



Dempo Charities Trust's

DHEMPE COLLEGE OF ARTS & SCIENCE

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



ISO 9001:2015
CERTIFIED



GREEN LEVEL III
CERTIFIED

PROSPECTUS
2024 - 2025



International Symposium on "Emerging Trends in Chemistry and its allied Sciences"



Two days National Workshop on "Our Dynamic Planet-Climat Change & Navigating the Future", organised in association with NCPOR



Sakura Science Exchange Programme funded by JST at Meijo University, Japan



Conclave 4.0



Our College Staff



NSS



NCC Army and Naval Wing

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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, Vasant Rao 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 extra-curricular 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 has also obtained 91st rank among the Arts Colleges and 102nd rank among the Science Colleges of India in India Today rankings, 2023. Our College is 88th amongst top 100 Science & Arts institutes in Outlook - ICARE ranking 2023.

(4) 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 1st cycle of certification in 2010 and by URS in 2013 in the 2nd cycle of certification for its maintenance of quality standards.

(5) 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. 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 and 2023-24).

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

- 1) ESSO - National Centre For Polar And Ocean Research
- 2) Immunopathology And Therapeutic Immunointervention Inserm (Paris - France)
- 3) Association of Friends of Astronomy
- 4) Cluster of Colleges for Research (under Directorate of Higher Education, Goa)
- 5) Vellalar College for Women, Erode Tamil Nadu

- 6) Faculty of Science & Technology, Meijo University, Japan
- 7) National Association for Blind - Goa State Branch, Goa
- 8) Goa Pharmaceuticals Manufacturers Association, Goa (Collaboration)
- 9) St. Aloysius College
- 10) Goa Institute of Public Administration and Rural Development
- 11) Vanilla Cart
- 12) Cyber Wellness Centre
- 13) Birla Institute of Technology and Science
- 14) Vergo Pharma
- 15) Unichem Laboratories Ltd.
- 16) TechXcl India Private Ltd.
- 17) Sangath, Goa
- 18) IGNITE - EDC Innovation hub
- 19) Aashavadi Prakashan
- 20) Invicta Eduadvice Consultants Pvt. 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 20th June 2022, the Institution completed its 60 years 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.

College received the funds under DBT Star College Scheme to strengthen Science Component at Under graduate level. These funds are utilized for upgradation of laboratories for support research activities, to organise workshops, talks and curriculum based field trips.

Dept. of Physics organised Two - Day National workshop on 'Our Dynamic planet - Climate Change & Navigating the Future' in association with NCPOR.

The Research laboratory is well equipped with the research instruments. The Instruments are procured under the grants received from Rashtriya Uchcharat Shiksha Abhiyan (RUSA) and Dempo Charities Trust, Goa for the purpose research work for the students and faculty members.

I. The research lab has following instruments:

a) Procured under RUSA

1. UV-V-visible spectrophotometer (UV 2600 Shimadzu)
2. FTIR Spectrophotometer (IR Affinity 1S Shimadzu)
3. Atomic Absorption Spectrometer (AA-6880 Shimadzu)
4. Elevator rotary vacuum evaporator (Equiptron).
5. Gas chromatography Instrument (GC-2014 shimadzu)
6. Digital Analytical balance (Vibra)

b) Procured under M.Sc. Analytical chemistry

1. HPLC (Shimadzu, LC-20AD prominence liquid chromatograph, SPD-20A prominence UV-Vis detector) along with multifunctional ultrasonic cleaner (Athena sonicator).
2. Karl Fisher Titrator (KAFI+, LABINDIA)

c) Procured under Grant in aid fund:

1. Polarimeter (Digital polarimeter, CDP-001, Contech

d) Procured under Seminar/workshop fund sponsored by Dempo Charities trust:

- 1) The UV-visible photo reactor.

**Dempo Charities Trust's
Dhempe College of Arts & Science
GOVERNING BOARD
As on 1.4.2024**

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. Sandip Bhandare	Member
8.	Prof. Vrinda P. S. Borker	Principal
9.	Prof. Dr. Manoj S. Kamat	Principal
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 for Excellence

ISO 9001:2015 certified

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

Phone No. (0832) 2462376.

Email: principal@dhempecollege.edu.in

dhempe@rediffmail.com

Website: www.dhempecollege.edu.in

Officiating 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 - 2023-24

PRINCIPAL : Prof. Vrinda Borker

VICE- PRINCIPAL : Dr. Swati Pawar

ARTS DEPARTMENTS

ECONOMICS

Dr. Shilpa Samant

Mr. Edwin Cortez (HoD)

Mr. Narayan Saeel Naik - CB

Ms. Yogini Malvankar - LB

ENGLISH

Ms. Clarinda Dias - (Incharge)

Dr. Akshata Bhat

Dr. Palia Pandit

Dr. Svetlana Fernandes

Ms. Rochelle Fernandes - LB

Ms. Rachi Dessai - LB

HISTORY

Mr. Prajal Sakhardande (HoD)

Mr. Aditya Watve- CB

Mr. Mayur Arolkar - CB

Mr. Jarvis Mascarenhas - LB

INDIAN LANGUAGES

HINDI

Dr. Vaishali Naik

Mr. Akbarali Shaikh - CB

KONKANI

Ms. Anju Sakhardande (HoD)

Ms. Vidita Shet - CB

Mr. Gaurang Bhandiye - CB

Ms. Deepa Raikar - LB

MARATHI

Ms. Radhika Nagvenkar - CB

Ms. Gauri Nadkarni - CB

PHILOSOPHY

Dr. Roshida Rodrigues (HoD)

Ms. Sendra Pereira

Mr. Sanket S. Revankar - CB

POLITICAL SCIENCE

Dr. Karuna Singh-(Incharge)

Mr. Mohit Sukhtankar

Mr. Sainandan Iyer - CB

Mr. Siddesh Kalekar - CB

Ms. Gauri Rao - LB

PSYCHOLOGY

Dr. Mukta Karamadi (HoD)

Dr. Joslyn Henriques

Ms. Pratisha Harmalkar

Dr. Cindy D'Silva - CB

Ms. Sweta Matonkar - CB

Mr. Natalie Fernandes - LB

SCIENCE DEPARTMENTS

BOTANY

Dr. Purnima Ghadi (HoD)
 Dr. Shilpa Bhonsle
 Dr. Pratibha Prabhugaonkar
 Dr. Ashish Prabhugaonkar
 Ms. Sonam Madgaonkar - LB

CHEMISTRY

Prof. Vrinda P.S. Borker (Principal)
 Ms. Varsha Virginkar (HoD)
 Ms. Deepa Audi
 Ms. Manisha Mhalsekar - FIP
 Dr. Durga Timble - M.Sc. Co-ordinator
 Dr. Sonia Parsekar
 Dr. Bhanudas Naik - M.Sc. Co-ordinator
 Dr. Chandan Naik
 Dr. Shashank Mhaldar
 Ms. Dipika Gosavi - CB
 Ms. Sujata Kerkar - CB
 (In place of Ms. Manisha Mhalsekar)
 Ms. Medha Gaude - LB
 Dr. Smita Gupta - LB

COMPUTER SCIENCE

Ms. Annie Rajan - (HoD)
 Ms. Shilpa Naik
 Mr. Snehal Harmalkar
 Ms. Priyadarshani Divkar - CB
 Mr. Senon D'Souza - LB
 Mr. Vibhav Pissurlenkar - LB
 (In place of Ms. Annie Rajan)

GEOLOGY

Mr. D.S. Parab (HoD)
 Dr. Manoj Ibrampurkar (Deputed at DHE)
 Dr. Raghav Gadgil
 Ms. Vinita Mayenkar
 Ms. Neeleema Das - LB
 Ms. Nidhi Arolkar - LB
 Ms. Karuna Suralkar - LB

MATHEMATICS

Ms. Maria Suzana Miranda - HoD
 Dr. Mamta Kumari
 Ms. Rashmi Naik
 Mr. Vitendra Mhatonkar - CB
 Ms. Sujata Thanekar - LB

PHYSICS

Mr. S. S. Burye
 Dr. Swati Pawar (HoD) (Vice Principal)
 Dr. R. Murthy
 Dr. Miskil Naik
 Ms. Siddhi Parsekar
 Ms. Ridhi Alornekar - LB

ZOOLOGY

Ms. Suchana P. Amonkar (HoD)
 Lt. (Dr.) K. K. Therisa
 Dr. Trupti Jadhav
 Ms. Swizel Quodros
 Ms. Prajval Desai - CB
 Ms. Abhed Suresh - LB
 Ms. Anuja Naik (EVS) - LB

BIOTECHNOLOGY (Self Financing)

Ms. Mrunal Phadke - CB
Dr. Amara Begum Mulla - CB
Dr. Preethi Pandit - CB
Mr. Kamlesh Korgaonkar - LB
Dr. Niyati Hede - CB
Ms. Pratibha Tripathi - LB
Ms. Gauri Avdhut Silimkhan - LB
Ms. Monica Ghadi - LB
Dr. Salma Mujawar - LB
Ms. Vandana Sardessai - LB

M. Sc. (ANALYTICAL CHEMISTRY)

(Self Financing)

Dr. Bhanudas Naik (Co-Cordinator)
Dr. Durga Timble (M.Sc. Coordinator)
Dr. Priyanka Bharat Kole - CB
Ms. Geeta Zalmi - CB
Ms. Shubhalaxmi Naik - CB

PHYSICAL EDUCATION DIRECTOR

Mr. Pandurang Naik

LIBRARIAN

Ms. Surekha Katkar

COUNSELLOR

Ms. Aafreen Khan

CB - Contract Basis LB - Lecture Basis

* Details of the teaching staff are available on the College Website.

Dempo Charities Trust's
Dhempe College of Arts & Science

Panaji, Goa

LIST OF ADMINISTRATIVE STAFF - 2023-24

OFFICE

Ms. Agnela Afonso (Head Clerk)
Ms. Rachana Pai (Accountant)
Mr. Gaurang V. Bane (System Administrator)
Mr. Sunil Mochemadkar (U.D.C.)
Ms. Rajasi Gavas (U.D.C.)
Ms. Diksha D. Kalangutkar (Jr. Stenographer)
Ms. Gauri S. Manerkar (L.D.C.)
Mr. Ghanshyam Kankonkar (L.D.C.)
Ms. Fauzia Shaikh (L.D.C.)
Ms. Shubhalaxmi L. S. Assoldekar (L.D.C.)
Mr. Anil Divkar (M. T. S.)
Mr. Vasant Haldankar (M. T. S.)
Mr. Shekar Kauthankar (M. T. S.)
Ms. Aruna Rosario (M.T.S.)

BOTANY

Mr. Dharmendra Jaiswar (Lab. Assistant)
Ms. Priya Madkaikar (M. T. S.)
Mr. Kali Datta Kerkar (M. T. S.)

CHEMISTRY

Ms. Manisha R. Pai Kakode (Store Keeper)
Mr. Thanu Gaude (Lab. Assistant)
Ms. Shreya Vaingankar (Lab. Assistant)

Mr. Pradosh Naik (M. T. S.)
Mr. Pramod Dhuri (M. T. S.)
Mr. Kiran Pokhare (M. T. S.)
Mr. Prakash Ghadi (M. T. S.)

COMPUTER SCIENCE

Ms. Shalini Bhatt (Lab. Assistant)
Ms. Vidhisha Phadte (M. T. S.)

GEOLOGY

Mr. Vijay Kurandwad (Lab. Assistant)
Mr. Yogesh Dhuri (M. T. S.)

PHYSICS

Ms. Nita Shetye (Lab. Technician)
Ms. Swarupa Parab (Lab. Assistant)
Mr. Pravin Shirodkar (M. T. S.)
Mr. Dasu B. Gawas (M. T. S.)

PSYCHOLOGY

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

ZOOLOGY

Mr. Akshay Phadte (Lab. Assistant)
Mr. Shivanand Ibrampurkar (Field Collector)

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. Umesh Basavara Shiraguppi (Lab Attendant)

GYMKHANA

Mr. Sachin Naik (Instructor in Physical Education)

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

LIBRARY

Ms. Akshata Gawas (Librarian Gr I)

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

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

EXAMINATION SECTION

Ms. Amrita Deshpande (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

1. 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 application form on e-Samarth portal.
 - (b) Original School leaving certificate (XIIth Std).
 - (c) Self-attested copy of XIIth Std mark sheet.
 - (d) Self-attested copy of category (SC/ST/OBC/PH/EWS) 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;

- (a) Migration certificate (Original).
 - (b) Provisional eligibility certificate from Goa University (Online copy).
 - (c) 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.

