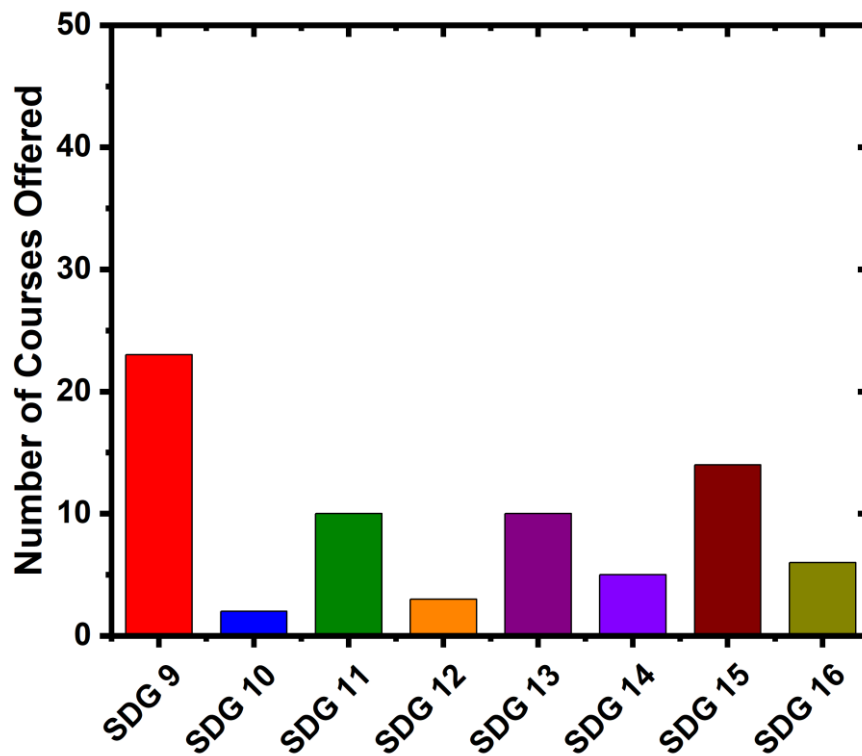
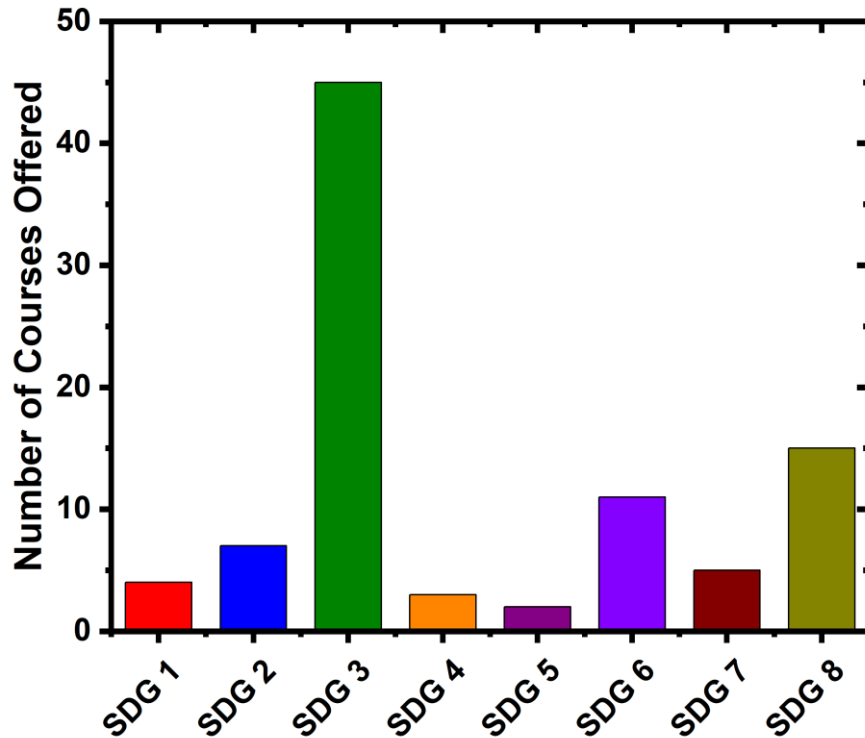


## *Education for SDGs Commitment to Meaningful Education*

Women University of Azad Jammu and Kashmir Bagh is focused on the meaningful education around the sustainable development goals (SDGs), and majority of courses are related to the SDGs. A distribution of courses offered related to numerous SDGs is presented in following graphs.



