130.00	Rs.	130.00	Rs.	130.00	
*Student's Activity Fees / Other Fees	Rs.	500.00	Rs.	500.00	Rs.	500.00	
*IT Fees	Rs.	820.00	Rs.	820.00	Rs.	820.00	
Infrastructure & Development Fees	Rs.	1,000.00	Rs.	1,000.00	Rs.	1,000.00	
Academic Restructuring & Development	Rs.	1,500.00	Rs.	1,500.00	Rs.	1,500.00	
Total Fees Amount	Rs.	69,941.00	Rs.	68,213.00	Rs.	69,288.00	
*C.M. Deposit	Rs.	70.00	Rs.	70.00	Rs.	70.00	
*Library Deposit	Rs.	70.00	Rs.	70.00	Rs.	70.00	
*Laboratory Deposit	Rs.	100.00	Rs.	500.00	Rs.	1,000.00	
Total Amount	Rs.	70,181.00	Rs.	68,853.00	Rs.	70,428.00	
Other Charges*	Rs.	1,150.00	Rs.	1,150.00	Rs.	1,150.00	
Grand Total Amount	Rs.	71,331.00	Rs.	70,003.00	Rs.	71,578.00	

#### Note:

- 1. F.Y.B.Sc. & S.Y.B.Sc. semester examination fees will be charged at the time of filling the examination forms.
- 2. T.Y. B.Sc. Semester examination fees are charged by Goa University separately.
- Laboratory / Library deposits are refundable after deducting the breakages / damages if any.
- 4. \*Other charges like PTA membership, I-Card and Academic Diary/Placement Brouchure will be charged at the time of admission.
- 5. \*Fees are charged as perCircular No. ACAD/FeeFix/S.F.C./28/DHE/2023/1638 dated 24/05/2023 and an email of the Tentative fee structure dated 24/05/2023 from the Director of Higher Education.

# Department of Chemistry M.Sc. ANALYTICAL CHEMISTRY (Self-Financing Programme)



The Department of Chemistry started an M.Sc. programme in Analytical Chemistry in the academic year 2018–2019. The programme is affiliated to Goa University and follows the syllabus designed by the University. Visiting faculty for lectures are staff members of the UG programme, teachers from Goa University and experts from the industry. Students trained under this programme have scope for employment in areas like research and development and as analytical chemists, quality controllers etc. in pharmaceutical, chemical manufacture, agrochemical, petrochemical, environmental and mining industries.

# M.Sc. ANALYTICAL CHEMISTRY (Self Financing Programme) COURSE STRUCTURE (2023-2024)

	M.	Sc. (Part	I) Programme from 2018-19	
Semester	Core/ Optional	Paper Code	Paper Name	Credits
I	Core	ICC-401	General Inorganic Chemistry	03
	Core	OCC-401	Structure, reactivity, steriochemistry	
			and reaction mechanism	03
	Core	ICC-402	Laboratory course in Inorganic Chemistry	02
	Core	OCC-402	Laboratory course in Organic Chemistry	02
	Optional	ACO-401	Analytical Techniques	03
	Optional	PCO-401	Topics in Physical Chemistry	03
II	Core	ACC-401	Concepts in Analytical Spectroscopy	03
	Core	PCC-401	General Physical Chemistry	03
<u> </u>	Core	ACC-402	Laboratory Course in Analytical Chemistry	02
	Core	PCC-402	Laboratory Course in Physical Chemistry	02
	Optional	ICO-401	Topics in Inorganic and Environmental Chemistry	03
	Optional	OCO-401	Synthetic Organic Chemistry - I	03
	M.Sc	c. (Part II)	Programme from 2019-2020	
III	Core	ACC-501	Fundamentals of Chemical Analysis	03
	Optional	ACO-507	Techniques in Chemical Analysis	03
	Core	ACC-503	Separation Techniques	03
	Core	ACC-504	Spectral Methods of Analysis	03
III & IV	Optional	CGO-500	Dissertation	08
IV	Core	ACC-505	Experiments in Analytical Chemistry	03
	Optional	ACO-502	Calibration and Validation in Analytical Chemistry	03
	Optional	ACO-505	Problems on Combined Spectoscopy	03
	Optional	ACO-506	Chemometrics	03

Note: Optional papers are subject to change.

## M.Sc. Analytical Chemistry (Self Financing) Academic Year 2023-2024 Fee Structure

Following is the proposed fee structure to be implemented for Part-I & Part - II M.Sc. Chemistry Analytical (Self-Financing Programme) for the academic year 2022-2023

Particulars	Part - I	Part - II
	(Rs.)	(Rs.)
*Enrollment Fees	660.00	
Tuition Fees	78,000.00	78,000.00
Laboratory Fees	5,000.00	5,000.00
Library Fees	2,000.00	2,000.00
Gymkhana Fee	420.00	420.00
Students Activity Fees / Other Fees	420.00	420.00
IT fees	1,000.00	1,000.00
Goa University Administrative Fee	1,000.00	1,000.00
Student's Aid Fund	130.00	130.00
Infrastructure & Development Fees	1,000.00	1,000.00
Library and Identity Cards	140.00	140.00
Examination Fees	1,000.00	1,000.00
Total Fees Amount Rs.	90,770.00	90,110.00
Library Deposit	1,000.00	1,000.00
Caution Money Deposit	100.00	100.00
Laboratory Deposit	90.00	90.00
Grand Total Amount Rs.	91,960.00	91,300.00
Other Charges*	750.00	750.00
Grand Total	92,710.00	92,050.00

#### Note: \*Subject to Change

- Fees as per Goa University Notification no.GU/Acad.Colg/Fees/2020/35 dated
   4/9/2020
- 2. Exam Fees to Goa University is according to Goa University Circular.
- 3. \*Other charges like PTA membership, I-Card and student information facility & admission registration charges will be charged at the time of admission.
- 4. Fees as per the Directorate of Higher Education Circular No. ADMN/FEE STRU/NOC/13/2018 (Part File)/2400 dated 23/08/2018 and Goa University Circular No. GU/Academic(Colg)/Fees/2022/211 dt 09/06/22.