4. 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 OF FOREIGN STUDENTS

Students of Non-Indian nationality should apply for admission through the Indian High Commissioner of their country and through the Goa University.

1) 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 E-Samarth 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 XIIth 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.
- (l) Self-attested copy of Equivalence Certificate.

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

1. Documents required :

- (a) Duly filled Online application form from E-Samarth Portal.
- (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/PH/EWS) certificate (if applicable).
- (e) Self-attested copy of ABC Card.
- (f) 2 passport size photographs.
- (g) Student's personal data.
- (h) Parent - Teacher Association membership form of Dhempe College of Arts and Science.
- (i) Undertaking by the students and parents towards prevention of

ragging / sexual harassment / drugs / smoking.

- (j) Self-attested copy of AADHAAR Card.
- 2. 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 2024-2025

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. No.	Category	Reservation Quota (%)	Class strength/Division		Total (120)
			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
a	Blindness and low vision				
b	Deaf and hard of hearing				
c	Locomotor disability including cerebral palsy, leprosy cured, dwarfism, acid attack victim and muscular dystrophy				
d	Autism, intellectual disability, specific learning disability and mental illness				
e	Multiple disabilities from amongst persons under clauses (a) to (c) including deaf - blindness				
<p>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.</p>					
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

*Subject to approval

Admission for Academic Year 2024-2025

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. No.	Category	Reservation Quota (%)	Class strength/Division		Total (160)
			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
a	Blindness and low vision				
b	Deaf and hard of hearing				
c	Locomotor disability including cerebral palsy, leprosy cured, dwarfism, acid attack victim and muscular dystrophy				
d	Autism, intellectual disability, specific learning disability and mental illness				
e	Multiple disabilities from amongst persons under clauses (a) to (c) including deaf - blindness				
<p>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.</p>					
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

*Subject to approval

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%, EWS (Economically Weaker Section) 10% (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: Botany, Zoology, Biotechnology, Chemistry, Physics, Earth Sciences, Environmental Sciences.

(ii) Mathematics, Statistics, and Computer Applications: Mathematics, Statistics, Computer Applications, Applications Software.

(iii) Humanities and Social Sciences: Economics, History, Political Science, Psychology, Philosophy.

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.

F.Y.B.A. SUBJECT COMBINATIONS
Single Major (1 Major)

Semester I		Semester II	
Major	Minor	Major	Minor
Psychology	Political Science	English	Philosophy
Psychology	English	History	Economics
Political Science	Economics	History	Konkani
Political Science	Psychology	Philosophy	History
English	Philosophy	Psychology	Political Science
English	Konkani	Economics	Philosophy
Economics	Psychology	Konkani	English
Economics	Philosophy	Political Science	Psychology
Philosophy	History	Economics	Psychology
Philosophy	Political Science	Konkani	History
Konkani	English	Philosophy	History
Konkani	History	Psychology	English
History	Konkani	Political Science	Economics
History	Economics	English	Konkani

Double Major(2 Major)

Major	Minor	Major	Minor
Hindi	Political Science	History	Philosophy

Note:

- 1) Admission to the opted combination will be based on the merit list and availability of seats.
- 2) Under Double Major, students have to opt for Hindi and History as a Double Major subject combination.

c) 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.**

Sem I	Sem II
Multidisciplinary Course * choose any one from the subject not taken at HSSC Level	
MAT-131 Mathematical Techniques in Competitive Exams	MAT-132 Descriptive Statistics
CSC-131 Emerging Trends in Computers	CSC-133 Cyber Security Essentials
BOT-131 Kitchen Gardening	BOT-132 Ecosystem Biodiversity
CHC-131 Introduction to chemistry	CHC-131 Introduction to Chemistry
GEO-131 The Dynamic Earth	GEO-132 Physical Geology
PHY-131 History of Physics	PHY-132 Indian Contribution to Physics
ZOO-131 Food, Nutrition and Health	ZOO-133 Public Health and Hygiene

d) 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
	A	C
1	Paper I : Environmental Science and Education I) VAC 100: Environmental Studies I II)VAC 102: Environmental Practices in Goa	Paper III : Digital and Technological Solutions I) VAC 100: Environmental Studies I II)VAC 110: Awareness of Cyber Crimes and Security
	B	D
2	Paper II : Understanding India I) VAC 104: Constitutional Values and Obligations II) VAC 108: Introduction to Folktales of India	Paper IV : Health & Wellness, Yoga Education, Sports and Fitness I) VAC 114: Health and Wellness

e) 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.**

f) 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. Students opting for Political Science Major have to opt for SEC paper other than Political Science.**

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	MC	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 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 N.E.P.**Second Year Bachelor of Arts (S.Y.B.A.)****SEMESTER III and SEMESTER IV****SCHEME OF PAPERS**

Students shall choose courses of their interest in Major and Minor. Students shall undertake courses to strengthen their language and other skills as per NEP. Hindi and Marathi will not be offered as Major/Minor.

CREDIT STRUCTURE

Semester	MajorCore	Minor	MC	AEC	SEC	VAC	Total Credits	Exit
III	Major - 3 (4) Major - 4 (4)	Minor - 3 (4)	MC-3 (3)	AEC-3 (2)	SEC-3 (3)	-	20	-
IV	Major - 5 (4) Major - 6 (4) Major - 7 (4) Major - 8 (2)	Minor - 4 (4)	-	AEC-4 (2)	-	-	20	4

Note:-

1. Major-3, Major-4, etc. are the Major Courses.
2. Minor-3, Minor-4, etc. are the Minor Courses.
3. The students shall undergo one course each from Two different subjects chosen from a broad discipline area as Major and Minor courses in Semester III and IV.
4. Credits are indicated in brackets.
5. Those who exit shall have to do an additional 4 Credit Vocational Course during the summer term.
6. Semester III and IV shall have any one Modern Indian Languages (MIL) under AEC.

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
DSC 1	4	20	80	100
DSC 2	4	20	80	100
DSC 3	4	20	80	100
DSE 1	4	20	80	100
DSE 2	4	20	80	100
DSE 3	4	20	80	100
Grand Total	24	120	480	600

SEMESTER VI	Marks			
	Credits	ISA	SEE	Total
DSC 1	4	20	80	100
DSC 2	4	20	80	100
DSC 3	4	20	80	100
DSE 1	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
DSC 1	4	20	80	100
DSC 2	4	20	80	100
DSE 1	4	20	80	100
DSE 2	4	20	80	100
Grand Total	16	80	320	400

SEMESTER VI	Marks			
	Credits	ISA	SEE	Total
DSC 1	4	20	80	100
DSC 2	4	20	80	100
DSE 1*	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
DSC 1	4	20	80	-	100
DSC 2	3+1	15	60	25	100
DSC 3	4	20	80	-	100
DSE 1	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
DSC 1	4	20	80	-	100
DSC 2	3+1	15	60	25	100
DSC 3	4	20	80	-	100
DSE 1	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: Botany, Zoology, Biotechnology, Chemistry, Physics, Earth Sciences, Environmental Sciences.

(ii) Mathematics, Statistics, and Computer Applications: Mathematics, Statistics, Computer Applications, Applications Software.

(iii) Humanities and Social Sciences: Economics, History, Political Science, Psychology, History, Philosophy.

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.

F. Y. B.Sc SUBJECT COMBINATIONS

	Semester I		Semester II	
	Major	Minor	Major	Minor
Natural and Physical Sciences Mathematics Statistics & Computer Applications	Chemistry	Physics	Zoology	Botany
	Botany	Chemistry	Zoology	Geology
	Chemistry	Zoology	Geology	Statistics
	Chemistry	Zoology	Botany	Physics
	Botany	Geology	Chemistry	Physics
	Zoology	Chemistry	Geology	Botany
	Geology	Botany	Chemistry	Zoology
	Physics	Mathematics	Chemistry	Geology
	Zoology	Botany	Physics	Chemistry
	Mathematics	Computer Science	Computer Applications	Chemistry
	Computer Science	Mathematics	Physics	Computer Applications
	Physics	Computer Science	Mathematics	Computer Applications
Biotechnology	Biotechnology	Zoology	Microbiology	Chemistry

Note:

- 1) Admission to the opted combination will be based on the merit list and availability of seats.
- 2) Computer Applications and Statistics will not be offered as Major/Minor at S.Y.BSc.

c) **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.

Sem I	Sem II
Multidisciplinary Course * choose any one from the subject not taken at HSSC Level	
ECO-131 Sustainable Development	ECO-132 Globalisation
HIS-131 Indigenous Heritage of Goa	HIS-132 Women in Goan History
PHI-131 Ethics and Contemporary Social Issues	PHI-132 Introduction to Human Rights
POL-131 Contemporary Issues in India	POL-132 Environmental Psychology
PSY-131 Psychology of Adjustment	PSY-132 Psychology of Adjustment
Biotechnology	
ECO-131 Sustainable Development	MAG-132 Management Studies

d) 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
	C	A
1	Paper III : Digital and Technological Solutions I) VAC 100: Environmental Studies 1 II) VAC 110: Awareness of Cyber Crimes and Security	Paper I : Environmental Science and Education I) VAC 100: Environmental Studies 1 II) VAC 102: Environmental Practices in Goa
	D	B
2	Paper IV : Health & Wellness, Yoga Education, Sports and Fitness I) VAC 114: Health and Wellness	Paper II : Understanding India I) VAC 104: Constitutional Values and Obligations II) VAC 108: Introduction to Folktales of India III) VAC 109: Indian Economic Thought

e) 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.**

f) 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	MC	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 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 SCIENCE (B.Sc.) UNDER N.E.P.
Second Year Bachelor of Science (S.Y.B.Sc.)

SEMESTER III and SEMESTER IV

SCHEME OF PAPERS

Students shall choose courses of their interest in Major and Minor. Students shall undertake courses to strengthen their language and other skills as per NEP.

CREDIT STRUCTURE

Semester	MajorCore	Minor	MC	AEC	SEC	VAC	Total Credits	Exit
III	Major - 3 (4) Major - 4 (4)	Minor - 3 (4)	MC-3 (3)	AEC-3 (2)	SEC-3 (3)	-	20	-
IV	Major - 5 (4) Major - 6 (4) Major - 7 (4) Major - 8 (2)	Minor - 4 (4)	-	AEC-4 (2)	-	-	20	4

Note:-

1. Major-3, Major-4, etc. are the Major Courses.
2. Minor-3, Minor-4, etc. are the Minor Courses.
3. The students shall undergo one course each from two different subjects chosen from a broad discipline area as Major and Minor courses in Semester III and IV.
4. Credits are indicated in brackets.
5. Those who exit shall have to do an additional 4 Credit Vocational Course during the summer term.
6. Semester III and IV shall have any one Modern Indian Languages (MIL) under AEC.

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

Total Credits: 26

SEMESTER	Credits	Marks			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	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 12th 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 12th 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 12th 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 12th 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 12th February, 2019) Deleted

(iv) (Effective from 12th 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 12th 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 12th 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 12th 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 12th 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 12th 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 12th 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 12th 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 (UNDER CBCS)**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 monitor 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:

$$SGPA (S_i) = \frac{\sum (C_i \times G_i)}{\sum C_i}$$

Where C_i number of Credits of the Course and G_i 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:

$$\text{CGPA} = \frac{\sum (C_i \times S_i)}{\sum C_i}$$

Where S_i is the SGPA of the Semester and C_i 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.

EXAMINATION ORDINANCES (UNDER NEP)**OA-38.14****SCHEME OF EXAMINATION**

The Scheme of Examination shall be as follows:

(i) Evaluation shall be based on continuous assessment, in which Intra-Semester Assessment (ISA) and Semester End Assessment (SEA) will contribute to the final grade. ISA will consist of class tests, mid-Semester examination(s), homework assignments, and such other modes of evaluation, as determined by the faculty in charge of the courses of study. Progress towards achievement of learning outcomes will be assessed using the following: time-constrained examinations; closed-book and open book tests; problem-based assignments; practical assignment, laboratory reports; observation of practical skills; individual project reports (case-study reports); team project reports; oral presentations, including seminar presentation; viva voce; computerized adaptive assessment, surprise test, modular certifications, and any other modes of assessment.

