

SUSTAINABLE DEVELOPMENT GOALS

17 PARTNERSHIPS FOR THE GOALS



17.4.2 -

Does your university as a body have dedicated courses (full degrees, or electives) that address sustainability and the SDGs?

YES

COURSES OFFERED TO BRING AWARENESS OF SDGS

Course on “Essentials of Peace and Sustainability” offered as an elective subject to undergraduates of Manav Rachna University

Manav Rachna Centre for Peace and Sustainability, at Manav Rachna University, has developed an insightful course entitled ‘Essentials of Peace and Sustainability.’ This course is made available to undergraduate students as an elective subject, with the primary objective of fostering greater awareness of the ambitious Sustainable Development Goals (SDG) agenda of 2030, its various components, and imparting the knowledge and skills required for peace-building.

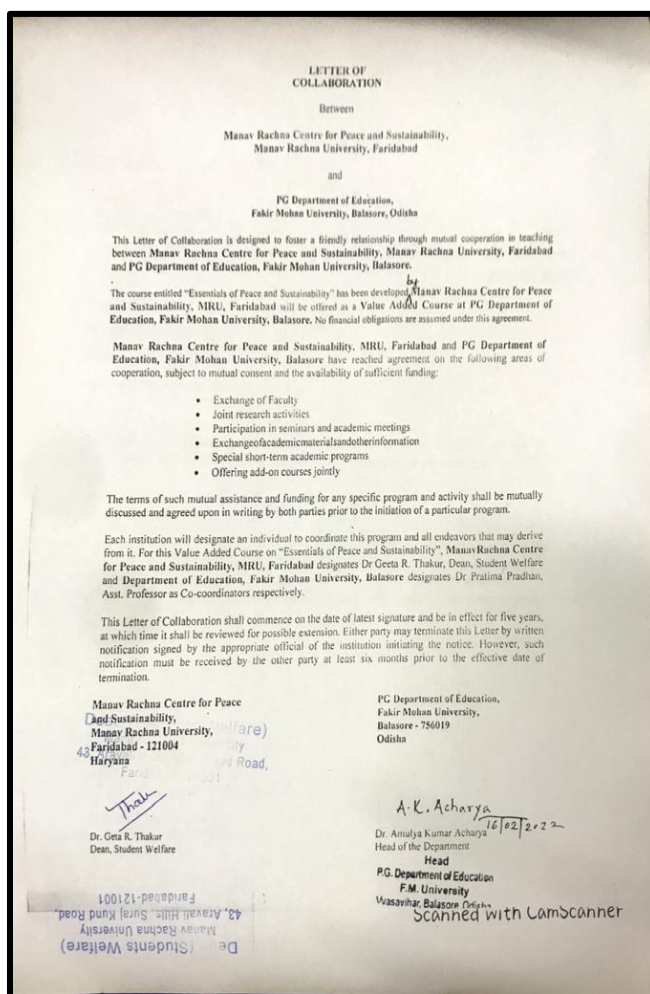
The course draws upon experiential and project-based learning approaches, as well as collaborative and cooperative learning strategies, to provide learners with a comprehensive and immersive educational experience. As part of the course, students select a specific SDG and propose a solution based on their acquired knowledge in their respective domains, making the learning experience both practical and impactful.

To ensure the quality and rigor of the course content, it is developed by a team of experts in the field of Peace and Sustainability. The course is delivered in a blended mode, leveraging technology and traditional methods to provide students with the flexibility and convenience of learning in a manner that

best suits their needs. The course has so far successfully been completed by 450 students, making it a valuable and sought-after addition to the academic offerings of the university.

Course offered by Fakir Mohan University

The course entitled “Essentials of Peace and Sustainability” is presently being offered to Fakir Mohan State University, Balasore, Orissa. This course is offered in a blended mode of delivery, wherein the theoretical components are imparted through our esteemed university through virtual platform Canvas, while the practical aspects are being attended to by the Department of Education in a physical mode. It is a six-month duration program, which commenced in March 2022 and culminated in August 2022, and is meticulously designed to provide a comprehensive understanding of the fundamental principles and concepts related to the critical areas of peace and sustainability.



Course offered by OER4BW

The course also has been made available as an Open Educational Resource (OER) for the benefit of undergraduate students. This laudable initiative is in alignment with the OER4BW (Open Educational

Resources for Better World) program, an illustrious initiative supported by the United Nations Educational, Scientific, and Cultural Organization (UNESCO).

The carefully crafted course on “Essentials of Peace and Sustainability” is designed to equip young learners with a thorough and nuanced understanding of the crucial concepts and principles that underpin the fields of peace and sustainability. By leveraging the power of cutting-edge technology and innovative pedagogical approaches, the course material is delivered in an engaging and interactive manner that inspires learners to think critically and reflect deeply on the subject matter.