#### SKILL DEVELOPMENT COURSES 2022-2023 (VALUE ADDITION COURSES) Arts Departments

			3 Departi	
Sr. No.	Name of the Course	Department	No. of Seats Available	Course Outcomes
1	Word-Pecker (An English Language and Confidence Enhancement Course for Children)	English	30	Will help students develop their spoken and written English through computational learning, theatrical techniques and traditional reading and recitation along with paving the way for creating interest in the above through art.
2	Impressions Seize The Stage! (A multi-Lingual theatrical workshop)	English	30	An improved knowledge of Indian theatre, free and fearless expression, willingness to experiment & take an active interest in theatrical activities in the future.
3	Finesse in Formal Correspondence	English	30	At the end of course, students will be efficiently equipped to deal with situations pertaining to academic and career centric correspondence and etiquette.
4	Applying Critical Reading	English	60	At the end of course, learners will be able to understand the nuances of critical reading and analysis; develop critical thinking skills; and become equipped to critically read, analyze and respond to a text.
5	Introduction to Translation	English	30	At the end of course, learners will be able to understand the basic concept involved in the theory of translation studies; evaluate the source text as technical or non-technical; experiment with machine translation and integrate the rules of the language and that of translation to produce meaningful text.
6	Achieving Political Socialisation through use of Gandhian Philosophy and Techniques."	Political Science	10	Students will be well versed with the Gandhian philosophy, history and ideology. Students will be well trained in Techniques. Gandhian techniques of protest, socialization and mobilization. Students will be aware of various socio-political problems of our country. Students will learn about the Political Culture of our society. Students will have greater regard and appreciation of Gandhi and his contribution as the Father of the Nation.

#### **DHEMPE COLLEGE OF ARTS & SCIENCE**

Sr. No.	Name of the Course	Department	No. of Seats Available	Course Outcomes
7	Typing in Unicode- Mangal Font	Indian Languages	Min.25 Max.29	विद्यार्थी देवनागरी टंकण में सक्षम होगा। प्रकल्प कार्यो, आलेखों तथा अपने लेखों का टंकण कर सकेगा तथा अपना ब्लाक टाइप कर सकता है।
8	Basic Statistics and Economics	Economics	15	Students will be able to analyse, interpret socio economic data and device conclusion and policy prescription.
9	Communication and leadership Skills	Psychology	30	Participants will be able to exhibit improved communication skills. Have amore accurate understanding of effective leadership skills and interaction.

#### Science Departments

Sr. No.	Name of the Course	Department	No. of Seats Available	Course Outcomes
1	Fundamental of GIS	Geology	15	To acquaint students with the basic satellite image interpretation and analysis students will be able to interpret geological information through satellite imageries. They will have basic working knowledge of ArcGIS platform.
2	Determination of Physico-chemical and Microbiological parameters in drinking Water	Chemistry	25 Max. 30	Students after completing this course gain adequate knowledge to conduct analysis of water samples in their locality to test the potability of water and thus serve the community in the larger interests.
3	Summer Course in Analytical Tools	Chemistry	25	Students after completing this course gain adequate knowledge to operate instruments like XRD, XRFS, SEM, Magnetic studies.
4	Bakery & Confectioneries	Biotechnology	25	The students will gain hands on skills in bakery products and confectioneries. Students will be able to apply the knowledge gained during this course in having their own startups ib Bakery,.
5	First Aid	Biotechnology	40	With the completion of this course, the student would benefit by: Identifying lesser/well known symptoms associated with acute conditions. Addressing the problem with a right approach. Manner of response during critical stage. Designing a first aid kit. Step by step approach, to correctly tackle an emergency problem. Clearing out common misconceptions and errors which could do harm. Learning to bandage and dress wounds correctly.

6	Certificate course in Design, Implementation & testing of Electronics Circuits	Physics	20	With the completion of this course, the student would benefit by: Identifying lesser/well known symptoms associated with acute conditions. Addressing the problem with a right approach. Manner of response during critical stage. Designing a first aid kit. Step by step approach, to correctly tackle an emergency problem. Clearing out common
7	Research Methodology and Data Analysis	Biotechnology	30	The students will get deeper understanding of data analysis, scientific writing and research methodologies. The course will imbibe in students a research-oriented mind set and create scientist of the future that are passionate about finding novel solution to everyday problems.
8	Basics of Python	Computer Science	20	The students will be able to implement Python Concepts.
09	Certificate course on Orchid, Anthuriums cultivation, flower arrangement, creative, kitchen and vertical gardening	Botany	20	This certificate course offers hands-on practical training programs on different techniques in gardening. This will give the impetus for the students to get a better job opportunity, set up their own farm and in their segment of interest to develop their career.
10	Certificate course on training and application of fungi as Biocontrol agents, EM fungi, 'vermincomposting' and organic manure for domestic utilization	Botany	20	This certificate course offers hands-on practical training programs at different techniques such as biocontrol agents, EM fungi, vermin-composting and organic manure for utilization. This will provide opportunities for the students to utilize the training provided for developing their career in respective field.
11	Certificate course on Skill development in fungi: Basic techniques in Mycology, Mushroom cultivation and Tempeh Preparation	Botany	20	This certificate course offers hands-on practical training programs at different techniques in fungi to enhance the skills and techniques of students. This will provide the drive for the students to get better opportunities in prospecting fungi as food. Course also aims in getting students interested in mycology as a potential subject.

#### **DHEMPE COLLEGE OF ARTS & SCIENCE**

12	Data Analysis and Statistical Techniques using "R"	Mathematics	20	The student should be able to understand various concepts in statistical techniques and statistical surveys. The student should be able to analyse the data using R or similar statistical software.
13	Mathematical Typesetting-LaTeX	Mathematics	20	Participants will be able to Install LaTeX in their systems. Typeset and control key LaTeX environments. Be familiar with good practice and proper LaTeX workflow for efficient best practice. Beware of a range of online resources to support the use of LaTex. Use mathematical expressions and equations. Create project reports. Write a journal article or Ph.D. thesis using LaTex. Make presentation slides using beamer.
14	Techniques in fruit preservation	Botany	10	This course will help them to be entrepreneurs in processing fruits on small scale industry. They can store the fruits when available for long time and also be an entrepreneur.

