

Sem	Course type	Course code	Course title	Credits	Total hrs /week	Total teaching periods	Total marks	
							CA	UA
VI	Discipline specific Course (DSC)	PHY 601	Quantum mechanics	3	3	45	40	60
		PHY602	Material Science	3	3	45	40	60
		PHY 603	Nuclear Physics	3	3	45	30	60
		PHY 604	Modern Physics	3	3	45	40	60
	Skill Enhance ment course (SEC)	PHY 605	Basic Instrumentation Skills	3	3	45	40	60
	DSE Elective course (Any one)	PHY 606 (A) PHY 606 (B) PHY 606 (C) PHY 606 (D) PHY 606 (E)	Technical Electronics- I or Refrigeration and Air conditioning- II or Vacuum Technology-II or Microprocessor-I or Programming in C++ II	3	3	45	40	60
	DSC CORE Practicals	PHY 607	Physics Practical I	2	4 (per batch)	60	40	60
		PHY 608	Physics Practical II	2	4 (per batch)	60	40	60
		PHY 609	Physics Practical III or Project	2	4 (per batch)	60	40	60
	Non credit audit course (Any one)	AC 601(A)	Soft skill	No credit	2	30	10	0
		AC 601(B)	Yoga					
		AC 601(C)	Practicing Cleanliness					
			Total credit	24				

Note: The industrial/study tour is compulsory for students of T. Y. B. Sc. (Physics).

**Semester VI: (LAB): Physics paper VIII**  
**PHY 609: Project II**  
**(Credits: 02): (60 L, 100M (40 Internal + 60 External))**

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**ASSESSMENT OF PROJECT- SECOND TERM:**

Student should submit a Final Project Report on the work done by him/her during the First and Second Phase of the Project i.e. on the topics:

1. Experimental work. (remaining further work in continuation with the work in the first term)
2. Characterize the samples, if any.
3. Discussion of the results.
4. Conclusions.

**Instructions:**

1. The topic of project of the first term must be continued in the second term.
2. The project report of first term should be maintained and should be produced to examiner of second term.
3. The student will have to give a seminar on the project topic in the practical exam.
4. The student must perform his project presentation by PPT on LCD projector.

356494.

***A Project Report***  
***On***  
***Y- By Bending of different***  
***Wooden bars***

***For the partial fulfilment of***

***B.Sc. [PHYSICS]***

***Academic Year : 2022 - 2023***

**K.B.C North Maharashtra University, Jalgaon**

***Submitted by:-***

***Miss. Sk Qamar jahan***

***Ab.Gani***

***Guided by:-***

***A.P. Sarode***

***Physics department***

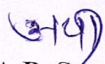
***Dr A. G. D. Bendale Mahila Mahavidyalaya***

***Jalgaon***



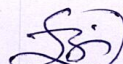
### ***CERTIFICATE***

This is to certify that the project report entitled "Comparative Study of Young's Modulus in Dry Conditions of Different Wooden bars by Bending Method" submitted by Miss. Shaikh Qamar Jahan Abdul Gani Bagwan for the partial fulfilment for the Award of the degree of Bachelor of Science in Physics has been carried out under my guidance and supervision at the Department of Physics, Dr. Annasaheb G. D. Bendale Mahila Mahavidyalaya Jalgaon, during the academic year 2022-2023 and submitted the same.



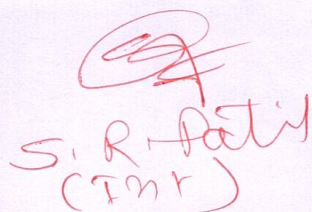
**A.P. Sarode**

**Project Guide**

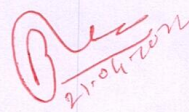


**Dr. S. J. Baviskar**

**Head of Department**



S. R. Patil  
(Int)



R. B. Deshmukh  
(Ext)



### ***ACKNOWLEDGEMENT***

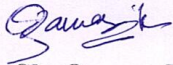
On the completion of this project I must acknowledge from the core of my heart is none other than Prof. A.P. Sarode , Dr. Annasaheb G. D. Bendale Mahila Mahavidyalaya Jalgaon. Under his supervision and guidance I have learned a lot and made me comfortable during the difficult and uneasy situations of the project work, His generous attitude and his comments have always guided me throughout and made my work very easy.

The successful completion of my project work was possible due to the help of Dr. S.R. Patil, Dr. S.J. Baviskar , And Dr. R.G. Bavne , Department of Physics, Dr. Annasaheb G.D.Bendale Mahila Mahavidyalaya Jalgaon.

I also owe thank to all non-teaching staff of Physics Department for providing homely and encouraging atmosphere in the laboratory.

**Place: Jalgaon**

**Date: 10-03-2023**

  
**Miss. Sk. Qamar Jahan**



### ***Conclusion***

Five different types of wooden bars have been tested for three point Y- by bending the load was applied with the interval of 50 gm and 100 gm each, ranging from 50 to 350 gm and 100 to 500 gm the results where mathematically calculated by calculation and by graph. It has been observed that Young's modulus values increases with increase in load. The Young's modulus value was found least in Behda and was found increasing in Nilgiri, Lemon, Haldi, and Saag. The maximum value of Young's modulus was found in Saag. all these observations were carried out in dry conditions.