<b>GOAL 1: No Poverty</b>			
<b>Course Title</b>	<b>Program (PhD/ M.Phil./ BS)</b>	<b>Elective/Mandatory</b>	<b>Department</b>
Biodiversity and conservation	BS	Mandatory	BOTANY
Plant Taxonomy and systematics	BS/MSC	Mandatory	BOTANY
Non-Traditional security threats	BS	Mandatory	History and IR
US specialized Agencies	BS	Mandatory	History and IR
<b>GOAL 2: Zero Hunger</b>			
Non-Traditional Security Threats UNSA	BS/	Mandatory	History and IR
Plant Biotechnology	BS/ MSc	Mandatory	BOTANY
Economic Botany	BS/ MSc	Elective	BOTANY
Agriculture Biotechnology	BS	Mandatory	Biotechnology
Probability & statistics	BS	Mandatory	Mathematics
Mathematical Statistics I	BS	Elective	Mathematics
Mathematical Statistics I	BS	Elective	Mathematics
<b>GOAL 3: Good Health and Well being</b>			
Health Biotechnology	BS	Mandatory	Biotechnology
Medical Biotechnology	M.Phil.	Elective	Biotechnology
Pharmaceutical Biotechnology	BS	Elective	Biotechnology
NTST Seminar	BS	Mandatory	History and IR
UN Specialized Agencies	BS	Mandatory	History and IR
Medicinal Plant	BS	Mandatory	BOTANY
Mycology and Plant Pathology	BS	Mandatory	BOTANY
Public health and Environment	BS	Mandatory	BOTANY
Biomedical Chemistry	BS	Elective	Chemistry
Nutritional Chemistry	BS	Elective	Chemistry
Glove for Dumb Deaf people	BS	Mandatory	CS&IT
Smart Online Physician	BS	Mandatory	CS&IT

Heart Attack Predictor	BS	Mandatory	CS&IT
General Outlines of Emergency Management	BS	Mandatory	Emergency and Medical Technology
<b>Course Title</b>	<b>Program (PhD/ M.Phil./ BS)</b>	<b>Elective/ Mandatory</b>	<b>Department</b>
Trauma	BS	Mandatory	Emergency & Medical Technology
Resuscitation	BS	Mandatory	Emergency and Medical Technology
Common Emergencies	BS	Mandatory	Emergency and Medical Technology
Emergency Skills in special disease	BS	Mandatory	Emergency and Medical Technology
Shock	BS	Mandatory	Emergency and Medical Technology
Obstetrical Emergencies & Intensive Care	BS	Mandatory	Emergency and Medical Technology
Procedures and Therapeutic Interventions	BS	Mandatory	Emergency and Medical Technology
Advance Principles and Techniques	BS	Mandatory	Emergency and Medical Technology
Pediatric Emergencies & Intensive Care	BS	Mandatory	Emergency and Medical Technology
Cardiac Life Support	BS	Mandatory	Emergency and Medical Technology
Emergency Medicine	BS	Mandatory	Emergency and Medical Technology
Critical Care – I	BS	Mandatory	Emergency and Medical Technology
Emergency Care-II	BS	Mandatory	Emergency and Medical Technology