#### **GENERAL INFORMATION**

#### Library

The college library is a veritable treasure house comprising a rich collection of reading resources, including 36504 books, a wide collection of journals, periodicals, e-books, e-journals and even rare books. The library is housed in a separate building and has a spacious reading room that comes equipped with computers and internet facilities for students. The students are encouraged to make full use of the library facilities and are even briefed on the working of the library at the beginning of the academic year.

#### **Physical Education**

It is a well-established fact that a healthy mind and a healthy body run in tandem. Physical education promotes this over all well-being amongst students, schooling them in the spirit of teamwork and healthy competition, while at the same time ensuring that sportsmen and women inculcate a sense of pride in their sport, in themselves and in their nation.

The Physical Education department organizes coaching and training programmes for various sports such as volleyball, football, cricket, kabaddi, table tennis, badminton, handball, basketball etc. These facilities help students to develop their sporting skills and talents. The college has a collaboration with the Sports Authority of Goa (SAG) under which it can make use of the Campal ground facilities to conduct college sporting events.

Our students participate at the state, national and international level. It is our endeavor to promote sporting talent to its ultimate potential.

#### N.C.C. (ARMY WING)

The college has I Goa Girls BN N.C.C. Unit with a strength of 52 cadets

working under the guidance of Associate NCC Officer Lt. Dr. K. K. Therisa. The Unit looks after the overall personality development of the girl cadets. The cadets are encouraged to participate in outstation camps such as national integration camps, annual training, rock climbing, RDC, TSC trekking camps, shooting camps, etc. The cadets are also motivated to answer the 'B' and 'C' certificate exams. The cadets participate in social awareness programmes as well.

#### N.C.C. (NAVALWING)

In addition to National Cadet Corps (NCC) army wing, Naval wing is started in the college from academic session 2021-22. NCC Naval Wing, belong to 1 Goa Naval Unit NCC. Our Naval Unit is given the strength of **50**Naval Wing cadets headed by NCC Caretaker Dr. Mamta Kumari.

#### N.S.S.

Our institution has N.S.S. volunteers working under the guidance of trained Programme Officers. The college has allotted strength of 350 volunteers. Volunteers are required to complete 60 hours per semester and a total of 120 hours. Activities are conducted as per the University and Directorate of Sports and Youth Affairs guidelines. The N.S.S. unit organizes different activities such as surveys, blood donation camps, rallies with NGO's and other personality development programmes. A special camp is organized every year.

#### Committee, Cells and Associations

#### **Anti-ragging Committee**

This committee looks into cases of ragging if any. The college has adopted all measures to prevent ragging, installing CCTV cameras and displaying boards informing the students that ragging is a punishable offence. UGC regulations on curbing the menace of ragging in Higher Educational Institutions, 2009 under Sec. 26 (1) (g) of the UGC Act 1956, amended from time to time as per the direction of Honorable Supreme Court is applicable.

#### **Grievance Redressal Committee**

The College has in place the Collegiate Student Grievance Redressal Committee (CSGRC) under the chairmanship of the Principal, student representative and teacher representatives from Arts and Science faculties. This Committee is established as per Section 5(A) of the UGC's Redressal of Grievances of Students Regulations, 2019 dated 6/5/2019 and is functioning as directed by the above notification. The College also has online Student Grievance link on its website.

#### Internal Complaints Committee

This is a statutory committee which looks after the grievances of female students as well as female staff working in the college, with regards to sexual harassment as per the decision of the Honorable Supreme Court, (Prevention of Sexual Harassment Act, 2013). It conducts regular orientations to ensure prevention of sexual harassment, for all students and the staff of the college.

#### **Examination Committee**

The Examination Committee is incharge of all matters pertaining to F.Y./S.Y./ B.A./B.Sc. Intra-Semester Assessments (ISA) and Semester End Examinations (SEE) in the college. The committee prepares the examination time-table and the seating arrangement. It also arranges the printing of question papers and coordinates assessment of answer books. The committee looks after the individual statement of marks to be issued to the candidates. The committee looks after the entry of marks (ISA/SEE) on the IAIMS portal and generates result.

#### College Unfair Means Committee

This committee is a statutory committee appointed to investigate unfair activities reported during examinations and it takes the necessary action as per the University guidelines.

#### **Discipline Committee**

This committee looks after overall discipline of the college ensuring proper decorum in the College premises.

#### Students Council Committee

This committee looks after the smooth conduct of elections held for the posts of the General Secretary, Class Representatives and University Representative of the college, as per Goa University guidelines. Once the elections are held, the elected members form their Council for the academic year. The practice of secret ballot and transparency in the counting is maintained. The aim of the college authorities is to inculcate voter awareness and develop honest citizens.

#### **Students Activities Committee**

To encourage maximum student participation in extra-curricular activities in the college, as well as in inter-collegiate festivals, is a major focus of this committee. The activities promoted range from the artistic and cultural to the oratory. Students are encouraged to choreograph and execute all performances with the guidance of the teachers in-charge. Students are encouraged to take-up socially relevant causes and extension work. The committee has a calendar of activities planned each year, and works hand-in hand with the elected Students Council. Students are encouraged to use the online platform as well.

#### ISO (International Organization for Standardization) Committee

ISO Committee is constituted to look into matters pertaining to quality certification of the college QMS, schedules of internal and certification surveillance audit, and maintenance of conformity to the requirements of the standards of ISO 9001:2015. College is certified for ISO 9001:2015 for Fourth cycle.

#### **Health Centre Committee**

The College has a well-equipped Health Centre, which caters to the first-aid requirements and well-being of students and staff. Health camps, seminars and talks on health issues by health experts are conducted, for the benefit of students and staff. Students also participate in health camps, workshops, essay competitions, poster competitions, healthy cooking competitions etc., on topics related to health. The Health Centre also organises Deworming programmes, Health Check-Ups, Coordinating activities with the help of Government bodies, DHS etc.