Other Courses run by various departments

LIST OF COURSES RELEVANT TO ENVIRONMENT & SUSTAINABILITY

Program Name	Course Name	Course Code	Description
BBA LL.B.(Hons.)/ BBA LL.B.(Hons.)/ B.Com. LL.B.(Hons.)	Constitutional Law-I	LWH201	The objective of the course is to introduce students to the concept of Constitution and Constitutionalism. The goal is to strengthen basic understanding of the students of the following concepts under constitutional law - Rule of Law, Fundamental Rights, Directive Principles of State Policy, Fundamental Duties and social issues viz-a-viz Institutional and legal framework in India.
BBA LL.B.(Hons.)/ BBA LL.B.(Hons.)/ B.COM. LL.B.(Hons.)	Constitutional Law-Ii	LWH208	The objective of the course is to provide understanding of basic concepts of Indian Constitution and various organs created by the Constitution and their functions.
All UG Programs	Environmental Science	CHH137	The objective of this paper is to make the student identify the areas of environmental degradation, to make the student identify the impact of environmental degradation on the surroundings, to enable student apply the concept of sustainable development in real life and to help the student to correlate his/her field with various aspects of environment.

BBA LL.B.(Hons.)/ BBA LL.B.(Hons.)/ B.COM. LL.B.(Hons.)	Environment Law	LWH502	The objective of this paper is to acquaint the students with the environmental issues and the measures taken for its protection along with the norms prevailing at international and national level.
B.A.B.Ed./B.Sc. B.Ed./B.Ed.	Environmental And Education	EDS223	The course seeks to understand and explain the multidisciplinary dimensions of environmental issues. It sensitizes the students to understand the primary environmental problems and suggest potential solutions
B.A.B.Ed./B.Sc. B.Ed.	Project Report on Field Trip	EDN136	The primary objective of the course is to develop skills like sensitization towards the environment and solving imminent problems. The students are been given number of opportunities to explore the environment around them and reflect upon important aspects and issues.
B.Ed . Spl.Ed.(Learning Disability)	Community Based Rehabilitation	EDS249	This course aims at optimizing the potential of community as a resource in providing suitable rehabilitation to children with special needs by gaining knowledge about various aspect pertaining to social system with reference to its potential in serving needs of specially abled children
B.Tech CSE/ME	Green Computing	CSS325B	Green computing, also known as green technology, is the use of computers and other computing devices and equipment in energy-efficient and eco-friendly ways.
B.Tech CSE/ ME	E-Waste Management	ECS249	E-waste management in India follows a similar pattern. An informal e-waste recycling sector employs thousands of households in urban areas to collect, sort, repair, refurbish, and dismantle disused electrical and

			electronic products.
B.Tech CSE	Biology For Engineers	EDH422	To familiarize the students with the basic biological concepts and their engineering applications and to motivate the students to develop the interdisciplinary vision of biological engineering.
B.Tech CSE/ME, B.Sc.(Hons.) Chemistry, B.Sc.(Hons.) Physics, B.Sc.(Hons.) Mathematics	Environment And Sustainable Development	CHS234	Environmental ethics is concerned with the issue of responsible personal conduct with respect to natural landscapes, resources, species and non-human organisms.
Bachelor of Business Administration	CSR And Sustainable Development	MCH236B	To familiarize the students with context & concept of sustainable development, and its dimensions related to Corporate social responsibility
B.Tech ME	Refrigration & Air Conditioning	MEH311B	Many refrigerants, such as chlorofluorocarbons (CFCs) damage the ozone layer, while others are extremely potent greenhouse gases. In this subject we learn how to deal with such issues and in what application which gases can be used.
B.Tech ME	Automobile Engineering	MEH313B	In this subject students studied about vehicle emission and pollutants. Vehicle pollutants harm our health and contain greenhouse gases that cause climate change. Burning gasoline and diesel fuel creates harmful byproducts like nitrogen dioxide, carbon monoxide, hydrocarbons, benzene, and formaldehyde. In addition, vehicles emit carbon dioxide, the most common human-caused greenhouse gas.
B.Tech ME	Composite Materials	MEH314B	With composite materials, manufacturers build sustainable attributes into projects or products that may increase energy efficiency, durability and the use of materials that lower environmental impact.

B.Tech ME	Renewable Energy Sources	MEH401B	Renewable energy sources play a vital role in securing sustainable energy with lower emissions. It is already accepted that renewable energy technologies might significantly cover the electricity demand and reduce emissions.
B.Tech ME	Power Plant Engineering	MEH404B	In this subject, conventional and non-conventional power plant is studied deals with renewable and non-renewable energy sources and their air emissions.
B.Tech ME	Heating, Ventilation & Air Conditioning	MEH409B	Many refrigerants, such as chlorofluorocarbons (CFCs) damage the ozone layer, while others are extremely potent greenhouse gases. In this subject we learn how to deal with such issues and in what application which gases can be used.
B.Tech ME	Energy Conservation & Management	MEH408B	Energy conservation management works for environment & sustainability like-from expanding access to electricity, to improving clean cooking fuels, from reducing wasteful energy subsidies to curbing deadly air pollution etc.
M.Tech ME	Production Ergonomics & Work Place Design	MEH507B	There are three common design principles regarding the environmental ergonomics in an office workplace – climate, lighting and noise. Ergonomics will help to recognize these principles as they are implemented in every office.
Bachelor of Business Administration	Essentials of Peace & Sustainability	PSE301	Comprehend concept of “Peace and sustainability” and inter linkages, Discuss relevance of sustainable development goals to attain Peace, Recognize how peace addresses sustainable development goals