

RANI CHANNAMMA UNIVERSITY

VIDYASANGAMA, NATIONAL HIGHWAY-04, BELAGAVI-591156

- PROGRAMME OUTCOMES(POs)
- PROGRAMME SPECIFIC OUTCOMES(PSOs)
- COURSE OUTCOMES(COs)

DEPARTMENT OF PHYSICS

(2019-20)



RANI CHANNAMMA W UNIVERSITY, BELAGAVI



VIDYASANGAMA, PBNH-04, BELAGAVI-591156

Department of Studies in Physics

Letter No: RCU/BGM/PHY/2020-21/

Date: 29-08-2020

To,

The Director,

IQAC, Rani Channamma University,

Belagavi

Dear Sir

Sub: Detailed information about Criterion 2.6.2 of Physics department

With respect to the above subject, write-up pertaining to 2.6.2 is prepared as follows and submitted for the further action:

Attainment of Program Outcomes

Two years of M.Sc., Physics program is divided in to four semesters of 4 months each. The program consists of core subjects, general subjects and specialization: theory, practical and projects. Students are assessed based on internal assessment, written theory examination, practical examinations and project viva voce.

Program Specific Outcomes

At the end of M.Sc., Physics program, students will understand the advanced Physics subjects through theory, hands-on practical experiments and through research projects which will help them in getting admission for higher education like Ph.D., and competitive examinations and jobs in industry.



Course Outcomes for each Semester and paper wise

Semester	Course Paper	Course Outcomes
Semester-1 Rev	ised Course Paper	I Understand the
Syllabus	Mathematical I	Methods mathematical tools
and the second second	of Physics	required for solving
		physics problems and
		applications
	Course Paper I	II Understand the physica
	Classical Mechan	
	The state of the s	mechanics and link to
		quantum mechanics.
	Course Paper I	II Understand the basic
	Nuclear and	Particle concept of nuclear
	Physics (General)	article
	, , , , , , , , , , , , , , , , , , , ,	applications.
	Course Paper I	V Understand the basic
	Condensed Matte	
	Physics (General)	
	(Jones un)	physics and its
		applications.
Semester-2 Revise	ed Course Paper I	Understand the
Syllabus		41 · · ·
	Quantum Mechan	theoretical concept of particle and wave
		duality and agustian of
		duality and equation of
		motion of microscopic particles.
	Course Paper II	Understand the basic
		11 0
	Atomic, Molecular	CX .
	Optical Physics	electromagnetic
	(General)	spectrum, laser, optical fiber and their
		applications.
	Course Paper III	Understand the basics of
	Electronics (Genera	electronics and
		experimentation.
	Course Paper IV	Open elective course in
		which non Physics
	Modern Physics	students learn the basic
		las of Physics and its
		theory.
mester-3 Old Syllabus	Course De 1	
inester-3 Old Syllabus	Course Paper I	Understand the
	Statistical Mechanic	theoretical aspect of
		statistical mechanics of
MA		sub atomic matter and
70	C	application to physics
	Course Paper II	Impart knowledge of
IGAVI) III	Classical	electrostatics and
	Electrodynamics	magnetohydrodyanamics

	Course Paper III Condensed Matter Physics-I Course Paper IV Physics of Nanomaterials	and their applications. Understand the properties of condensed matters and its structure. Non physics students learn the basics of nano materials, synthesis and applications.
Semester-4 Old Syllabus	Course Paper I	Impart the knowledge of
	Quantum Mechanics - II	quantum mechanics and application to complex physics problems.
	Course Paper II Advanced Mathematical Methods in Physics	Understand how mathematical methods are used in solving Physics problems.
	Course Paper III Condensed Matter Physics-II	Impart the knowledge of matter and understand the physics of magnetic materials and their applications.
	Course Paper IV Condensed Matter Physics-III	Impart the knowledge of fabrication of thin films and understand the physics of semiconductor and low dimensional matter.

PALOS Chairman

Department of Rhysics
RCUB ment of Physics
Rani Channamma University
Reladavi