#### **Canteen Committee**

The College has a subsidized canteen open throughout the day. Meals as well as snacks are available, along with hot and cold beverages. Seating facility for approximately 30 students is available in the canteen. The Canteen Committee periodically checks the condition of the canteen for hygiene and also addresses the grievances of the students, prepare menu along with two student representatives. As per ISO procedures, student's feedback is obtained periodically.

#### **Counseling Committee**

A counselor is appointed to provide counseling services to the students. The counselor also conducts workshops to facilitate emotional, interpersonal and academic growth of the students. The counselor provides support and imparts life skills and encourages self-reflection, all with the purpose of empowering students.

#### Mentoring Programme Committee

Under this programme, students are mentored by faculty members. Every student is assigned a mentor who meets the respective students once a month. The mentor monitors student attendance and academic records and provides individual guidance. Students may also opt to set career goals with the help of the mentor and work towards achieving them.

#### Infrastructure and Maintenance Committee

Infrastructure, maintenance are periodically monitored by the Maintenance Committee. Accordingly, maintenance work if required have been outsourced to technical experts on priority basis.

#### **Prospectus Committee**

This committee compiles the departmental and other information of the college and prepares the prospectus for the forthcoming year.

#### IQAC (Internal Quality Assurance Cell)

IQAC is a mechanism to build and ensure a culture of quality at the institutional level. It is meant for planning, guiding and monitoring the Quality Assurance (QA) and Quality Enhancement (QE) activities of the institution. IQAC conducts regular meetings and formulates quality standards.

#### Placement Cell

The Placement Cell has been established to provide information about placement opportunities. It conducts career guidance and provides placement services to our students. The aim of the Placement Cell is to create a link between education and employment.

Our institution facilitates the placement of T.Y.B.A./ T.Y.B.Sc. students. Several companies visit the campus and provide details of job profiles and vacancies to the students. Campus recruitments are held every year.

#### Research Cell

The College has a research cell. Teaching faculty members are actively involved in research. The College teaching staff has undertaken various major and minor research projects which are sponsored by University Grants Commission (UGC), Department of Science and Technology, and various other funding agencies. Interactions of staff and students with scientists at national and international levels are facilitated by the Research Cell through workshops, seminars and conferences.

#### Women's Cell

The Women's Cell of the College has been established to look after the needs of female staff & students and to empower them by conducting various activities to display their talents and familiarize them with women's rights. The Women's Cell also organises health camps, talks related to health issues of women.

#### **Alumni Association**

The Dhempe College Alumni Association was established during the academic year 2000-2001. The first elected body was installed on January 14, 2001. The association has been actively organizing various programmes involving alumni distinguished in various fields.

#### **Green Audit Committee**

The college was awarded Green Certification: GSCP-01-2010 of level III of Green Standard Certification Programme. Our college is the first college in Goa to get this certification.

The committee co-ordinates various activities supporting the Green policy of the college which are, field trips, training programmes related to the environment such as calculation of carbon footprint, energy audit, waste management, renewable energy, vermi composting, preparation of micro-organism and landscaping.

In the beginning of the academic year Green Audit Committee identifies some students as Green Ambassadors. These students are given orientation to propagate environmental consciousness among other students. These Green Ambassadors motivate other students to work towards protection of environment.

#### Personality Enhancement Programme (PEP)

This programme involves various activities held in the college. Teachers and students chalk out programmes such as debates, talks by eminent personalities, alumni, academicians and scientists from various institutions like N.I.O, N.C.A.O.R, etc. Screening of movies, workshops, field trips and other awareness programmes help to showcase talents of both, teachers and students and thereby enrich their personalities in a wholesome way.

True to the mission of our college, the Personality Enhancement Programme fosters creativity, co-operation, develops analytical minds and pertinent skills, thereby sharing responsibility in enriching the web of life.

#### Institution's Innovation Council

The Ministry of Human Resource Development (MHRD) Govt. of India has established 'MHRD's Innovation Cell (MIC)' to promote Innovation amongst all Higher Education Institutions (HEIs). The MHRD's Innovation Cell supports the creation of 'Institution's Innovation Council (IICs)' that would inspire and nurture young students to promote innovation in the Institution and around the campus. In view of the same, the college has formed the Institution's Innovation Council of DCT's Dhempe college of Arts and Science, Miramar in 2019.

The council comprises of four external members (two start-up/Alumni entrepreneurs, an industrial expert and a member of an incubation centre),15 faculty members and 11 student members.

The Institution's Innovation Council strives to be a platform to promote innovative ideas, creative thinking and entrepreneurship skills in young talented students by organising various activity and innovation. Our college has received a 3 - Star rating from MMRD for the academic year 2021-22.

#### **DEPARTMENTAL CLUBS**

#### **Arts**

#### Smithsonian Club (Department of Economics)

The club conducts peer learning for students who have difficulties and the club also participates for various Inter-College economics competitions. Students are given the opportunity to display their talents in the form of photo exhibitions, poster exhibitions, field trips, etc. The students are encouraged to answer competitive exams like CMAT, CAT, banking exams, etc. The forum also conducts entrepreneurship training and exhibition in the College campus.

#### Communication Club (Department of English)

The Communication Club conducts activities such as general knowledge quizzes, debates and elocution competitions. The club also organizes competitions on essay writing and poetry writing, among other things. These events are open to all college students.

#### Literary Association (Department of English)

The association organizes literary festivals, conducts quizzes, and invites eminent experts from the fields of literary humanities, translation and media to interact with the students. It also prepares students for intercollegiate literary festivals and competitions. The annual intra college litest 'Carpe Diem', performance poetry event "Voice it Out" are organised under the aegis of this association.

#### Movie Club (Department of English)

This club screens movies based on novels, plays, as well other educational movies for students of literature and other college students.

