

DEPARTMENT OF PHYSICS
K.A.H.M UNITY WOMEN'S COLLEGE, MANJERI
ANNUAL REPORT 2022-23

I. Curricular Aspects

1. Certificate Courses

No:	Name of Course	No: of students
1	Mathematical Formulation of Quantum Mechanics	28
2	Analog & Digital Electronics	19

2. Faculty participation & positions in various bodies for curriculum development and assessment/evaluation

Name of Faculty : Mr. Muhammed Abdul Hakkeem C

SI No:	Position
1	Examiners board for University examinations(Both theory and Practical)

Name of Faculty : Sabeer V

SI No:	Position
1	Examiners board for University examinations(Both theory and Practical)

3. Name of Faculty : Mr. Muhammed Abdul Hakkeem C

SI No:	Course attended
1	One-week Faculty Development programme on Moodle based Learning Management System and Course Design conducted online by the Faculty Development Centre of KSHCEC from 13 th to 17 th March 2023.

Name of Faculty : Sabeer V

SI No:	Course attended
1	One-week Faculty Development programme on Moodle based Learning Management System and Course Design conducted online by the Faculty Development Centre of KSHCEC from 13 th to 17 th March 2023.

II. Teaching, Learning and Evaluation

2. Details of ICT tools and innovative practices used and usage by each faculty of the department.

SI No:	Faculty	ICT tools used
1	Mr. Muhammed Abdul Hakkeem C	Laptop, Printer, Smart TV, Smart Phone, etc
2	Mr. Sabeer V	Laptop, Printer, Smart TV, Smart Phone, etc

5. Student Centric methods/participative learning/Problem solving/experiential learning methodologies-

Students are given opportunities for doing experiments related with theory part which they have studied in class rooms.

7. Assessment and evaluation strategy and reforms.

Internal assessments of students are done by conducting exams, giving assignments and conducting viva. Valuation of answer papers are done after the exam and special attention is given to weak students.

8. Result and Result Analysis

B.Sc CHEMISTRY

No: of students appeared	49
No: of students passed	46
No: of students with grade 'O'	3
No: of students with A+ grade	21
No: of students with A grade	16
No: of students with B+ grade	6
No: of students failed	3

Pass % - 93.8

B.Sc COMPUTER SCIENCE

No: of students appeared	39
No: of students passed	26
No: of students with A+ grade	1
No: of students with A grade	5
No: of students with B+ grade	12
No: of students with B grade	8
No: of students failed	13

Pass % - 66.7

III. Research, Extension

1. Seminar/Webinar/Workshops, etc

Item	Topic	Date	Resource person
International Webinar	1. Exploring the Universe with Gravitational Waves.	23.07.2022	Dr. Mohammed Saleem Cholayil, Post doctoral Associate at School of Physics and Astronomy, University of Minnesota, USA
	2. Watching polaritons on the fly	02.09.2022	Balasubramaniam, Physical chemistry Department and centre for light –matter interaction , Tel Aviv University, Israel
Day Observation	National Energy Conservation Day	14.12.2022	
	National Science Day-A talk on The life and works of CV Raman	28.02.2023	Mr. Muhammed Abdul Hakkeem C Asst. Professor and Head of Physics Department
Workshop	1. LED Bulb Assembling	30.11.2022	Mr. Muhammed Rafi,

	2.Troubleshooting and maintenance of Home appliances	17.01.2023	Head of Physics Dept, Majlis Arts & Science College, Valancheri 1.Mr. Althaf 2. Mr.Kiran Das , Service Engineers, Prominent,Calicut
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6.MoUs and Collaboration and activity done.

Signed one MoU with Prominent – A perfect Solution, Calicut on 10.01.2023 and a worksop on Troubleshooting and maintenance of Home appliances was conducted by faculties from Prominent to students of the college.

8. Extension/Community outreach activities

Conducted one community outreach programme.

Students constructed LED bulbs and supplied in the nearby houses who were using less efficient lighting devices. They explained the importance of energy conservation and also the various methods of which can be taken for conserving energy.

IV. Infrastructure and Learning Resources.

Facilities added to Department

1. Smart T.V
2. Laptop
3. A few laboratory equipments.

V.Student Support and Progression

Capacity building programs.

1. A capacity building workshop on troubleshooting and maintenance of Home Appliances was conducted.
2. Workshop on LED bulb assembling.

VI .Governance,Leadership and Management

2.i)Mr.Muhammed Abdul Hakkeem C attended a Refresher course

ii)Mr.Sabeer V attended a Short Term Course in ‘Human Rights & RTI ‘ , conducted by UGC-HRDC, Kannur University from 28.10.2022 to 03.11.2022.

3.

Name of Faculty: Mr.Muhammed Abdul Hakkeem C

SI No:	Programme	Organizing authority	Date
1	One week Moodle based learning management system and course design	Kerala State Higher Education Council,Thiruvananthapuram	13/03/2023 to 17/03/2023
2	One day national seminar on transformational role of NEP 2020 in Higher Education	IQAC , KAHM Unity Women's College,Manjeri	24/02/2023
3	RE-BOOT Two day professional development workshop	IQAC & Governing body , IQAC , KAHM Unity Women's College,Manjeri	16/12/2022 to 17/12/2022
4	Hands-on training programme on LMS	IQAC , KAHM Unity Women's College,Manjeri	07/07/2022
5	Training for ERP Softare	Dept. of Computer Science, , KAHM Unity Women's College,Manjeri	25/07/2022
6	Training for ERP Softare	Dept. of Computer Science, , KAHM Unity Women's College,Manjeri	07/02/2023
7	One day State Level Seminar on "Changing Trends in the Media"	Media Club, KAHM Unity Women's College,Manjeri	13/02/2023

Name of Faculty: Mr.Sabeer V

SI No:	Programme	Organizing authority	Date
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VII Institutional Values and Best Practices

2.Day Celebrations

1.National Energy Conservation Day on 14.12.2022

2.National Science Day celebration on 28.02.2023