Emergency Medicine	BS	Mandatory	Surgical and Operation Theatre Technology
Critical Care – I	BS	Mandatory	Surgical and Operation Theatre Technology
<b>Course Title</b>	<b>Program (PhD/ M.Phil./ BS)</b>	<b>Elective/ Mandatory</b>	<b>Department</b>
Critical Care – II	BS	Mandatory	Surgical and Operation Theatre Technology
Emergency Care-II	BS	Mandatory	Surgical and Operation Theatre Technology
Sterilization and Disinfection	BS	Mandatory	Surgical and Operation Theatre Technology
Operation Theatre Equipment & Instruments-I	BS	Mandatory	Surgical and Operation Theatre Technology
Instruments for Emergency Procedures	BS	Mandatory	Surgical and Operation Theatre Technology
Pre & Post-Operative Assessment and Management	BS	Mandatory	Surgical and Operation Theatre Technology
Introduction to Biomedical Ethics	BS	Mandatory	Surgical and Operation Theatre Technology
Blood Transfusion	BS	Mandatory	Clinical Lab Technology
Body Fluids Analysis	BS	Mandatory	Clinical Lab Technology
Emergency Medicine	BS	Mandatory	Clinical Lab Technology
Critical Care – II	BS	Mandatory	Clinical Lab Technology
Emergency Care-II	BS	Mandatory	Clinical Lab Technology
The X-Ray production	BS	Mandatory	Diagnostic Radiology and Imaging Technology
The Radiograph and image quality	BS	Mandatory	Diagnostic Radiology and Imaging Technology
Critical Care – II	BS	Mandatory	Diagnostic Radiology and Imaging Technology
Emergency Care-II	BS	Mandatory	Diagnostic Radiology and Imaging Technology
<b>GOAL 4: Quality Education</b>			
NTST	BS	Mandatory	History and IR
Seminar on regional organization	BS	Mandatory	History and IR
UN Specialized agencies	BS	Mandatory	History and IR
<b>GOAL 5: Gender Equality</b>			
Politics of Gender	BS	Mandatory	History and IR
NTST	BS	Mandatory	History and IR
<b>GOAL 6: Clean Water and Sanitation</b>			

Solid Waste Management	M.Phil.	Elective	Biotechnology
<b>Course Title</b>	<b>Program (PhD/ M.Phil./ BS)</b>	<b>Elective/Mandatory</b>	<b>Department</b>
Hospital Waste management	M.Phil.	Elective	Biotechnology
Water and Waste management	M.Phil.	Elective	Biotechnology
Environmental Biology	BS/M.Sc.	Mandatory	Botany
Waste water treatment and management	BS	Elective	Botany
Sustainable sanitation and water	BS	Elective	Botany
Water shed management	BS	Elective	Botany
Introduction to Environmental chemistry	BS	Mandatory	Chemistry
International environmental law	BS	Mandatory	History and IR
International politics of environment	BS	Mandatory	History and IR
The global Politics of environment and climate change	BS	Mandatory	History and IR
<b>GOAL 7: Affordable and Clean Energy</b>			
Biofuels and Bio refineries	BS	Elective	Biotechnology
Biofuels and Bio refineries	BS	Elective	Botany
Energy and Environment	BS	Elective	Botany
Ecosystem Services	BS	Elective	Botany
International Politics of Environment	BS	Elective	History and IR
<b>GOAL 8: Decent work and Economic Growth</b>			
Introductory Economics	BS	Mandatory	Botany
Economic Biology	BS	Elective	Botany
Ecotourism	BS	Elective	Botany
Mushroom Cultivation	M.Phil.	Elective	Botany
Principles of Accounting	BS	Mandatory	CS&IT
Principles of Management	BS	Mandatory	CS&IT
Human Resource Management	BS	Mandatory	CS&IT
Marketing and Entrepreneurship	BS	Mandatory	CS&IT
Chicken Hatchery Machine	BS	Mandatory	CS&IT
E-commerce website for cottage industries	BS	Mandatory	CS&IT
Website for providing services (Asaish.pk)	BS	Mandatory	CS&IT
International Politics of Economy	BS	Mandatory	History and IR
Human security	BS	Elective	History and IR
Global civil Society	BS	Elective	History and IR
<b>GOAL 9: Industry, Innovation and Infrastructure</b>			
Industrial Biotechnology	BS	Mandatory	Biotechnology