#### History - History Forum (Department of History)

This is a platform under which heritage tours, trails, walks, talks, lectures, etc. are arranged for the students. This forum also organizes audio visual presentations on the history and heritage of Goa. Various trails such as Kushawati Heritage Trail, Mhadei Heritage Trail, Miramar - Tonca Pillar - British Cemetery Heritage Walk, Old Goa Heritage Walk and History heritage study tours and visit to museum are organized. The screening of various historical films is held. Guest lectures as well as historical plays are organized to develop interest in the students. Commemorations of the birth and death anniversaries of historical figures such as D.D.Kosambi, Sardar Karnail Singh, Sarojini Naidu, Mahatma Gandhi etc. are observed. The heritage fort of Zuvem (St. Estevam Island) has also been adopted by the forum.

#### Bharatiya Bhasha Mandal (Department of Indian Languages)

This forum organizes various activities for students such as quiz competitions, poetry recitations, debate, essay writing, short story translation and guest lectures. Besides these several lectures on art, culture and literature are organized for the college students. Films, dramas and documentaries are also screened for students.

#### Philosophy Association (Department of Philosophy)

The association organises various activities for students during the academic year such as debates, screening of documentaries, paper reading sessions and visits to old age homes. Field trips, seminars/workshops/conferences, community service at institutes for the underprivileged are also organized.

#### Political Science Forum (Department of Political Science)

This is a formal platform consisting of teachers and students which aims to provide students with the opportunity to exhibit their talents and learning beyond the classroom and take part in activities like quizzes, debates, talks by prominent personalities etc. for the enrichment of faculty and students. Field trips, site visits and short education tours are organized for students under the aegis of the Political Science Forum.

#### Mental Health Club (Department of Psychology)

The club is committed to create awareness on applied areas of Psychology to inculcate interest among students. Field trips, screening of movies, talks by experts are organised to help students gain a better understanding of the field. Visits to institutes involved in mental health care are arranged whereby the students get an opportunity to interact with various experts and also gain hands on experience.

#### Science

#### Chromophore Club (Department of Chemistry)

The Chromophore Club is a dynamic and innovative club of the Department of Chemistry. This club organizes poster competitions, quiz competitions and industrial visits. The club also organizes a series of lectures by inviting eminent persons from the industry. It encourages students to participate in seminars and workshops conducted by Goa University and the Association of Chemistry Teachers (ACT), Goa, which help develop their interest in chemistry.

#### Quarks Club (Department of Physics)

Quarks Club has been formed to stimulate scientific talent amongst students of this institute. Any science student of this college can become a member of this club and participate in its activities. The club engages in activities like science popularization lectures, science quiz programmes, science exhibitions, workshops, study tours, etc. with focus on Physics. The club has also taken the initiative of organizing scientific visits to Nuclear power stations and research labs. Through this club, the Department of Physics organises workshops for students of our college.

#### Nature Club (Department of Zoology)

The club conducts live presentations and screening of movies related to environmental issues. Nature trails, discussions and competitions are also held as part of the activities of this club.

#### Operon Club (Department of Biotechnology)

The Operon Club aims at the overall development of biotechnology students, which includes enriching biotechnology-related conceptual knowledge, providing information about research and career opportunities, organizing seminars, preparing students for various entrance examinations and honing life skills such as communication skills, spoken English, stage presence, as well as general etiquette.

## DHEMPE COLLEGE OF ARTS AND SCIENCE IGNOU (STUDY CENTRE 0802) PH: (0832) 2462616

This College promotes education to working people and students of regular courses who are interested in pursuing their studies through its IGNOU study centre.

The following courses offered by IGNOU are available at Dhempe College IGNOU study centre. For details of fees and other information contact the IGNOU study center at the college.

#### Timings:

10.00 a.m. to 1.00 p.m. (Tuesday to Saturday)
10.00 a.m. to 1.30 p.m. (Sunday) Monday and 3rd Sunday closed

Name of the	Eligibility	Age	Duratio	
Programme			Min	Max
Bachelor of Science	10 + 2 with Science subjects or equivalent	No bar	3yrs	6 yrs
Bachelor's Preparatory Programme	No formal qualification	18 years	6months	2 yrs
Bachelor in Tourism Studies	BPP from IGNOU or 10+2	No bar	3yrs	6 yrs.
Master of Arts (Public Administration)	Bachelor's Degree or higher in any discipline	No bar	2yrs	5 yrs.
Master of Arts (Sociology)	Bachelor's Degree	No bar	2yrs.	5 yrs.
Master of Arts (History)	Bachelor's Degree	No bar	2yrs.	5 yrs.
Master in Tourism Management	Bachelor's Degree or Diploma in Hotel Management	No bar	2yrs.	4 yrs.
Master of Arts in Hindi	Bachelor's Degree in Hindi	No bar	2yrs.	5 yrs.
Msc. Env. Science	Bachelor of Science	No bar	2yrs.	5 yrs.

#### **DHEMPE COLLEGE OF ARTS & SCIENCE**

Name of the Programme	Eligibility	Age	Durat Min.	ion Max
Diploma in Women's Empowerment & Development	10+2	No bar	1 year	4yrs.
Certificate in Functional English (Basic Level)	10+2	No bar	6months	2 yrs.
Certificate in Business Skills	10+2	No bar	6months	2 yrs.
Certificate in Guidance	BPP/SSC	No bar	6months	2 yrs.
Certificate in Teaching in Primary School Mathematics	SSCE	No bar	6months	2 yrs.
Certificate in Laboratory Techniques	10+2 with Science	No bar	6months	2 yrs.
Post Graduate Diploma In Educational Technology (PGDET)	Graduate	No bar	1 year	2 yrs
Post Graduate Diploma in Intellectual Property Rights	Graduate	No bar	1 year	2 yrs
Diploma in Paralegal Practice	10+2	No bar	1 year	2 yrs
Post Graduate Certificate In Cybercrime	Graduate	No bar	1 year	2 yrs
Certificate in Human Rights (CHR)	10+2	No bar	1 year	2 yrs

Dhempe College promotes Value addition with below mentioned courses offered by Indira Gandhi National Open University (IGNOU) through its Open Distance Learning (ODL).