(ii) The evaluation for the Courses shall comprise of ISA and the SEA.

(a) One Credit shall carry 25 marks.

(b) The ISA shall carry 20% of maximum marks allotted for the Course, and SEA shall carry 80% marks. A Course of Four Credits for total of 100 marks, having only Theory, shall have ISA for 20 marks and SEA for 80 marks.

(c) There shall be no ISA for the One Credit Practical Component of Four Credit Courses. A Four Credit Course (100 marks) comprising Theory (Three Credits) and Practical (One Credit) shall have ISAs only for the Theory Component (15 Marks), and SEA Theory Component (60 marks). The One Credit Practical Component has only SEA (25 marks).

(d) There shall be no ISA for a One Credit Practical Course.

(e) In case of Two-Four Credit Practical Courses, the ISA shall have 20%

weightage and SEA 80%.

(f) Courses of any other number of Credits shall have a proportionate marking system.

(iii) Intra-Semester Assessment (ISA)

There shall be three ISAs in a given Semester for the theory Component of each Course of 2 Credits and above, of which a minimum of 50% shall be evidence based. The two best scores shall be considered for the final ISA marks for papers of 2 Credits and above. For a course of one Credit the best score out of two ISAs shall be considered. ISAs may be through a written test or any other alternative mode of evaluation, including assignments, presentations, oral or online test, MCQs, open book test, and any other mode of assessment.

(a) 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 ISA schedule shall be notified at the beginning of the Semester.

(d) ISA marks shall be communicated to students within two weeks of the ISA.

(e) Ordinarily, ISA-I shall be completed by the end of the Fifth week after the commencement of the Semester and ISA-II by the end of the Tenth week of the Semester.

(f) Students who fail to appear for an ISA due to a genuine reason shall be given another opportunity, to complete the ISA.

(g) There shall be a Committee appointed to monitor the conduct of ISAs.

(h) To be eligible to appear for the Semester End Assessment (SEA), a student shall be required to appear for a minimum of two ISAs in each Course.

(iv) Semester End Assessment (SEA)

(a) SEAs shall be conducted at the conclusion of every Semester, and shall

cover the entire syllabus prescribed for the respective Course.

(b) A student shall be considered to have successfully fulfilled the requirements of a Semester to be eligible to appear for the SEA provided the student has appeared for two ISAs in a Course, and fulfils the minimum attendance requirements as per the relevant rules of the University. A student failing to fulfil these conditions shall have to repeat the course.

(c) The detailed procedure for the conduct of SEA and subsequent assessment shall be as notified by the University.

(d) The pattern of question paper(s) to be set for the SEA in a given course and the scheme of marking shall be decided by the respective BoS. For this purpose, the BoS shall frame specimen question paper(s) in the various courses concerned for the information of the students. Similarly, for practical examinations, the number of laboratory exercises, marks distribution for each exercise and other relevant details shall be decided by the respective BoS.

(e) To pass a Course a student shall have to obtain a minimum of 40% in ISA and SEA together.

There is no separate passing for ISA and SEA.

(f) The duration of SEA theory paper carrying up to 40 marks shall be 1 hour, and papers of above 40 and up to 80 marks shall be of 2 hours duration.

(g) Supplementary exams shall be held at the end of the academic year immediately after SEA.

(v) Paper Setting

The detailed procedure for the paper setting of shall be notified by the University.

(vi) SWAYAM Courses

Students shall have the option to earn up to 40% of the Credits through online SWAYAM Courses recommended by the Board of Studies and

approved by Academic Council preferably in the beginning of each Semester. Students shall inform Programme Director/Head of the Department before registering for the SWAYAM Courses. The certificates/marks obtained by the students after successful completion of SWAYAM course/s has to be forwarded to the Controller of Examination along with Semester marks through the Principal of the College/Dean of the Schools for uploading the Credits in the Academic Bank of Credits (ABC) account of the student.

(vii) Students shall be permitted to opt Credits/Course from any other Colleges/Institutions affiliated to the University. The assessment and evaluation of the Course shall be conducted by the concerned College/Institution offering the Course, the Institution shall be responsible for forwarding the marks to the parent institution where student is enrolled for the Programme for further processing.

OA-38.14.1

PRACTICAL EXAMINATION

(i) Conduct of Examination

(a) Examination(s) in Laboratory exercises shall be conducted for Courses with a practical component. Marks will be allotted as follows: Experiment (including Field Work) 60%, Journal/Record Book 20%, Oral Examination 20%. A student shall be permitted to appear for the practical examination only if she/he submits her/his journal duly certified by the teacher(s) teaching the Course and the concerned Head of the Department/Programme Director.

(b) To assess the student s performance in the assigned experiment, the examiner shall take into account the planning, procedure, techniques followed, readings/observations, results and the presentation.

(c) Students shall be required to submit the journal/record book before the practical examination. Examiner(s) shall take into account the regularity of the student in attending the Laboratory Course, completeness of the exercises and presentation and format of the journal. For subjects having field work component, the student 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 marks.

(d) In the oral examination, examiner(s) shall assess the knowledge of a student in the Course as well as during the experiment(s) performed.

(e) Record of the breakup of marks obtained by the student for Semesters I to VII for the examinations conducted by the College, shall be maintained by the College in a sealed envelope for a minimum period of one year.

(f) A student unable to appear for the practical examination on medical or other genuine grounds may be permitted to appear for a practical examination out of turn, irrespective of the timetable and the batch allotted to him/her, in the examination. This out of turn appearance may be in the same Institution or in a different Institution. Such permission shall be granted by the University if recommended by the respective Dean or Principal of the College. The student shall be required to remit the requisite fee for this out of turn examination.

OA-38.14.2

EVALUATION OF DISSERTATION

The Research Supervisor along with the faculty members of the concerned Discipline shall assess the Dissertation work as per the components below:

(i) Research Conceptualization: The Research Conceptualization shall have only one assessment component of 100 marks at the beginning of the Semester VIII for the Four-Year Undergraduate Degree Programme which shall be in the form of a presentation of the research frame, identification of the research gap through a review of literature and availability of data, compiled by the student in Semester VII. 50% of the marks shall be awarded by the Research Supervisor and 50% by the faculty members of the Department/Discipline.

(ii) Research Mentoring: -

The Research Supervisor shall continuously monitor the progress of research work, evidenced by attendance over Semesters VII and VIII, and shall award marks for research work and the Research Report submitted by the student out of 100 marks. The Research Supervisor shall also take into account the student's discipline, sincerity, interest and performance.

(iii) Research Report:

The Research Report shall also be evaluated by an External Examiner for 100 marks. The External Examiner shall be a PhD holder in the concerned subject.

(iv) A student who fails in the Dissertation shall have to resubmit the Dissertation after incorporating changes suggested by the External Examiner. If there is further rejection of the Dissertation, the candidate shall have to change the topic of Dissertation in consultation with a guide and submit in the next Semester.

(v) Evaluation of Internship:

(a) The modalities of internal evaluation shall be decided by BoS.

(b) The students on internship shall be under the mentorship of faculty member/s. The mentor faculty shall orient the students on Internship and outline the expected learning outcomes from Internship. The mentor faculty shall be expected to monitor and periodically assess the progress.

(c) There shall be an ISA component of 20% marks and SEA component of 80% marks.

(d) The faculty mentoring the student shall assign ISA marks based on the feedback obtained from company/organization and the domain knowledge, skill set, best practices learned by the student at the organisation/company and such others. BoS can devise suitable evaluation techniques to assess the ISA component.

(e) SEA marks shall be based on Internship Report and presentation and shall be decided by the Department/Discipline faculty members. The Internship Report shall be prepared in line with the Dissertation report for the purpose of evaluation.

(f) For BBA and BCA, Internship in lieu of each VET course shall be assessed for 100 marks with ISA and SEA components.

(g) The scheme of evaluation of Exit requirement of 4 Credits shall be as per OA-3814.2(v)©.

OA-38.14.3

EVALUATION OF PROJECTS OFFERED AT SEMESTER VI.

(i) A Project, in lieu of a Major Course, shall be offered in Semester VI. Ideally, the Project shall be a Group Project with a maximum of five students per group. A teacher shall not ordinarily be assigned more than two Projects. The Project workload will be two hours per Project per week for a group of four or more students. For a group of three or less students the workload will be one hour per week per Project.

(ii) Project and the Report shall be based on field work/library work /laboratory work/ on-the-job training or similar work assigned by the teacher.

(iii) The Project Supervisor shall ensure that the content in the Project Report is not plagiarized.

(iv) The assessment of the Project shall be done by the Internal Examiner (Project Supervisor for 20 marks) and External Examiner (for 80 marks) as

per the Guidelines defined in the Project Manual.

OA-38.14.4

VERIFICATION AND REVALUATION OF MARKS.

- (i) Revaluation of SEA answer books in Semesters I to VIII shall be permitted as per the existing provisions of OA-5.15 for Revaluation/Verification.
- (ii) All grievances pertaining to ISA marks shall be dealt with by the Grievance Committee of the College before sending the ISA marks to the University.
- (iii) ISA marks shall be submitted to the University within 20 days of the conduct of the last ISA.
- (iv) Verification of only SEA theory papers is permitted.

OA-38.14.5

IMPROVEMENT OF PERFORMANCE

- (i) Improvement of Performance shall be permitted to a student who has passed the UG Degree Examination. The student shall be required to appear again only in the SEA component of the papers of Semesters I to VIII Examinations, excluding the Project, Dissertation, Internship, and Practical component. For this purpose, the marks scored at the first appearance in the Project/Dissertation, as also in the ISA component of the other Courses, shall be carried forward for tabulation of the result under improvement of performance.
- (ii) Students are permitted to appear for improvement in any five Major (Core) courses for improvement.
- (iii) Students shall appear for the improvement examinations along with the regular students.
- (iv) The performance of a student, who appears under this provision and fails to improve, shall be ignored.
- (v) The student availing of this provision shall be considered to have passed under improvement and this fact shall be recorded in the statements of

marks

and other relevant documents.

(vi) The student 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.

(vii) A student can appear for improvement only once in a Course under this clause.

(viii) Students may seek improvement of performance no later than two years after the declaration of final results for the award of Certificate or Diploma or Degree, but within 7 years of the total duration of the Programme. A student shall not be eligible to apply for improvement of performance during the pursuance of a Programme.

OA-38.15

AWARD OF GRADES

Award of Grades shall be as per Ordinance OA - 16.

Schedule of College Fees 2024-2025
(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	-----	-----	-----	-----
Tuition 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.)
5. 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
6. Registration/enrolment fee for students from other University (NRI/ICCR/Foreign University) is Rs 3,860.00.

