



**OFFICE OF THE PRINCIPAL**  
**GOVERNMENT AUTONOMOUS COLLEGE, ANGUL, ODISHA-759143**  
ସରକାରୀ ସ୍ୱୟଂଶାସିତ ମହାବିଦ୍ୟାଳୟ, ଅନୁଗୋଳ, ଓଡ଼ିଶା: ୭୫୯୧୪୩  
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**SCOPE OF EMPLOYABILITY/ SKILL ENHANCEMENT/ENTREPRENEURSHIP**

**UG PROGRAMME**

S.No.	Name of Courses	Courses Code	Courses Name	Nature and Scope of employability/Skill Enhancement/Entrepreneurship
1	Economics	CORE-VII	Statistical Methods for Economics	Data Analyst
2	Education	Core 12	Information and communication technology in Education	It will enable the students to thrive in any workplace
		DSE I	Pedagogy of language	This paper will develop the better skills of individual and vision of an integrative pedagogy of careers
		DSE III	Policy and practices in school and higher education	This paper will Increase career guidance services, impactful teacher, policy maker etc.
3	English	SECC	English Communication	# Equips students with skills of presentation and communication, thereby increasing opportunities for employment.
		GE-1	Academic Writing and Composition	# Equips students with the knowledge of writing skills, opening up employment opportunities in newspapers and offices
		DSE-4	Writing for Mass Media	# Through teaching of news stories, features, editorials, advertisement captions, taglines, emails, blogs, social networking, opportunity is created for employment in Newspaper offices.

4	Geography	Core-2	Cartography	Cartographer
		Core-4	Climatology	Climatologist, weather forecaster
		Core-11	Regional Planning and Development	Regional planner (Urban/Town planner)
		Core-12	Remote Sensing And GIS	GIS developer, satellite image analyst, Regional planner, weather forecaster, Environmentalists.
4	Hindi	Core-5	Principles of translation	Translator in banking sector
5	History	DSE I	History and Culture of Odisha-I	Tourism in Odisha
		DSE II	History and Culture of Odisha-II	Tourism in Odisha
		DSE III	History and Culture of Odisha-III	Tourism in Odisha
6	Mathematics	SECC-II	Quantitative and logical thinking (special course)	Competitive examination
7	Odia	Core 14	Applications of Odia Language	Can generate employment in the field of court, cutchery, Petition writers, in mass media etc.
8	Philosophy	Core-2	LOGIC AND SCIENTIFIC METHOD	Life skill enhancement
		Core 14	APPLIED ETHICS	Life skill enhancement
		DSE I	PHILOSOPHY OF BHAGAVADGITA	Life skill enhancement
9	Sanskrit	Core-7	Cases and Case endings in Paninian Grammar and translation	Knowledge of Translation from Sanskrit to Odia and English can create job opportunities.
		Core 13	Ayurveda and Vrksayurveda	Knowledge of Ayurveda can create employment opportunities
		Core 14	Technical literature in Sanskrit	Knowledge of Jyotisha and Vastu can generate employment opportunities
		DSE III	Translation, Editing and Writing Skill	Can generate employment opportunities in translation
10	Sociology	Core-3	Indian society	Councilor job in family court
		Core-4	Sociology of environment	Volunteer jobs in Government and Non-Govt Organization like ILO, UN, UNDP
		Core-8	Rural sociology	Jobs in rural development sector, community development and workers in human welfare

		Core-10	Marriage family and Kinship	Councilor job in family court
		Core-11	Research Methodology	Jobs as research assistant, research assistant in Govt. and NGO sector
		Core 14	Social Dis organization and Deviance	Councilor as rehabilitation and resettlement policy
		DSE I	Sociology of Health	Gerentologists in the health care sector, public health and welfare organization job
		DSE II	Sociology of Education	Policy Analyst Job
		DSE III	Urban Sociology	Community development workers in human welfare job 2.Social worker in NGO
		DSE IV	Tribes in India	Jobs as tribal welfare officers
11	Commerce	Core-8	GST & Indirect Taxes	Job in GST subhidha Kendra, filling of GST of any business enterprise
		Core-9	Fundamentals of Data Management	Job based on computer skill (DBMS,HTML)
		Core-11	Computerized Accounting &E-filing of Tax Returns	e-Filing of Income Tax Returns
		DSE I	Indian Banking & Insurance System	Competitive Examination
		DSE II	Merchant Banking & Financial Services	Trading in Stock Market
		DSE III	Fundamental of Investments	Trading in Stock Market
12	Botany	Core-1	Microbiology and phycology	Food preservation, mushroom cultivation, food and pharmacopeia industry, phytoremediation, Microbiologist in industries.
		Core-6	Economic Botany	ICAR laboratories, IARI Institutions
		DSE III	Horticulture Practices	Horticultusist, garden designing and land scaping, nusery. hydroponics
		Core-10	Plant Systematics	Plant systematics expert, BSI, Field taxonomist.
		Core 14	Plant Biotechnology	Tissue culture labs, manufacturing industries of metabolites
13	Chemistry	Core-9	Organic Chemistry-III	Chemist in pharmaceuticals

		Core-10	Physical Chemistry-IV	Job in Battery Industry, BARC, Heavy Water Plant, Geo-Chemist
		Core-11	Organic Chemistry-IV	Analytical Industry, Chemist in Oil and Natural Gas Companies (ONGC, IOCL, BPCL)
		Core-13	Inorganic Chemistry-IV	Catalytic Industry
		Core-14	Organic Chemistry-V	Paint companies
		DSE-I	POLYMER CHEMISTRY	Polymer industry
		DSE-II	GREEN CHEMISTRY	Synthetic Industry
		DSE-III	INDUSTRIAL CHEMICALS AND ENVIRONMENT	Pollution Control Board, Oil and Natural Gas Companies (ONGC, IOCL, BPCL)
14	Computer Science	Core-1	Programming using C	Students can become a programmer and get a job in IT industry
		Core-3	Programming using C++	Students can become a programmer and get a job in IT industry
		Core-5	JAVA Programming	Students can become a programmer and get a job in IT industry
		Core-6	Database Systems	Students can become a Database administrator and get a job in IT industry
		Core-9	Computer Networks	Students can become a Network administrator and get a job in IT industry
		Core-11	Web Technologies	Students can be a web developer and get a job in IT industry
		DSE II	Unix Shell Programming	Students can work as UNIX server administrator and get a job in IT industry
		DSE III	Data Science	Students can join in various in research institute and IT industry
15	Geology	Core-1	General Geology	Geologist
		Core-5	Igneous, Sedimentary, Metamorphic Geology	Petrologist
		Core 13	Ground Water Geology	Hydrogeologist
		Core 14	Environmental Geology	Environmental Scientist
16	Mathematics	SECC-II	Quantitative and logical thinking	Competitive examination

			(special course)	
17	Physics	Core-10	Digital Systems and Applications	Semiconductor Industry
		Core-1 Core-5 Core-8	Mathematical Methods in Physics	IT Sector
		Core 13	Electro-magnetic Theory	Electricity Sector
		DSE II	Advanced Nuclear Physics	Nuclear Science Sector
18	Zoology	Core-2	Principles of Ecology	Pollution control board, CSR experts in companies, Forest Department Services
		Core-7	Fundamentals of Biochemistry and microbiology	Pathological experts, Laboratory technicians, Quality controller in Pharmaceutical companies.
		DSE III	Wildlife Conservation And Management	NGOs(From local to global), Advisor, Consultant at all level from private to public sector, forest Department services

*Posebella Anand Reddy*  
13/12/24  
**ACADEMIC BURSAR**

*[Signature]*  
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