#### **DHEMPE COLLEGE OF ARTS & SCIENCE**

Name of the Programme	Eligibility	Age	Durat Min.	tion Max
Master of Arts (Political Science)	Bachelor's Degree	No bar	2 yrs.	5 yrs.
Diploma in Tourism Studies	BPP from IGNOU 10+2orits equivalent	No bar	1 year	4 yrs.
Certificate Programme in Tourism Studies	BPP from IGNOU or 10+ 2orits equivalent	No bar	6 months	2 yrs.
Post graduate Diploma in Translation	Bachelor's Degree	No bar	1 year	4 yrs.
Post Graduate Diploma in Urban Planning and Development (PGDUPDL)	P.G.Diploma	No bar	1 year	3 yrs
Post Graduate Diploma in Disaster Management	Bachelor's Degree	No bar	1 yr.	4 yrs.
Post Graduate Diploma in Environmental and Sustainable Development	Bachelor's Degree	No bar	1 yr.	3 yrs.
Post Graduate Diploma in Environmental and occupational Health (PGDEOH)	Bachelor's Degree	No bar	1 yr.	3 yrs.

All IGNOU ODL courses can be pursued simultaneously with other degrees offered in face to face mode subject to eligibility criteria mentioned in IGNOU Brochure available online through IGNOU official website www.ignou.in. Admission for all IGNOU courses is online regulated by IGNOU official website.

LIST OF CERTIFICATE PROGRAMMES OFFERED AT IGNOU REGIONAL CENTRE- PANAJI (08)

S. No.	Title of the ProgrammeProgramme	Eligibility	Duration	Fee (INR)	
<u></u>	Certificate in Disaster Management	CDM	10+2	6 months	2,800/-
7	Certificate in Environmental Studies	CES	10+2	6 months	2,600/-
က	Certificate Programme in NGO Management	CNM	10+2 or Matriculate with		
			experience in NGO Sector.	6 months	2,000/-
4	Certificate in Business Skills	CBS	10+2 or its equivalent	6 months	3 400/-
2	Certificate in Functional English (Basic Level)	CFE	10+2 or its equivalent	6 months	4,200/-
9	Certificate in HIV and Family Education	CAFE	10+2	6 months	1,200/-
_	Certificate in Tourism Studies	CTS	10+2	6 months	2,200/-
∞	Certificate in Food and Nutrition	CFN	No formal qualification	6 months	1,600/-
တ	Certificate in Nutrition and Child Care	CNCC	10+2	6 months	2,200/-
9	Certificate in Human Rights	CHR	10+2	6 months	2,800/-
<del>=</del>	Certificate in Consumer Protection	CCP	10+2	6 months	2,000/-
12	Certificate in information Technology	CIT	10th pass	6 months	6,200/-
13	Certificate in Guidance	CIG	Matriculation /SSC	6 months	2,200/-
14	Certificate in Communication and IT Skills	CCITSK	10+2 pass with English	6 months	-/006'9
15	Certificate in Energy Technology and Management	CETM	10th pass	6 months	2,900/-
16	Certificate in Library and Information Science	CLIS	10+2 passed	6 months	3,200/-

All above certificate programmes are with Fee Waiver for SC and ST students.

Above mentioned courses of IGNOU are offered through IGNOU study centre (0802) located in the college premises. IGNOU courses are well recognized in India and abroad for employment purpose. These enrolment etc. interested students are advised to contact the office of IGNOU study coordinator on ground certificate courses can be pursued simultaneously along with the formal BA/BSc. education. For details of floor of the College main building.

# Coordinator: Mr.Sandeep Burye

#### SCHOLARSHIPS AND PRIZES

#### 1. Smt. Hirabai M.S. Talaulicar Scholarship

For the student securing highest number of marks in Marathi (Major) in the F.Y.B.A. examination and joining the same college in the S.Y.B.A.

#### 2. I. A. Gonsalves Scholarship

For the student securing highest marks in Hindi (Major) at the F.Y.B.A. examination.

#### 3. Late Smt. Muctabai Kashinath Mulgaonkar Prize

To a female student securing highest marks at the B.A. examination.

#### 4. Prof. Krishnarao G. Keni Memorial Prize

To a student who scores highest marks in English (Major) at B. A. degree course.

#### 5. Shri. Mark Fernandes Memorial Prize

For the student securing highest percentage of marks in B.A.

#### 6. Late M.Dattaram Purshottam Kabadi Scholarship

To the student who scores maximum in T.Y. B.A. examination of Goa University irrespective of subjects.

#### 7. Late M.Dattaram Purshottam Kabadi Scholarship

For the student scoring maximum marks in T.Y. B.Sc. examination of Goa University irrespective of the subject.

#### 8. Shri. Mark Fernandes Memorial Prize

For the student passing the Final Year of the new 3 year B.Sc. degree and securing highest percentage of marks.

#### 9. Prof. F. B. Antao Scholarship

For the student scoring the highest marks in Geology at the T.Y.B.Sc. Examination of Goa University.

#### 10. Late Rajaram Pandurang Bhangui Prize

To a student from Dhempe College of Arts & Science who stands first at the F.Y.B.A. examination.

#### 11. Mrs. Hemlata Hiralal Raythatha

Scholarship in the form of annual fees will be given to students scoring highest marks at the First Year B. A., Second Year B. A. and Third Year B. A. level.

#### 12. Late Smt. And Marearida Ferreira Miranda Memorial Prize

To a student of Dhempe College who passes in all subjects and gets highest marks from among all the students appearing for the First Year B. Sc. and who pursue higher studies in the same college.

#### 13. Late Dattaram Gopinath Gude Memorial Prize

For the student standing first in B.Sc. with Chemistry as the Principal subject.

#### 14. Late Shri. Dattaram G. S. Gude alias Rajiv Gude Memorial Prize

For the student securing highest marks in Chemistry at the University examination of T.Y.B.Sc. among the students of the college.

#### 15. Late Shri. Dattaram G. S. Gude alias Rajiv Gude Memorial Prize

For securing highest marks in Maths at the University examination of T.Y.B.Sc. among the students of the college.

#### 16. Smt. Indirabai Raghuvir Salkar Memorial Prize

For the student securing highest marks in the subject of Physics in the March/April examination held in Goa University among the students of Dhempe College.