Schedule of College Fees 2024-25
(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	-----	-----	-----	-----	-----	-----
Tuition 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) Tutition 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 2024-25, 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	695.00
2	Eligibility Fees for Foreign students	4,190.00
3	Transfer Certificate	50.00
4	Migration Certificate	580.00
5	Duplicate Migration Certificate	695.00
6	Cancellation of Migration Certificate (after 6 months)	295.00
7	One time admission fees for Foreign students	41,685.00
8	Issue of NOC for transfer of internship	1200.00
9	Late fees for applying Provisional Eligibility Certificate (for every delayed month)	135.00
10	Registration/Enrollment fee	
a	Students from Goa Board / Other Board in India	695.00
b	Students from Other Boards / ICCR / NRI / Foreign students	695.00
c	Students from Other University (NRI / ICCR / Foreign University)	4,055.00
d	Goa University with Permanent Registration Number	695.00
e	Goa University without P. R. Number/ Ex-Migration student	1,395.00
f	Late fee for Registration/Enrollment per student (per month)	135.00 (But not exceeding Rs. 1000.00)

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. (under NEP from 2023-24)	I	Major	ECO 100	Introduction to Economics I	4
		Minor	ECO 112	Understanding Indian Economic Policy	4
		SEC	ECO 142	Introduction to Entrepreneurship	1+2
		MC	ECO-131	Sustainable Development	3
		VAC	VAC 109	Indian Economic Thought	2
	II	Major	ECO 100	Introduction to Economics I	4
		Minor	ECO 112	Understanding Indian Economic Policy	4
		SEC	ECO 142	Introduction to Entrepreneurship	1+2
		MC	ECO-132	Globalisation	3
		SY. *(under NEP from 2024-25)	III	Major	ECO-200
Major	ECO-201			Macroeconomics I	4
Minor	ECO-211			Primary Survey and Analysis	4
MC	ECO-233			Managerial Economics	3
SEC	ECO-242			Entrepreneurship Development	1+2
IV	Major		ECO-202	Microeconomics II	4
	Major		ECO-203	Macroeconomics II	4
	Major		ECO-204	Indian Economy	4
	Major		ECO-205	Development Economics I (Part I)	2
	Minor		ECO-221	Decision Making with Spreadsheet	4
TY. (under CBCS from 2017-18)	V	DSC	ECC105	Indian Economy I	4
		DSC	ECC107	Public Finance I	4
		DSC	ECC109	International Economics I	4
		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
	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

Single major (1 Major) will be offered in the fourth year subject to approval from Goa University and DHE

ENGLISH

Class	Semester	Paper	Paper Code	Paper Title	Credits
F.Y. (under NEP from 2023-24)	I	Major	ENG -100	Introduction to English Literature	4
		Minor	ENG -111	Science Fiction in English	4
		SEC	ENG -141	Soft Skills	1+2
		AEC	ENG -151	Communicative English: Spoken and Written	2
		VAC	VAC -108	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. *(under NEP from 2024-25)	III	Major	ENG- 200
Major	ENG-201			Goan Literature in English Translation	4
Minor	ENG -211			World Literatures	4
SEC	ENG-242			Text and performance in English	3
IV	Major		ENG-202	British Literature: 18 th and 19 th century	4
	Major		ENG-203	Ecology and Literature	4
	Major		ENG-204	Diasporic Goan Literature	4
	Major		ENG-205	Dalit Literature	4
	Minor		ENG-221	News Reporting and Editing	4
	T.Y. (under CBCS from 2017-18)		V	DSC	ENC 105
DSC		ENC 106		Modern European Drama	4
DSC		ENC 110		British Literature: Early 20th Century	4
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
		DSC	ENC 109	Women's Writing	4
		DSC	ENC 101	Popular Literature	4
VI		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	

Single major (1 Major) will be offered in the fourth year subject to approval from Goa University and DHE

HISTORY

Class	Semester	Paper	Paper Code	Paper Title	Credits
F.Y. (under NEP from 2023-24)	I	Major	HIS – 100	History of Goa (From Early Times to Liberation)	4
		Minor	HIS – 111	Resistance to Colonial rule in Goa	4
		SEC	HIS – 141	Introduction to Archaeology	3
	II	Major	HIS – 100	History of Goa (From Early Times to Liberation)	4
		Minor	HIS – 112	Goa Since Liberation	4
		SEC	HIS – 142	Introduction to Museology	3
S.Y. *(under NEP from 2024-25)	III	Major	HIS-200	History of Ancient India from earliest times to 8th century CE	4
		Double			
		Major	HIS-201	History of South India (4 th to 16 th century)	4
	IV	Minor	HIS 211	History of Food in India	4
		SEC	HIS-241	History, Feature writing and Journalism	1 + 2
		MC	HIS-231	History of Ecology and Environment in India	3
		Major	HIS-202	History of India (1206-1707 CE)	4
		Major	HIS-203	History of the Marathas(1630-1818 CE)-I	4
		Double			
		Major	HIS-204	India's Struggle for Freedom (1857-1947)	4
		Major	HIS-205	Ancient Civilizations Egypt and Greece (Earliest Times to 500 CE)	2
		Minor	HIS-221	Heritage Tourism in India (VET)	4
	V	Exit	HIS-261	Heritage Tourism in India	4
		DSC ^{HNR & GEN}	HSC 105	Indian National Movement (1857-1947)	4
		DSC	HSC 106	History of Marathas (1630- 1818)	4
DSC		HSC 107	World Revolutions	4	
DSE ^{HNR & GEN}		HSD 101	History of Goa (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		DSC ^{HNR & GEN}	HSC 108	India Since Independence (1947-2000)	4
		DSC	HSC 109	History of Women's Movement	4
		DSC	HSC 110	History of Modern Europe (1815-1945)	4
		DSE ^{HNR & GEN}	HSD 106	History of Modern Japan (1852-1963)	4
		DSE	HSD 107	History of U.S.A. (1861-1963)	4
	DSE	HSP 111	Project Work	4	

Single and Double Major (1 & 2 Major) will be offered in the fourth year subject to approval from GU and DHE

INDIAN LANGUAGES

HINDI

Class	Semester	Paper	Paper Code	Paper Title	Credits
F.Y. (under NEP from 2023-24)	I	Double Major	HIN 100	हिंदी कहानी साहित्य: परिचयात्मक अध्ययन (Hindi Story Literature: Introductory Study)	4
S.Y. *(under NEP from 2024-25)	III	AEC	HIN-251	भाषा कौशल	2
	IV	AEC	HIN-252	संभाषणकौशल	2
T.Y. (under CBCS from 2017-18)	V	DSC	HNC 105	Aadhunik Hindi Kavya Ka Itihaas	4
		DSE	HND 101	Rachnatmak Lekhan	4
	VI	DSC	HNC 108	Swatantryottar Hindi Gadya	4
		DSE	HND 104	Prayojanmoolak Hindi	4

Double Major (2 Major) will be offered in the fourth year subject to approval from Goa University and DHE

INDIAN LANGUAGES

KONKANI

Class	Semester	Paper	Paper Code	Paper Title	Credits
F.Y. (under NEP from 2023-24)	I	Major	KON-100	कोंकणी कथा परिचय An Introduction to Konkani Short Story	4
		Minor	KON-111	कोंकणी विनोदी निबंद Humorous Essays in Konkani	4
		SEC	KON-141	म्हायतीपट लेखन आनी निर्मिती प्रक्रिया Documentary: Script Writing and Production Process	1+2
S.Y. *(under NEP from 2024-25)	II	Major	KON-100	कोंकणी कथा परिचय An Introduction to Konkani Short Story	4
		Minor	KON-112	कोंकणी लोककलांची वळख An Introduction to Goan Folk Art	4
		SEC	KON-142	सुत्रसंचालन कौशल्यां Anchoring Skills	1+2
	III	Major	KON-200	नाटक : सिध्दांत आनी उपयोजन Drama: Theory and Application	4
		Major	KON-201	प्रसार माध्यमांखातीर लेखन Writing for Media	4
		Minor	KON-211	गोंयचे परंपरीक वेवसाय Traditional Occupations of Goa	4
	IV	AEC	KON-251	संभाषण कौशल्य Communication Skills	2
		Major	KON-202	कोंकणी कविता : सिध्दांतआनी उपयोजन Konkani Poetry: Theory & Application	4
		Major	KON-203	कोंकणींतलें बाल साहित्य Children Literature in Konkani	4
		Major	KON-204	कोंकणी तियात्राचो रुपबंद आनी इतिहास Structure and History of Konkani Tiatr	4
		Major	KON-205	कोंकणी नेमाळ्यांचो इतिहास History of Konkani Periodicals	2
		Minor	KON-221	कोंकणीचो संगणकी वापर Computer Usage of Konkani (VET)	3T + 1P
		AEC	KON-252	कोंकणी भाशेचें मुळावें गिन्यान Basic Knowledge of Konkani	2
		EXIT	KON-261	सुत्रसंचालन आनी मुलाखत कौशल्यां (Anchoring & Interviewing Skills)	4

KONKANI

Class	Semester	Paper	Paper Code	Paper Title	Credits
T. Y. B.A. / HNR (under CBCS from 2017-18)	V	DSC ^{HNR & GEN}	KOC 105	Konkani Bhas Ani Sahityacho Itihas (10vya te 19vya Shenkddeameren)	4
	V	DSC	KOC 106	Bharatiya Kavyashastr	4
	V	DSC	KOC 107	Venchik Konkani Kadambarecho Abhyas	4
	V	DSE ^{HNR & GEN}	KOD 101	Prashasakiy Vevharantli Konkani	4
	V	DSE	KOD 102	Bhasvidnyanachi Vallakh	4
	V	DSE	KOD 103	Bakibab Borkar Hanchea Konkani Kavitancho Abhyas	4
	VI	DSC ^{HNR & GEN}	KOC 108	Adhunik Konkani Sahityacho Itihas (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 & GEN}	KOD 104	Lok Vevharantli Konkani Bhas	4
	VI	DSE	KOD 105	Konkani Bhashecho Vyakarannik Abhyas	4
	VI	DSP	KOP 101	Project Paper	4

Single major (1 Major) will be offered in the fourth year subject to approval from Goa University and DHE

INDIAN LANGUAGES

MARATHI

Class	Semester	Paper	Paper Code	Paper Title	Credits
S.Y. (under NEP from 2024-25)	III	AEC	MAR-251	व्यक्तिमत्व विकास	2
	IV	AEC	MAR-252	ग्रंथपरीक्षण	2
T.Y. (under CBCS from 2017-18)	V	DSC	MRC 105	प्राचीन मराठी वाङ्मयाचा इतिहास (भाग १) History of Marathi Literature Part I	4
		DSE	MRD 103	प्रसार माध्यमासाठी लेखन कौशल्य 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

PHILOSOPHY

Class	Semester	Paper	Paper Code	Paper Title	Credits
F.Y. (under NEP from 2023-24)	I	Major	PHI-100	Introduction to Philosophy	4
		Minor	PHI-111	Environmental Philosophy	4
		SEC	PHI-141	Introduction to Logic	3
		MC	PHI-131	Ethics & Contemporary Social Issues	3
		VAC	VAC-102	Environmental Practices in Goa	2
	II	Major	PHI-100	Introduction to Philosophy	4
		Minor	PHI-111	Environmental Philosophy	4
		SEC	PHI-142	Practical Reasoning	3
		MC	PHI-132	Introduction to Feminist Consciousness	3
		S.Y. *(under NEP from 2024-25)	III	Major	PHI-200
Major	PHI -201			Introduction to Epistemology	4
Minor	PHI -211			Philosophy of Values	4
MC	PHI-231			Philosophy of Human Rights	3
IV	SEC		PHI-241	Critical Reasoning	3
	Major		PHI-202	Political Philosophy	4
	Major		PHI-203	Introduction to Metaphysics	4
	Major		PHI-204	Ancient Indian Philosophy	4
	Major		PHI-205	Pre-Socratic thinkers	2
	Minor		VET	PHI 212	Research Ethics
T.Y. (under CBCS from 2017-18)	V	DSC 5	PIC 105	History of Ideas-I	4
		DSC 6	PIC 107	Philosophy of Mind-I	4
		DSC 7	PIC 109	Inductive Logic	4
		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	DSC 8	PIC 106	History of Ideas-II
	DSC 9		PIC 108	Philosophy of Mind-II	4
	DSC 10		PIC 110	Deductive Logic	4
	DSE 4		PID 102	Applied Ethics-II	4
	DSE 5		PID 104	Philosophy of Religion-II	4
	DSP		PIP 101	Project work	4

Single major (1 Major) will be offered in the fourth year subject to approval from Goa University and DHE

POLITICAL SCIENCE

Class	Semester	Paper	Paper Code	Paper Title	Credits	
F.Y (under NEP from 2023-24)	I	Major	POL 100	Introduction to Political Theory	4	
		Minor	POL-111	Basic Concepts in Political Science	4	
	II	VAC	VAC- 104	Constitutional Values and Obligations	2	
		Major	POL 100	Introduction to Political Theory	4	
		Minor	POL-111	Basic Concepts in Political Science	4	
S.Y. *(under NEP from 2024-25)	III	Major	POL-200	Indian Constitution	4	
		Major	POL-201	International Relations	4	
		Minor	POL-211	Political & Social Issues in India	4	
		MC	POL-231	Contemporary Global Issues	3	
		SEC	POL-241	Local Self Governments in India	3	
	IV	Major	POL-202	Public Administration	4	
		Major	POL-203	Government and Politics in Goa	4	
		Major	POL-204	Gender & Women Empowerment	4	
		Major	POL- 205	Politics in Digital Age	2	
		Minor	VET	POL-221	Community Engagement and Political Participation	4
	T.Y. (under CBCS from 2017-18)	V	DSC	POC 105	Western Political Thinkers (Plato to Locke)	4
			DSC	POC 107	Indian Political Thinkers (Kautilya to Vivekananda)	4
			DSC	POC 109	Government & Politics of Goa (Union Territory Phase 1961-1987)	4
			DSE	POD 101	International Relations	4
			DSE	POD 103	Public Administration	4
VI		DSE	POD 105	Comparative Government	4	
		DSC	POC 106	Western Political Thinkers (Rousseau to Marx)	4	
		DSC	POC 108	Indian Political Thinkers (Gandhi to Lohia)	4	
		DSC	POC 110	Government & Politics of Goa (Post Statehood)	4	
		DSE	POD 102	India's Foreign Policy	4	
DSE	POD 104	Indian Administration	4			
DSE	UPOP	Project work	4			