Food Biotechnology	BS	Mandatory	Biotechnology
Fermentation Biotechnology	BS	Elective	Biotechnology
<b>Course Title</b>	<b>Program (PhD/ M.Phil./ BS)</b>	<b>Elective/Mandatory</b>	<b>Department</b>
Bioprocessing	M.Phil.	Elective	Biotechnology
Herbarium technology	BS	Elective	Botany
Occupational health and safety	BS	Elective	Botany
Plant Biotechnology	BS/M.Sc.	Mandatory	Botany
Programming Courses	BS	Mandatory	CS&IT
Internet of Things	BS	Mandatory	CS&IT
Artificial Intelligence	BS	Mandatory	CS&IT
Game Design & Development	BS	Mandatory	CS&IT
Enterprise Application Development	BS	Mandatory	CS&IT
Digital Image Processing	BS	Mandatory	CS&IT
Computer Forensic	BS	Mandatory	CS&IT
Web and Network Based Courses	BS	Mandatory	CS&IT
Android based Personal controller using WI-FI	BS	Mandatory	CS&IT
Speech checker by Global positioning system (GPS)	BS	Mandatory	CS&IT
Home automation system using App	BS	Mandatory	CS&IT
Skin color Based Face Recognition System	BS	Mandatory	CS&IT
School security system using RFID	BS	Mandatory	CS&IT
NTST	BS	Elective	History and IR
Seminar	BS	Mandatory	History and IR
<b>GOAL 10: Reduced Inequality</b>			
International Organization	BS	Elective	History and IR
NTST	BS	Mandatory	History and IR
<b>GOAL 11: Sustainable Cities and Communities</b>			
Solid waste management	BS	Elective	Botany
Urban Environmental Management	BS	Elective	Botany
Disaster management	BS	Elective	Botany
Pollution control Technology	BS	Mandatory	Botany
Social Services	BS	Mandatory	CS&IT
IOT Based Smart Dustbin	BS	Mandatory	CS&IT
Community cleanup and plantation	BS	Mandatory	CS&IT
Parking management system	BS	Mandatory	CS&IT

Global civil society	BS	Mandatory	History and IR
<b>Course Title</b>	<b>Program (PhD/M.Phil./BS)</b>	<b>Elective/Mandatory</b>	<b>Department</b>
Migration, Urbanization and IDP's	BS	Mandatory	History and IR
<b>GOAL 12: Responsible Consumption and Production</b>			
Natural resource management	BS	Mandatory	Botany
Conservation Biology	M.Phil.	Elective	Botany
IPE	BS	Mandatory	History and IR
<b>GOAL 13: Climate Action</b>			
Industrial Biotechnology	BS	Mandatory	Biotechnology
Ecology, Biodiversity and Evolution	BS	Mandatory	Biotechnology
Genetic resources and Conservation	BS	Mandatory	Biotechnology
Ethnobotany	M.Phil.	Elective	Biotechnology
Climate change, Impact and mitigation	M.Phil./PhD	Mandatory	Botany
Climate change	BS	Mandatory	Botany
The Global Politics of climate change	BS	Mandatory	History and IR
Calculus I	BS	Mandatory	Mathematics
Plane Curve & Analytic Geometry	BS	Mandatory	Mathematics
Calculus I	BS	Mandatory	Mathematics
<b>GOAL 14: Life Below Water</b>			
Phycology	BS/MSc	Mandatory	Botany
Fresh Water Biology	M.Phil./PhD	Elective	Botany
Hydrology	BS	Elective	Botany
Law of Sea and Space	BS	Mandatory	History and IR
International law of sea and issues of maritime Piracy	BS	Mandatory	History and IR
<b>GOAL 15: Life on Land</b>			
Ecology, Biodiversity and Evolution	BS	Mandatory	Biotechnology
Genetic resources and Conservation	BS	Mandatory	Biotechnology
Environmental Health and Medicine	M.Phil.	Elective	Biotechnology
Marine Biotechnology	M.Phil.	Elective	Biotechnology
Plant Ecology I	BS/MSc	Mandatory	Botany

Plant Ecology II	BS/MSc	Mandatory	Botany
<b>Course Title</b>	<b>Program (PhD/ M.Phil./BS)</b>	<b>Elective/Mandatory</b>	<b>Department</b>
Diversity of Vascular Plant	BS/MSc	Mandatory	Botany
Biodiversity and conservation	BS/MSc	Mandatory	Botany
Sampling Technique I	M.Phil..	Elective	Mathematics
Sampling Technique II	M.Phil.	Elective	Mathematics
Finite Mixture Distribution I	M.Phil.	Elective	Mathematics
Finite Mixture Distribution II	M.Phil.	Elective	Mathematics
Multivariate Analysis I	M.Phil.	Elective	Mathematics
Multivariate Analysis II	M.Phil.	Elective	Mathematics
<b>GOAL 16: Peace and Justice Strong Institutions</b>			
Environmental Law	BS	Mandatory	Botany
Biosafety and Bioethics	BS/ M.Phil..	Elective	Botany
Introduction to International Relations	BS	Mandatory	CS&IT
Human Rights in IR	BS	Mandatory	History and IR
UN Specialized Agencies	BS	Mandatory	History and IR
International Refugees Law	BS	Mandatory	History and IR
<b>GOAL 17: Partnership to achieve the Goal</b>			