#### 17. Late Shri. Shantaram Vasant Pai Memorial Prize

For the student securing highest marks in Philosophy (6 units) in the T.Y.B.A. examination held in April.

#### 18. Late Laxmibai Vasant Pai Memorial Prize

For the student securing highest marks in History (6 units) in the T.Y.B.A. examination.

#### 19. Late Laxmibai Vasant Pai Memorial Rolline Cup

For the student securing highest marks at S.Y.B.A. level in Philosophy and studying in TYBA (Philosophy) in the same college.

#### 20. Late Shri. Prasen Prakash Salgaonkar Scholarship

For scoring highest marks in Botany at the T.Y.B.Sc. examination.

#### 21. Dr. Nandkumar Chodankar Scholarship

For two students scoring highest marks in the XII Std amongst those seeking admission to F. Y. B. Sc. The students should intend to opt for Chemistry as a major subject at T. Y. B. Sc. level.

## 22. Late Gopikabai Govind Agshikar & Late Govind Morto Agshikar Scholarship

For scoring maximum aggregate (theory+ practical) marks in S.Y.B.Sc. Geology and opting for Geology as major subject in T.Y.B.Sc. level.

#### 23. Dempo Charities Trust Scholarship (2 Scholarships)

To a male and a female student for scoring the highest marks in Biotechnology at T.Y.B.Sc Biotechnology level.

#### 24. Department of Economics Scholarship

Cash prize Rs. 1000/- and a rolling trophy by Department of Economics, awarded for the student securing the highest marks in Economics at F.Y.B.A., S. Y. B. A. and T. Y. B. A. (6 units) continuously.

#### 25. Department of Economics Scholarship

Rolling trophy for the student securing highest marks in Economics at F.Y.B.A&S.Y.B.A levels.

#### 26. Department of Economics Scholarship

Trophy to the F. Y. B. Sc./F. Y. B. A. student who scores maximum marks in the Entrepreneurship paper.

#### 27. Department of Economics Scholarship

Rolling Trophy awarded for maximum sales at 'Thousand shades of Talent'.

- 28. Mrs. Filomena Dias award in the form of a cash prize of Rs. 3000/-instituted by Ms Clarinda Dias to be awarded to a student who shows exemplary performance in extracurricular activities displaying talent and leadership spirit.
- 29. Mr. Caetano Domingos Dias award in the form of a cash prize of Rs. 2000/- instituted by Ms Clarinda Dias to be awarded to a student securing highest marks in the subject of English at the TYBA examination.

#### 30. Late Mr. Prasad Amonkar Memorial Prize

Cash prize of Rs 2000/- instituted by Ms. Shuchana Amonkar to be awarded to best Sportsman / Sportswoman student.

#### 31. Kalyani Ghanashyam Naik Memorial Prize

Cash prize of Rs 4000/- instituted by Mr. Pandurang Naik to be awarded to best Sportsman / Sportswoman student.

#### 32. Late Shri Shambhu Gaonkar Memorial Prize

Cash prize of Rs 2000/- instituted by Dr. Palia Pandit to be awarded to an outstanding specially-abled student in the TYBA.

#### 33. Ms Kamala Bhatt award

Cash prize of Rs 2000/- instituted by Dr. Akshata Bhatt to the best all rounder student displaying outstanding performance in intra and interinstitutional events for three consecutive years and passing TYBA examination.

## FINANCIAL AID AND OTHER FACILITIES National/ State Government Schemes

- Freeship to children of service personnel (Junior Commissioned Officers & other low ranks in the Army and Officers & Personnel of the corresponding status in the Air Force & Navy killed or disabled in action.)
- 2. Freeship to dependents of Iron Ore Mine Workers.
- 3. Freeship to Children of Political Sufferers.
- 4. Post- Matric Scholarship for Minorities students. (http://www.minorityaffair.gov.in)
- 5. Post- Matric Scholarship for Physically Disabled Students.
- 6. Post- Matric Scholarship for SC/OBC/EBC and DNT (http://www.swportal.goa.gov.in)
  - a) Post Matric Scholarship for SC
  - b) Gagan Bharari Shiksha Yojana
  - c) Merit Based Award
  - d) "PRASHIKSHAN YATRA" Scheme to provide financial assistance for conducting study tours (Extension) for SC community students during vacations.
- 7. a) Post-Matric Scholarship for (ST Students) (http://www.scholarships.gov.in)
  - b) Gagan Bharari Shiksha Yojana (ST Students) (http://www.schemesdtw.goa.gov.in)
  - c) Merit Based Award (ST Students)
  - d) "PRASHIKSHAN YATRA" Scheme to provide financial assistance for conducting study tours (Extension) for SC community students during vacation.
- 8. Post- Matric Scholarship for Dhangar Community of Goa.
  - a) Gagan Bharari Shiksha Yojana for Dhangar Community of Goa.
  - b) Merit Based Award for Students from Dhangar Community of Goa.

- c)" PRASHIKSHAN YATRA " Scheme to provide Financial Assistance for conducting Study Tour (Extension) for Dhangar Community Students during vacation.
- 9. Promotion of Science Scheme (Directorate of Higher Education) Students scoring 75% and above marks at std XII examination and seeking admission for B.Sc. courses
- Financial assistance for higher education / technical education under Sant Sohirobanath Ambiye Dnyanvruddhi Shishyavrutti" (Bursary Scheme)
- 11. Central Sector of Scholarship for colleges and university (National Scholarship Portal 2.0) Ministry of Social Justice & Empowerment, Government of India. (http://www.scholarships.gov.in)
- 12. Dr. Ambedkar Post-Matric Scholarship Scheme for EBC (Economically Backward class) Ministry of Social Justice & Empowerment, Government of India. (http://www.swportal.goa.gov.in)
- 13. Fee Waiver Scheme for Higher Education for SC/ST (B.A. / B. Sc.) students pursuing higher education (Govt. of Goa)
  - a) Any student seeking fee waiver under the scheme should have been born in Goa or a resident of Goa for at least last fifteen years.
  - b) He/she must have passed his/her qualifying examination from any of the institutions located in Goa.
  - c) He/she should have been belonging to SC/ST community of Goa.
- 14. Dayanand Bandodkar Scheme for Higher Education for Orphans (Government of Goa)
- 15. National Handicapped Finance & Development Corporation (NHFDC) for & on behalf of the department of Empowerment of Person with Disabilities, Ministry of Social Justice & Empowerment, Govt of India, invites applications from students with disabilities for the award of