Single major (1 Major) will be offered in the fourth year subject to approval from Goa University and DHE

PSYCHOLOGY

Class	Semester	Paper	Paper Code	Paper Title	Credits
F.Y. (under NEP from 2023-24)	I	Major	PSY 100	Essentials of Psychology	3+1
		Minor	PSY 111	Child Psychology	4
		SEC	PSY 141	Personality Development	1+2
	II	Major	PSY 100	Essentials of Psychology	3+1
		Minor	PSY 112	Child Psychology	4
		SEC	PSY 142	Stress Management	1+2
VAC		VAC- 114	Health and Wellness	2	
S.Y. *(under NEP from 2024-25)	III	Major	PSY-200	Attitudes and Social Cognition	3+1
		Major	PSY-201	Health Psychology	4
		Minor	PSY-211	Adolescent Psychology	4
		MC	PSY-231	Relationship Psychology	3
		SEC	PSY-241	Developing Psychological Skills	1+2
	IV	Major	PSY-202	Social Influences and Group Processes	3+1
		Major	PSY-203	Positive Psychology	4
		Major	PSY-204	Human Factors at Work	4
		Major	PSY205	Psychology of Aging	2
		Minor	PSY212	Sports Psychology	4
T.Y. (under CBCS from 2017-18)	V	DSC	PSC 105	Understanding Psychological Disorders	4
		DSC	PSC 106	Psychological Testing	3+1
		DSC	PSC 107	Positive Psychology	4
		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
	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

Single major (1 Major) will be offered in the fourth year subject to approval from Goa University and DHE

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

BACHELOR OF SCIENCE

BOTANY

Class	Semester	Paper	Paper Code	Paper Title	Credits
F.Y. *(under NEP from 2023-24)	I	Major	BOT-100	Fundamentals of Botany	3+1
		Minor	BOT-111	Plants in everyday life	4
		SEC-1	BOT-141	Nursery and Gardening	1+2
	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
S.Y.* *(under NEP from 2024-25)	III	Exit	BOT-161	Floriculture	1+3
		Major	BOT-200	Diversity of Microbes and Non-flowering plants.	3+1
	IV	Major	BOT-201	Plant Physiology	3+1
		Minor	BOT-211	Plant –Animal interactions	3+1
		MC	BOT-231	Plant Propagation Methods	3
		SEC	BOT-241	Herbal Technology	1+2
		Major	BOT-202	Anatomy and Reproductive Biology of Flowering Plants	3+1
	V	Major	BOT-203	Cell Biology and Plant Biochemistry	3+1
		Major	BOT-204	Biofertilizers	3+1
		Major	BOT-205	Palynology	1+1
		Minor (VET)	BOT-222	Ecotourism	2+2
		DSC	BOC-105	Classical Taxonomy and Phylogeny	4+2
T.Y.* (under CBCS from 2017-18)	VI	DSC	BOC-106	Cell Biology and Plant Biochemistry	4+2
		DSC	BOC-107	Microbiology and Plant Pathology	4+2
		DSE	BOD-101	Plant Tissue culture	3+1
		DSE	BOD-103	Economic and Medicinal Botany	3+1
		DSC	BOC-108	Cytogenetics and Plant Breeding	4+2
	VII	DSC	BOC-109	Molecular Biology and Genetic Engineering	4+2
		DSC	BOC-110	Plant Ecology and Phytogeography	4+2
		DSE	BOD-104	Biofertilizers	3+1
		DSP	BOP-101	Project Work	4

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CHEMISTRY

Class	Semester	Paper	Paper Code	Paper Title	Credits	
F.Y.(Under NEP From 2023-24)	I	Major	CHC-100	Fundamentals of Chemistry	3+1	
		Minor	CHC-111	Basic Concepts in Chemistry	4	
		SEC	CHC-141	Water and Soil Analysis	1+2	
	II	Major	CHC-100	Fundamentals of Chemistry	3+1	
		Minor	CHC-111	Basic Concepts in Chemistry	4	
		SEC	CHC-143	Chemistry of Cosmetics and Perfumes	1+2	
	S.Y* (under NEP from 2024-25)	III	Major	CHC-200	Concepts in Inorganic and Physical Chemistry	3+1
			Major	CHC-201	Concepts in Organic and Analytical Chemistry	3+1
			Minor	CHC-211	Basic Industrial Chemistry	4
		IV	MC	CHC-231	Environmental Sustainability: Natural resources and human ethics	3
			SEC	CHC-241	Mathematical Aspects and Computers in Chemistry	1+2
			SEC	CHC-242	Introductory skills in Green Chemistry	1+2
SEC			CHC-243	Drug Synthesis and Analysis	1+2	
Major			CHC-202	Organic Chemistry-I	3+1	
Major			CHC-203	Inorganic Chemistry-I	3+1	
Major			CHC-204	Physical Chemistry-I	3+1	
Major			CHC-205	Pharmaceutical Chemistry-I	2	
Minor						
T.Y (under CBCS from 2017-18)	V	Vocational	CHC-221	Basics of Chemical Laboratory Management	3+1	
		Exit	CHC-162	Basic Techniques in Qualitative and Quantitative Analysis	1+3	
		DSC 5	CHC 105	Physical Chemistry	4+2	
		DSC 6	CHC 106	Inorganic Chemistry	4+2	
		DSC 7	CHC 107	Organic Chemistry	4+2	
		DSE 1	CHD 101	Basic Topics in Analytical Chemistry	3+1	
	VI	DSE 2	CHD 102	Green Methods and Safety Aspects in Chemistry	4	
		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	

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COMPUTER SCIENCE

Class	Semester	Paper	Paper Code	Paper Title	Credits
F.Y. (under NEP from 2023-24)	I	Major	CSA-100	Introduction to Computational Thinking and Programming	4
		Minor	CSC-112	Computer Software Fundamentals	4
		SEC	CSC-142	Multimedia and Web Design	1+2
	II	VAC	VAC-110	Awareness of Cyber Crimes and Security	2
		Major	CSA-100	Introduction to Computational Thinking and Programming	4
		Minor	CSC-112	Computer Software Fundamentals	4
S.Y. *(under NEP from 2024-25)	III	SEC	CSC-146	Basics of Python Programming	1+2
		VAC	VAC-110	Awareness of Cyber Crimes and Security	2
		Major	CSA-100	Introduction to Computational Thinking and Programming	4
	IV	Major	CSC-200	Programming using C ++	3 + 1
		Major	CSC-201	Mathematical Foundations for Computer Science	3 + 1
		Minor	CSC-211	Problem Solving and Programming Concepts	3 + 1
		MC	CSC-231	Web Designing	3
	V	SEC	CSC-241	Mobile App Development	1 + 2
		Major	CSC-202	Data Structures and Algorithms	3 + 1
		Major	CSC-203	Object Oriented Technologies	3 + 1
Major		CSC-204	Operating System	4	
Major		CSC-205	Operating System Lab	2	
Minor		CSC-221	Introduction to Python Programming	3 + 1	
T.Y. (under CBCS from 2017-18)	VI	DSC	CSC105	Computer Networks	4+2
		DSC	CSC106	Object Oriented Programming	4+2
		DSC	CSC107	Software Engineering	4+2
		DSE	CSD101	Human Computer Interaction	3+1
		DSE	CSD104	Embedded Systems	3+1
	VII	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	

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GEOLOGY

Class	Semester	Paper	Paper Code	Paper Title	Credits
F.Y. (under NEP from 2023-24)	I	Major	GEO-100	Introduction to Mineralogy and Petrology	3 + 1
		Minor	GEO-111	Introduction to Geology	4
		SEC	GEO-141	Remote Sensing and Drone Photography	1+2
	II	Major	GEO-100	Introduction to Mineralogy and Petrology	3 + 1
		Minor	GEO-111	Introduction to Geology	4
		SEC	GEO-142	Water Quality Assessment	1+2
S.Y. *(under NEP from 2024-25)	III	Major	GEO-200	Structural Geology and Physical Geology	3 + 1
		Major	GEO-201	Principles of Stratigraphy and Palaeontology	3 + 1
		Minor	GEO-211	The Changing Earth	4
		MC	GEO-231	Natural Hazards	3
	IV	SEC	GEO-242	Introduction to GIS	1+2
		Major	GEO-202	Descriptive Mineralogy	3 + 1
		Major	GEO-203	Introduction to Mining Geology	3 + 1
		Major	GEO-204	Geotectonics and Associated Rocks	3 + 1
		Major	GEO-205	Geology of Goa	1+1
		Minor	VET	GEO-221	Introduction to Engineering Geology
T.Y. (under CBCS from 2017-18)	V	DSC	GEC105	Mineralogy	4+2
		DSC	GEC106	Structural Geology	4+2
		DSC	GEC107	Igneous Petrology	4+2
	VI	DSC	GEC108	Sedimentary Petrology	4+2
		DSC	GEC109	Metamorphic Petrology	4+2
		DSC	GEC110	Indian Stratigraphy	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
DSE			GED 104	Project	4

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MATHEMATICS

Class	Seme-ster	Paper	Paper Code	PaperTitle	Credits
F.Y. (under NEP from 2023-24)	I	Major	MAT-100	Foundational Mathematics	4
		Minor	MAT-111	Elementary Mathematics	4
		SEC-1	MAT-141	Numerical Analysis using Python/ SageMath	1+2
	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. *(under NEP from 2024-25)	III	Major	MAT 200	Calculus of One Variable	3+1
		Major	MAT 201	Ordinary Differential Equations	3+1
		Minor	MAT 211	Matrix Algebra	3+1
		MC	MAT 231	Basic Financial Mathematics	3
		SEC	MAT 241	Technical Typesetting using LaTeX	1+ 2
	IV	Major	MAT 202	Analysis	3+ 1
		Major	MAT 203	Linear Algebra	3+1
		Major	MAT 204	Basic Number Theory	3+ 1
		Major	MAT 205	Analytical 2D Geometry	2
		Minor	MAT 221	Probability Theory	3+ 1
		VET			
T.Y. (under CBCS from 2017-18)	V	DSC	MTC 105	Algebra	6
		DSC	MTC 106	Analysis II	6
		DSC	MTC 107	Calculus of 2 And 3 Variable	6
		DSE	MTE 101	Foundation of Mathematics	4
		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

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PHYSICS

Class	Seme-ster	Paper	Paper Code	PaperTitle	Credits
F.Y. (under NEP from 2023-24)	I	Major	PHY-100	Foundations of Physics	3+1
		Minor	PHY-111	Everyday Physics	4
		SEC	PHY-141	Basic Experimental Techniques	1+2
	II	Major	PHY-100	Foundations of Physics	3+1
		Minor	PHY-111	Everyday Physics	4
		SEC	PHY-144	PCB Designing	1+2
S.Y. *(under NEP from 2024-25)	III	Major	PHY-200	Properties of Matter & Sound	3+1
		Major	PHY-201	Heat and Thermodynamics	3+1
		Minor	PHY-211	Electricity and Magnetism	3+1
	IV	SEC	PHY-243	Measurements using Arduino	1+2
		MCi	PHY-231	Landmark Experiments in Physics	3
		Major	PHY-202	Electronics	3+1
		Major	PHY-203	Optics and Modern Physics	3+1
		Major	PHY-204	Classical Mechanics - I	3+1
		Major	PHY-205	Mathematical Methods of Physics – I	2
		Minor	PHY-222	Environmental Physics	4
T.Y. (under CBCS from 2017-18)	V	DSC	PYC105	Section 1: Classical Mechanics	2+1
				Section 2: Thermal Physics	2+1
		DSC	PYC106	Analog & Digital Electronics	4+2
		DSC	PYC107	Mathematical Physics & Electromagnetic theory I	4+2
		DSE	PYD101	Quantum Mechanics	4
	VI	DSE	PYD107	Solid State Physics	3+1
		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		

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ZOOLOGY

Class	Semester	Paper	Paper Code	Paper Title	Credits
F.Y. (under NEP from 2023-24)	I	Major	ZOO-100	Amazing World of Animals	3+1
		Minor	ZOO-111	Understanding Applications of Zoology	4
		SEC	ZOO-141	Skills for Zoologists	1+2
		VAC	VAC-100	Environmental Studies 1	2
S.Y. *(under NEP from 2024-25)	II	Major	ZOO-100	Amazing World of Animals	3+1
		Minor	ZOO-111	Understanding Applications of Zoology	4
		SEC	ZOO-143	Aquarium Fish Keeping	1+2
		Exit	ZOO-161	Dairy Technology	1+3
	III	Major	ZOO-200	Biology of Non-Chordates	4
		Major	ZOO-201	Cell Biology and Genetics	4
		Minor	ZOO-211	Vector Borne Diseases	4
		MC	ZOO-231	Standard First Aid	3
		SEC	ZOO-242	Wild Life and Eco Tourism	3
		IV	Major	ZOO-202	Biology of Chordates
Major	ZOO-203		Biochemistry	4	
Major	ZOO-204		Vertebrate Anatomy	4	
Major	ZOO-205		Basic Entomology	2	
Minor	ZOO-212		Bioinstrumentation	4	
Exit	ZOO-261		Poultry Technology	4	
V	DSC		ZOC 105	Endocrinology	4+2
	DSC		ZOC 106	Biochemistry and metabolic processes	4+2
	DSC	ZOC 107	Molecular biology and Evolution	4+2	
	DSE	ZOD 102	Applied Zoology	3+1	
	DSE	ZOD 103	Fish and Fisheries	3+1	
	VI	DSC	ZOC 108	Developmental Biology	4+2
		DSC	ZOC 109	Environmental Biology and Toxicology	4+2
		DSC	ZOC 110	Parasitology	4+2
		DSE	ZOD 104	Animal Biotechnology	3+1
DSP		ZOP 101	Project Work	4	

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PROFILE AND SCOPE : ARTS DEPARTMENTS**i) Department of Economics**

The Department of Economics was set up in the year 1962 having entire Economics (major). The vision of the Department is to empower students with learning, Innovation, Inclusion, creation and Holistic Education.

The mission is to foster participation in learning with 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 5 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, Data Analysis, 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



"I think books are like people, in the sense that they'll turn up in your life when you most need them" - Emma Thomson.

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 and 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, role plays, 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 कुटुम्बकम्॥

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. Under NEP 2020 courses such as Practical Reasoning, Value Added Courses titled Environmental practices on Goa and Multidisciplinary courses for F.Y. B.Sc. such as Ethics and Contemporary Social Issues and introduction to Feminist Consciousness are introduced in the curriculum.

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 counselling.

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. Field visit to Assembly, Panchayats, News Outlets are also organised. 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 pursue Post Graduation, Mass Media/ Journalism, Law, Research, International Relations, 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 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. Our lecturers participate in curriculum design, examination work and are serving as member of The 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 collection 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 Psychological 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, internships, 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 to special schools and other centres that cater students with special needs. The student volunteers at special schools, Purple Fest as well as assist in the sale of products made by differently abled children.

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

1) 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 Spermatophyte 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 by organising Mangrow Walks to bring awareness environmental related problems.

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.

To promote research and to impart skill, department organizes various talks, seminars, workshops, hands on training by inciting academicians and scientists. A National level seminar and hand on training titled 'Fascinating World of Fungi' was organized by the department in association with Mycoasia this academic year.

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. They are also able to take up teaching positions at various levels of education. Presently they are working at Goa University and affiliated colleges.

II) Department of Chemistry



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. One faculty has been granted a project under

GSRF Research Start-up Grant Scheme. 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.
3. Department of Chemistry of DCT's Dhempe College of Arts and Science under the DBT Star College scheme in association with the Royal Society of Chemistry (UK)-Local Section Deccan, India, organized International Symposium on "Emerging Trends in Chemistry and its Allied Sciences" on 29th and 30th September 2023.
4. Workshop on the topic 'Protection & Management of Intellectual Property Rights' jointly organized by the Department of Chemistry, Dhempe College of Arts and Science and CSIR, National Institute of Oceanography, Goa on 13th July 2023.
5. The Department of Chemistry, DCT's Dhempe College of Arts and Science, Miramar, Goa Under the aegis of DBT-Star College Scheme, in Association with Goa University, Educational Outreach Committee (EOC), Social Entrepreneurship, Swachhata and Rural Engagement Cell (SES-REC) organized Workshop and Training Program on "Mushroom Cultivation & Waste Management Techniques, Date and time: 23rd February 2024

Scope of Chemistry

A student who opts for chemistry as the major subject at the T.Y.B.Sc. level under CBSC and S.Y.B.Sc. level under NEP 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.

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 Skill development 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.

Faculty member of this department Dr. Raghav Gadgil, Dr. Manoj Ibrampurkar & Vinita Mayenkar have also contributed to Massive Open Online Courses (MOOC) in Environmental Geology.

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 UPES) or opt for specialized courses like Petroleum Geology (Pune), Mining Geology (Dhanbad), Gemology (at Mumbai or Jaipur), Remote Sensing (at IIRS Dehradun, or Symbiosis Institute at Pune)

Government agencies such as Geological Survey of India (GSI) and Central Ground Water Board (CGWB) & Directorate of Mines & Geology 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, Salgaocars, Chowgules, NMDC, CIL, & other Geographic Information System Companies. 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.

V) Department of Mathematics



The College offers Mathematics for F.Y.B.Sc and S.Y.B.Sc under NEP from 2023-24. Also 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 Bhabha Centre for Science Education, T.L.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', PSPP, Geogebra and Sage.

Objectives:

To develop scientific temper among students.

To equip basic Programming skills & Technical knowledge.

To make students eligible for career opportunities in Industry, Education sector or to opt for entrepreneurship.

To help students gain basic subject knowledge required for higher studies, professional and applied courses.

To develop solution-oriented approach towards various Social and Environmental issues.

Infrastructure:

The Department of Mathematics has a well-equipped laboratory providing ample resources for students to engage in practical experimentation and learning. Also, we have many mathematical models/games which are used for building mathematical logic.

The college library has numerous text books, reference books as well as e-resources like subscriptions to e-journals, N-List, and other digital libraries.

Linkage with Industry:

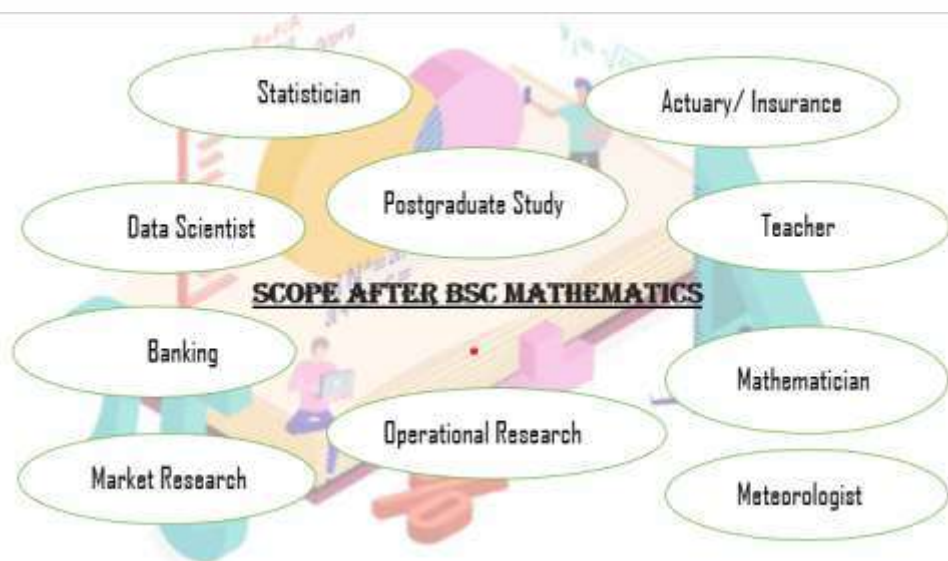
The Department collaborates with Directorate of Planning, Statistics & Evaluation (DPSE) Porvorim, facilitating internship for our student with the organisation.

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. Practical 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. (Maths), 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



Physics department offers a comprehensive range of undergraduate courses for First Year, Second Year, and Third Year bachelor's degrees designed to accommodate diverse interests and career goals. Our undergraduate curriculum provides students with a solid foundation in classical and modern physics, complemented by opportunities for hands-on experimentation and research.

The Department has tie ups with National Centre for Antarctic and Polar Research (NCPOR) and Association of Friends of Astronomy, Goa, to facilitate student related project activities.

Department organised a Two-Day National Workshop on “Our Dynamic Planet - Climate Change and Navigating the Future”, in association with NCPOR on 5th & 6th March, 2024 in NCPOR Auditorium.

Department also conducts various activities for the students under the aegis of Quarks Club

The Department is well-known for the academic profile of its faculty members and achievements of its students.

Skill Development Courses

The Department of Physics conducts skill development courses aimed at enhancing the practical abilities and employability of our students. These courses cover areas such as laboratory techniques, circuit designing, and testing, and construction of extension boards. The skills of



using conventional techniques of tracing artwork and etching to construct circuits on copper-clad boards along with the usage of modern technology like the usage of open-source software such as EasyEDA for designing PCBs are imparted to the students.

The department also plans to conduct an astronomy course that will cover the theoretical and practical aspects. By providing hands-on training and real-world experience, we prepare our students for success in both academic and professional settings, equipping them with the skills they need to thrive in today's rapidly evolving job market.

Research Activities

The Department of Physics exhibits a robust engagement in research, particularly focusing on areas like condensed matter physics and Material Science. This commitment extends to involving final-year students in research endeavors, enriching their academic journey while contributing significantly to scholarly publications. Through collaborative efforts between faculty and students, the department has achieved publications in renowned platforms such as Scopus, Springer, and UGC-Care-listed journals. This active involvement not only advances the frontiers of scientific knowledge but also cultivates a culture of inquiry and excellence within the academic community. Faculty members conduct collaborative research work with other departments.

Infrastructure available in the Department

Department has well equipped laboratory which provides ample scope to the students to perform the experiments. There exists dark room facility in the department for optics related experiments. The following instruments are available in the laboratory:

- > 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, Four Probe Resistivity instruments, Milikan's Oil drop Apparatus
- > Tool kits, Circuit boards, Bread boards etc.

Department has acquired research-grade equipment through the DBT Star College Scheme. This includes Analytical Balance, Pellet Making Machine/Press, Dielectric Measurement equipment,

Scope of Physics

Physics graduates have a wide range of career opportunities available to them across various industries. Some common career paths include:

- | Research: Working in academia, government research laboratories, or private research Institutions conducting fundamental or applied research in physics or related fields.
- | Engineering: Applying physics principles to design and develop technology in fields such as aerospace, electronics, materials science, and renewable energy.
- | Data Science and Analytics: Analysing and interpreting data in fields such as finance, healthcare, and technology, leveraging skills in mathematical modelling and statistical analysis gained through physics training.
- | Education: Teaching physics at the secondary or post-secondary level, or developing educational materials and curricula.

- | Finance: Applying analytical skills in quantitative finance, risk assessment, and algorithmic trading.
- | Information Technology: Working in areas such as software development, cyber security, and telecommunications, utilizing problem-solving and analytical skills.
- | Medical Physics: Applying physics principles to medical imaging, radiation therapy, and healthcare technology development.
- | Environmental Science: Using physics knowledge to study and address environmental issues such as climate change, pollution, and renewable energy solutions.
- | Entrepreneurship: Starting their own companies or ventures based on innovative technologies or solutions developed during their physics studies.

Overall, Physics graduates possess strong analytical, problem-solving, and critical thinking skills, making them valuable assets in a wide range of industries and professions.