- scholarships under the Scholarship Scheme (Trust Fund). (http://www.scholarships.gov.in and http://www.nhfdc.nic.in)
- 16. Student Aid Fund (Govt. of Goa): Financial assistance for poor students to meet partly or fully, tuition fees or examination fees or for purchase of books or for similar expenses. Needy students should apply with the prescribed forms available at the College Office on the dates notified on the college notice board in due course.
- 17. Dnyandan, a scholarship for needy students has been instituted by teachers of Dhempe College of Arts and Science, to help the students to pay their annual fees.
- 18). CWS Scholarship to Meritorious NCC Cadets 1 Goa Bn NCC Sports Science & Research Centre Dayanand Bandodkar Krida School Peddem – Mapusa – Goa.
- 19) PRADHAN MANTRI UCHCHATAR SHIKSHA PROTSAHAN (PM-USP) YOJANA.

  Students who are above 80% of successful candidates in the relevant stream from the respective Board of Examination in class XII of 10+2 pattern or equivalent. (http://www.scholarships.gov.in)
- 20) Sant Sohirobanath Ambiye, Dyanvruddhi Shishyavrutti (Bursery Scheme): Financial assistance to students whose both parents annual income taken together should be less than three lakhs. (http://www.bursery.dhe.goa.gov.in)

#### \*Note:

In order to establish residence eligibility, the applicant is required to attach previous school certificates where he/she studied in Goa continuously for a period of 10 years. In case there is any break in study he/she is required to produce a residence certificate for the break period from the Mamlatdar.

## PARENT- TEACHER ASSOCIATION OF DHEMPE COLLEGE OF ARTS & SCIENCE, MIRAMAR

Dear Parent,

The College has constituted the Parent-Teacher Association of this Institution with the following aims and objectives:

- a. To foster and promote cordial relationships among the parents, teachers and students of the College.
- b. To help parents guide and participate in various developmental activities of the College.
- c. To institute scholarships / awards for deserving students of the College.
- d. To provide and ensure essential amenities to the students of the College.

The College has instituted a nominal fee of Rs. 100/- as the annual membership of the association.

We would be happy if parents register as members of the Association by filling the form attached at the end of this prospectus. The form along with the fee may be submitted to the College office at the time of admission.

Thanking you,

Principal

Dhempe College of Arts & Science

# PARENT - TEACHER ASSOCIATION OF DHEMPE COLLEGE OF ARTS AND SCIENCE, MIRAMAR, PANAJI - GOA

#### MEMBERSHIP FORM

PARENT'S NAME:			_
PARENT'S MOBILE NUMBER:			_
PARENT'S EMAIL ID :			_
STUDENT'S NAME:			_
CLASS:		ROLL NO:	
RESIDENTIALADDRESS:			_
			_
TELEPHONE:			_
(RESIDEN	NCE)	(OFFICE)	
Emergency Contact: Mob. Nos:-	Father:		
	Mother:		
	Guardian:		
SIGNATU	RE OF PAREN	Г:	_
NAME OF	PARENT:		
DATE:			

### X

## TO BE FILLED IN BY PARENT/GUARDIAN ONLY STUDENT'S PERSONAL DATA

Name of the Student		_
Class Div	Roll No	Student's
PR.No		Photograph
Residence Address		
Blood Group		
AADHAAR No.:		
(Copy of AADHAAR Card to be attach	ed)	
In case of emergency Contact detail	ils of Parent/Guardian	
Office Address		
Res. Tel. No	Off. Tel. No.	
Mobile No. of Father		
Email of Father:		
Mobile No. of Mother:		
Email of Mother:		
Mobile No. of Guardian:		
Email of Guardian:		
Annual income of Parents:		
(Certificate of income to be attached if	Economically Backward Cla	ISS
Scholarship is claimed)		
I/We have read all the rules		

X

Signature of Parent/Guardian Mobile No

#### **UNDERTAKING BY THE STUDENT**

I am aware that the College will deal with students found engaging in ragging / sexual harassment / drugs / smoking in a serious manner, applying the laws and regulations that prevail in the State and Country.

Name & Signature of the Student	

## UNDERTAKING BY THE PARENT/GUARDIAN

I am aware that the College will deal with my ward if he/she is found engaging in ragging / sexual harassment / drugs / smoking, in a serious manner, applying the laws and regulations that prevail in the State and Country.

	Name & Signature of Parent/Guardian
_	



#### LIBRARY UNDERTAKING FORM

I would like to avail the library facilities provided by the Dhempe College of Arts and Science, Miramar - Goa

#### Istate that:

- ➤ I am aware that the reading materials issued by the library should be returned within two days as soon as the semester ends.
- ➤ I am aware that I have to pay the original cost in addition to 20% of the cost of misplaced reading material.three times the amount of misplaced reading material.
- I promise to abide by the rules and regulations of the library.

Name of the Student:	
Signature of the Student:	
Class:	_
Phone No ·	





#### **DHEMPE COLLEGE OF ARTS & SCIENCE**

#### **VISION**

- Learning
   Innovation
   Creation
   Inclusion
- Empowering Society through Holistic Education

#### **MISSION**

To foster participative learning for meaningful knowledgeacquisition.

To instill scientific temper along with humane values for righteous use of education.

To promote applicative research and innovative initiatives.

To develop creativity among students through personality enhancement and skill development programmes.

To generate functional interfaces with society for inclusive growth.

To promote global learning for mutual enrichment.

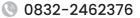


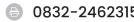


Dempo Charities Trust's

#### **DHEMPE COLLEGE OF ARTS & SCIENCE**

Re-accredited by NAAC with Grade 'A' College with Potential for Excellence





www.dhempecollege.edu.in