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 eco-journalists. 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 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

Department of Biotechnology (Self - Financing Programme)



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 (Epifluorescence, Inverted and Binocular), Electrophoresis Units, incubators, deep freezer ($-20\text{ }^{\circ}\text{C}$), pH meters, automated micropipettes, plant growth Chambers, CO_2 incubators, transilluminators, microscope with digital cameras 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

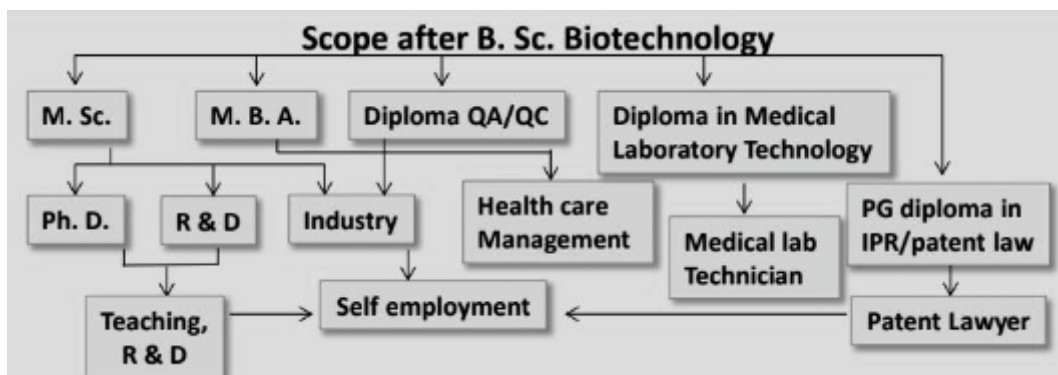
entrance tests. Our students have pursued their higher education at prestigious universities in India and abroad, such as Vellore Institute of Technology (Tamil Nadu), Symbiosis School of Biological Sciences (Mumbai), University of Bern (Switzerland), University of Glasgow (UK), University of Copenhagen (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, Proteus Plexus and others. They are also motivated to present their research work in various National & International 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. Srinivasa 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 Make Intern Team, (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 2024-25

Class	Semester	Paper	Paper Code	Paper Title	Credits	
F.Y. (under NEP from 2023-24)	I	Major	GBT-100	Biotechnology in Everyday Life	3+1	
		Minor	ZOO-111	Understanding Applications of Zoology	4	
		MC	ECO-131	Economics (Sustainable Development)	3	
		SEC	GBT-141	Laboratory Essentials	1+2	
		AEC	ENG -151	English - (Communicative English: Spoken and Written)	2	
	S.Y *(under NEP from 2024-25)	II	VAC	VAC 102	Environmental Practices in Goa	2
			VAC	VAC 109	Indian Economic Thought	2
			Major	MIC-100	Basics of Microbiology	3+1
			Minor	CHC -111	Basic Concepts in Chemistry	4
			MC	MAG-132	Management Studies	3
T.Y (under CBCS from 2017-18)		III	SEC	GBT-142	Bakery and Fermented Beverage Technology	1+2
			AEC	ENG -152	English - Digital Content Creation in English	2
			VAC	VAC110	Awareness of Cyber Crime and Security	2
			VAC	VAC118	Health & Physical Education	2
			Exit	GBT-161	Ecofriendly Bioproducts	4
	T.Y (under CBCS from 2017-18)	IV	Major	GBT-200	Cell Biology	3+1
			Major	GBT-201	Elementary Microbiology	3+1
			Minor	GBT-211	Biomolecules	4
			MC	HSC-234	Financial Management and Consumer Education	2+1
			SEC	GBT-241	Modern Agricultural Practices and Home Gardening	1+2
T.Y (under CBCS from 2017-18)		V	AEC	HIN-251	Language skills	2
			Major	GBT-202	Biochemical Processes and Metabolism	3+1
			Major	GBT-203	Plant Physiology	3+1
			Major	GBT-204	Mammalian Physiology	3+1
			Major	GBT-205	Bioentrepreneurship	2
	T.Y (under CBCS from 2017-18)	VI	Minor	GBT-221	Principles of Ecology and Evolution	4
			AEC	KON-252	Basic Knowledge of Konkani	2
			Exit	GBT-261	Laboratory Skills & Techniques in Biotechnology	4
			DSC	BIC105	Plant Biotechnology	4+2
			DSC	BIC106	Bioanalytical Tools	4+2
T.Y (under CBCS from 2017-18)		VI	DSC	BIC107	Molecular Biology	4+2
			DSE	BID101	Biostatistics and Bioinformatics	3+1
			DSE	BID102	Food Biotechnology	3+1
			DSC	BIC108	Bioprocess Technology	4+2
			DSC	BIC109	Immunology	4+2
DSC	BIC110	Environmental Biotechnology	4+2			
DSE	BID103	Animal Biotechnology	3+1			
DSE	BIP101	PROJECT	4			

*SY Papers subject to approval from Goa University.

B.Sc. BIOTECHNOLOGY (Self Financing)**Academic Year 2024-2025****Fee Structure**

* Subject to change

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.
3. 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 per Circular 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 (2024-2025)

M.Sc. (Part I) Programme as per NEP 2020 from 2022-23				
Semester	Paper Code	Paper Title	Credits	
I	CHO-500	Fundamentals of Organic Chemistry	4	
	CHI-500	Fundamentals of Inorganic Chemistry	4	
	CHP-500	General Physical Chemistry	4	
	CHA-500	Techniques in Analytical Chemistry - I	4	
	CHO-521	Practical Course in Organic Chemistry-I	2	
	CHO-522	Practical course in Organic Chemistry-II	2	
	CHI-521	Practical Course in Inorganic Chemistry-I	2	
	CHI-522	Practical Course in Inorganic Chemistry-II	2	
	CHP-521	Practical Course in Physical Chemistry-I	2	
	CHP-522	Practical Course in Physical Chemistry-II	2	
	CHA-521	Practical Course in Analytical Chemistry-I	2	
	CHA-522	Practical Course in Analytical Chemistry-II	2	
	II	CHA-501	Chemical Methods of Analysis	4
		CHA-502	Techniques in Analytical Chemistry II	4
CHA-503		Separation Techniques	4	
CHA-504		Instrumental Methods of Analysis	4	
M.Sc. (Part II) Programme as per NEP 2020 from 2023-2024				
Semester	Paper Code	Paper Title	Credits	
III	CHA-600	Practical Course in Analytical Chemistry - III	4	
	CHA-601	Practical Course in Analytical Chemistry - IV	4	
	CHC-600	Research Methodology and Instrumental Techniques - I	4	
	CHC-601	Research Methodology and Instrumental Techniques - II	4	
	CHA-621	Fundamentals of Crystallography	4	
	CHA-622	Advanced NMR and Combined Spectroscopy	4	
	CHA-623	Bioanalytical Techniques	4	
	CHA-624	Calibration and Validation in Analytical Chemistry	4	
IV	CHA-602	Advanced Mass Spectrometry	4	
	CHA-603	Selected Topics in Analytical Chemistry	4	
	CHC-651	Discipline Specific Dissertation	16	

M.Sc. Analytical Chemistry (Self Financing)

Academic Year 2024-2025

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 2024-2025

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	500.00	500.00
Students Activity Fees / Other Fees	500.00	500.00
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	150.00	150.00
Examination Fees	1,000.00	1,000.00
Total Fees Amount Rs.	90,940.00	90,280.00
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.	92,130.00	91,470.00
Other Charges*	1000.00	1000.00
Grand Total	93,130.00	92,470.00

Note: *Subject to Change

1. 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 2024-25
(VALUE ADDITION COURSES)**

Arts Departments

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	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.
3	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.
4	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.
5	Typing in Unicode-Mangal Font	Indian Languages	Min.25 Max.29	विद्यार्थी देवनागरी टंकण में सक्षम होगा। प्रकल्प कार्यों, आलेखों तथा अपने लेखों का टंकण कर सकेगा तथा अपना ब्लॉक टाइप कर सकता है।
6	Basic Statistics and Econometrics	Economics	15	Students will be able to analyse, interpret socio economic data and device conclusion and policy prescription.

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 & Biotechnology	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 in 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.
9	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 Skill development in fungi as biofertilizers and bio-control agents	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.
11	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.

12	Mathematical Typesetting-LaTeX	Mathematics	20	<p>Participants will be able to Install LaTeX in their systems.</p> <p>Typeset and control key LaTeX environments.</p> <p>Be familiar with good practice and proper LaTeX workflow for efficient best practice.</p> <p>Beware of a range of online resources to support the use of LaTeX.</p> <p>Use mathematical expressions and equations.</p> <p>Create project reports.</p> <p>Write a journal article or Ph.D. thesis using LaTeX.</p> <p>Make presentation slides using beamer.</p>
13	Advanced Immunology	Biotechnology	30	<p>This course is conducted in association with INSERM, Paris, France with Dr. Srinivasa Kaveri, Director of Research CNRS, Ex- director of research INSERM as resource person. This course includes advanced knowledge and current research across the Globe in the field of immunology.</p>

GENERAL INFORMATION

Library

The college library is a veritable treasure house comprising a rich collection of reading resources, including 37524 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 Army Wing NCC, belongs to 1 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. (NAVAL WING)

The NCC Naval Unit of the college, comprising 50 cadets of both genders, holds promising prospects. Engaging in various camps such as Nau Sainik, Menu, RDC, and Trekking Camp, alongside activities like sailing and ship modelling, fosters a holistic development platform. Dr. Mamta Kumari serves as the caretaker of the unit, ensuring smooth functioning. Cadets are also encouraged to pursue B and C certificate examinations, which further solidify their skills and knowledge. Participation in social cause activities enhances their sense of discipline and societal engagement. Through a diverse range of activities, the NCC Naval Unit equips cadets with invaluable skills for personal and professional growth, fostering leadership qualities and a strong sense of social responsibility.

N.S.S.

Our institution has N.S.S. volunteers working under the guidance of trained Programme Officers, Dr. Shilpa Bhonsle, Dr. Palia Pandit and Dr. Raghav Gadgil. 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, adventure 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, workshops, talks on various physical and mental health related issues like stress management, eye care, Holistic healing, PCOS, Substance abuse etc are conducted on regular basis. The National Deworming day is celebrated by conducting a deworming drive in collaboration with the Urban Health Centre, Panaji. The Minister of Health & Family Welfare, Government of India.

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. Committee is working towards 'Eat Right Campus' initiative lead by FSSAI.

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. IQAC organizes seminars and workshops for faculty and students to upgrade their knowledge & skill

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

Research and Department Cell (RDC) was established in the institution under the initiative of UGC for promoting quality research and for developing conducive environment for motivating students and faculty for strong culture of research. RDC creates awareness among faculty members about various research fundings schemes and their sources. The College teaching staff have major & minor projects funded by State

and National funding agencies. Interactions of staff and students with scientists at National and international level 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.

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 (One start-up/Alumni entrepreneur, an IP expert an industrial expert and a member of an incubation centre), 13 faculty members and 6 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.

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 inter-collegiate literary festivals and competitions. The annual intra college lit-fest '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, Chatrapati Shivaji Maharaj, Swatantrya Veer Sawarker, 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. The Faculty members mentor students to present research papers at various forums.

Political Science Forum (Department of Political Science)

This is a formal platform consisting of teachers and students which aims to provide students practical experience 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 interaction with prominent personalities 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)

The Quarks Club, Department of Physics has been dedicated to nurturing the talent among students at our institute. It welcomes any science

enthusiast to join and actively engage in its diverse activities. The club organises science popularization lectures, interactive quiz programs, immersive exhibitions, enriching workshops, insightful study tours etc. The club's activities are crafted to spark curiosity and cultivate a deeper understanding of science.

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 Programme	Eligibility	Age	Duration	
			Min	Max
Bachelor of Science (BSCM)	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 (BTS)	BPP from IGNOU or 10+2	No bar	3yrs	6 yrs.
Master of Arts (Public Administration) (HPA)	Bachelor's Degree or higher in any discipline	No bar	2yrs	4 yrs.
Master of Arts (Sociology) (MSO)	Bachelor's Degree	No bar	2yrs.	4 yrs.
Master of Arts (History) (MAH)	Bachelor's Degree	No bar	2yrs.	5 yrs.
Master in Tourism Management (MTTM)	Bachelor's Degree or Diploma in Hotel Management	No bar	2yrs.	4 yrs.
Master of Arts in Hindi (MHD)	Bachelor's Degree in Hindi	No bar	2yrs.	4 yrs.
Msc. Env. Science (MSC ENV)	Bachelor of Science	No bar	2yrs.	5 yrs.

Name of the Programme	Eligibility	Age	Duration	
			Min.	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).

Name of the Programme	Eligibility	Age	Duration	
			Min.	Max
Master of Arts (Political Science) (MPS)	Bachelor's Degree	No bar	2 yrs.	5 yrs.
Diploma in Tourism Studies (DTS)	BPP from IGNOU 10+2orits equivalent	No bar	1 year	4 yrs.
Certificate Programme in Tourism Studies (CTS)	BPP from IGNOU or 10+ 2orits equivalent	No bar	6 months	2 yrs.
Post graduate Diploma in Translation (PGDT)	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 (PGDM)	Bachelor's Degree	No bar	1 yr.	4 yrs.
Post Graduate Diploma in Environmental and Sustainable Development (PGDESD)	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 Programme	Eligibility	Duration	Fee (INR)
1	Certificate in Disaster Management	CDM	10+2	2,800/-
2	Certificate in Environmental Studies	CES	10+2	2,600/-
3	Certificate Programme in NGO Management	CNM	10+2 or Matriculate with at least 3 years of work experience in NGO Sector.	2,000/-
4	Certificate in Business Skills	CBS	10+2 or its equivalent	3,400/-
5	Certificate in Functional English (Basic Level)	CFE	10+2 or its equivalent	4,200/-
6	Certificate in HIV and Family Education	CAFE	10+2	1,200/-
7	Certificate in Tourism Studies	CTS	10+2	2,200/-
8	Certificate in Food and Nutrition	CFN	No formal qualification	1,600/-
9	Certificate in Nutrition and Child Care	CNCC	10+2	2,200/-
10	Certificate in Human Rights	CHR	10+2	2,800/-
11	Certificate in Consumer Protection	CCP	10+2	2,000/-
12	Certificate in information Technology	CIT	10th pass	6,200/-
13	Certificate in Guidance	CIG	Matriculation /SSC	2,200/-
14	Certificate in Communication and IT Skills	CCITSK	10+2 pass with English	5,900/-
15	Certificate in Energy Technology and Management	CETM	10th pass	2,900/-
16	Certificate in Library and Information Science	CLIS	10+2 passed	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 certificate courses can be pursued simultaneously along with the formal BA/BSc. education. For details of enrolment etc. interested students are advised to contact the office of IGNOU study coordinator on ground 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 girl 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 passing the Final Year of the new 3 year B.A. degree and securing highest percentage of marks.

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. Ana 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

Trophy for the student securing highest marks in Economics at F. Y. B. A levels. Trophy for the student securing highest marks in Economics at S. Y. B. A levels. Trophy for the student securing highest marks in Economics at T. 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 inter institutional events for three consecutive years and passing TYBA examination.
- 34. Blue Cross Labs Scholarship scheme**
- 1) Minimum Percentage 65% (Arts/ Science)
 - 2) Annual Income not to exceed (4 Lakhs per annum)
 - 3) The beneficiary should not receive any other Scholarship from any Govt. organisation or NGO.
- 35. Late Smt. G. L. Moye award** Cash Prize of Rs. 1,000/- instituted by Prof. Vrinda Borker in the name of late Smt. G. L. Moye for student scoring highest marks at MSc. Analytical Chemistry Part II among students of the College.
- 36. Late Shri Sudhakar Sardessai award** Cash prize of Rs. 500/- instituted by Ms. Varsha Virginkar for student scoring second highest marks at MSc. Analytical Chemistry Part II among students of the College.
- 37. Endowment Prize** of Rs. 5000/- for securing the highest marks in the subject of Political Science at the T.Y.B.A Honors Degree Programme

- instituted by the Department of Political Science
38. Cash Prize of **Rs.1000/-** and a rolling trophy of Department of Economics awarded for securing highest marks in **ECONOMICS** in F.Y.B.A, S.Y.B.A and T.Y.B.A(6 units) continuously
 39. **Late Shri. Jose Santana Rodrigues & Late Shrimati Maria Olinda Mascarenhas** award of Rs. 3000/- awarded to the student of Dhempe College for securing the highest marks in the subject of Philosophy at the T.Y.B.A examination conducted by Goa University.
 40. A prize of Rs. 2,500/- awarded to the **Female student** of **BIOTECHNOLOGY** for scoring the highest number of marks amongst all the students of Biotechnology of Dhempe College of Arts & Science at the T.Y.B.Sc examination instituted by Dempo Charities Trust.
 41. A prize of Rs. 2,500/- awarded to the **Male student** of **BIOTECHNOLOGY** for scoring the highest number of marks amongst all the students of Biotechnology of Dhempe College of Arts & Science at the T.Y.B.Sc examination instituted by Dempo Charities Trust.
 42. Rolling trophy to be awarded to students scoring highest marks in **First Year B.A and Second Year B.A** from amongst the students of Dhempe College of Arts and Science.
 42. Rolling trophy to be awarded to students scoring highest marks in **First Year B.Sc and Second Year B.Sc** from amongst the students of Dhempe College of Arts and Science.
 43. **Late Smt. Sudha Pundalik Khaunte Award** Cash prize of **Rs. 5000/-** to the student securing highest marks in Konkani honours at the B.A examination from amongst the students of Dhempe College instituted by Mrs. Anju Sakhardande in the memory of her late mother Mrs. Sudha Pundalik Khaunte.
 44. **Late Shri. Sanjeev Verenkar Award** Cash prize of **Rs. 2000/-** to the student securing highest marks in Konkani honours at the T. Y. B.A examination from amongst the students of Dhempe College instituted by Apurv Prakashan in the memory of Shri. Sanjeev Verenkar.
 45. **Late Smt. Filomena Dias Award** in the form of a cash prize of **Rs.3000/-** awarded to a student who shows exemplary performance in extracurricular activities displaying talent and leadership spirit instituted by Ms. Clarinda Dias.
 46. Scholarships in the form of annual fees awarded by Blue Cross Ltd. to 10 students of First Year from Economically weaker sections for a period of three years.

FINANCIAL AID AND OTHER FACILITIES

National/ State Government Schemes

1. 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/>
<http://cmscholarship.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://cmscholarship.goa.gov.in>)
 - c) Merit Based Award (ST Students) (<http://cmscholarship.goa.gov.in>)
 - d) "PRASHIKSHAN YATRA" Scheme to provide financial assistance for conducting study tours (Extension) for ST 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
 10. Financial assistance for higher education / technical education under Sant Sohirobanath Ambiye Dnyanvrudhhi 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://cmscholarship.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 (NHFD) 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.nhfcd.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 Sohibanath Ambiye, Dyanruddhi 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>)
- 21) Chief Minister Portal scholarship of Gagan Bharari Shiksha Yojana and Merit Based Award Scheme for ST/SC/OBC/EBC Students with disabilities and parents of the students who engaged in unclean and hazardous occupation for applying scholarship (<http://cmscholarship.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.

CODE OF CONDUCT FOR STUDENTS OF DHEMPE COLLEGE

1. Students are required to wear their identity cards when on the College campus and produce it whenever asked for by any College authority.
2. Students must attend all lectures/tutorials/practical as per the timetable on all working days.
3. Students are required to be punctual for lectures, refrain from loitering in corridors during class hours, avoid sitting on staircase steps or building parapets, and utilize the library during free periods.
4. Students will have to provide a medical certificate to support any absence from the College due to illness.
5. Students are expected to be mindful, adhere to the dress code and attend College in modest attire.
6. The students are expected to maintain cordial and respectful relationships with the staff of this College and fellow students. Any slang language / vulgarity / obscene / racial / casteist / abusive comments within the campus will not be tolerated. Insubordination to any teacher or to any College authorities, misbehavior or misconduct is liable for disciplinary action as per the rules. No students are allowed to post on Facebook/Social Media any issue concerning fellow students, teachers or College, in the nature of complaints, discontent, abuse or ill-feeling.
7. Smoking, consumption and carrying any narcotic, alcoholic substance etc. is strictly prohibited in the classroom and on the campus and at all such places where the students officially represent him/herself on behalf of the College.
8. Students caught with any form of pornographic material will face severe consequences as appropriate actions will be taken.
9. The College has a zero tolerance policy towards sexual harassment and Ragging. Students are advised to abstain from indulging in such activities. A student, if found guilty of such acts will be liable for severe punishment in accordance with ordinances.
10. Students are expected not to engage in any activities, both within and outside the College, that could disrupt its administration, impede its

functioning, or negatively impact the overall management and operations of the Institution.

11. If a student is found to have caused any damage to College property, they will be required to compensate for the damage done.

12. Students are prohibited from independently arranging tours, picnics, treks, etc.

13. Students must take care of their personal belongings as the College is not responsible for any loss of students' personal property.

14. Visitors must obtain prior permission from the Principal before meeting students at the College. Additionally, inviting outsiders to attend College classes, functions, or programs requires prior approval from the Principal.

15. Students are encouraged to voice genuine concerns, and the College will address valid complaints accordingly.

16. Students are prohibited to organize or attend any meeting within the College or to circulate among the students any notice or petition of any kind or paste it on the College notice board/walls without prior written permission of the principal. No union or association of students shall be started in the College without prior permission of the principal.

17. The students of the College are not allowed to play in any team against the College.

18. The College reserves the right to withhold the final examination result of those students who fail to clear their dues (Breakage/Damage) and/or return library books and other College items, within the notified time.

19. The Students should follow the dress code during the examinations as mentioned below: -

1. Students should not wear cargo pants.
2. Students should not wear Long Sleeve Shirts/ T-shirts, Tops
3. Students should use open footwear like Slippers, Floaters, Sandals etc.
4. No Smart Watches, Mobiles and Electronic Gadgets should be carried.

20. Use of Unfair Means during examination is strictly prohibited. A student, if found guilty, shall be liable for punishment as per the rules prescribed by Goa University.

21. Students are expected to maintain the cleanliness within the College premises.

22. Attendance rules are as per the Goa University rules; a student must have a minimum of 75% attendance during each semester to qualify for the written examination. Any student not fulfilling the minimum required percentage of attendance shall not be permitted to undertake the SEE examination.

23. It is obligatory on the part of students to read the College Notice Board, emails, and messages sent by the College and to take note of announcements that are put up from time to time.

24. It is mandatory for every student to maintain discipline, follow the College's rules and code of conduct, and obey instructions from the Principal and other College authorities. Any violation of these guidelines will result in disciplinary action being taken against the student. This disciplinary action will be in accordance with the relevant rules outlined by the directives of Goa University and the guidelines set by the College Discipline Committee.

**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: _____

RESIDENTIAL ADDRESS: _____

TELEPHONE: _____

(RESIDENCE)

(OFFICE)

Emergency Contact: Mob. Nos:- Father:

Mother:

Guardian:

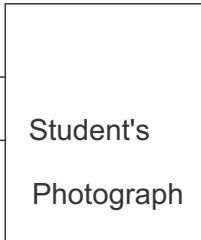
SIGNATURE OF PARENT: _____

NAME OF PARENT: _____

DATE: _____

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

Name of the Student _____
Class _____ Div. _____ Roll No. _____
PR.No. _____
Residence Address _____



Blood Group _____

AADHAAR No.: _____

(Copy of AADHAAR Card to be attached)

In case of emergency Contact details 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 Class
Scholarship is claimed)

I/We have read all the rules

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

I state 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.
- 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 knowledge-acquisition.

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.



Panaji, GA, India
 Dhempe College Rozo, Campal, Panaji,
 403001, GA, India
 Lat 15.482549, Long 73.810167
 01/20/2024 11:21 AM GMT+05:30
 Note : Captured by GPS Map Camera

GPS Map Camera

Panaji, Goa, India
 DCT'S Dhempe College of Arts and Science, Miramar, Panaji, Goa
 403001, India
 Lat 15.477304°
 Long 73.810362°
 09/10/23 11:41 AM GMT +05:30



Dempo Charities Trust's

DHEMPE COLLEGE OF ARTS & SCIENCE

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

📍 Panaji, Goa, 403001 📞 0832-2462376 📠 0832-2462315

🌐 www.dhempecollege.edu.in