



Best Practices

St Xavier's College (Autonomous) Mumbai

Academics and research

Infrastructure

NEW FRONTIERS

MORE

Academics and research

Cross Faculty Course

Going Beyond Faculty
Total 19 courses
Compulsory
choice based

CFC

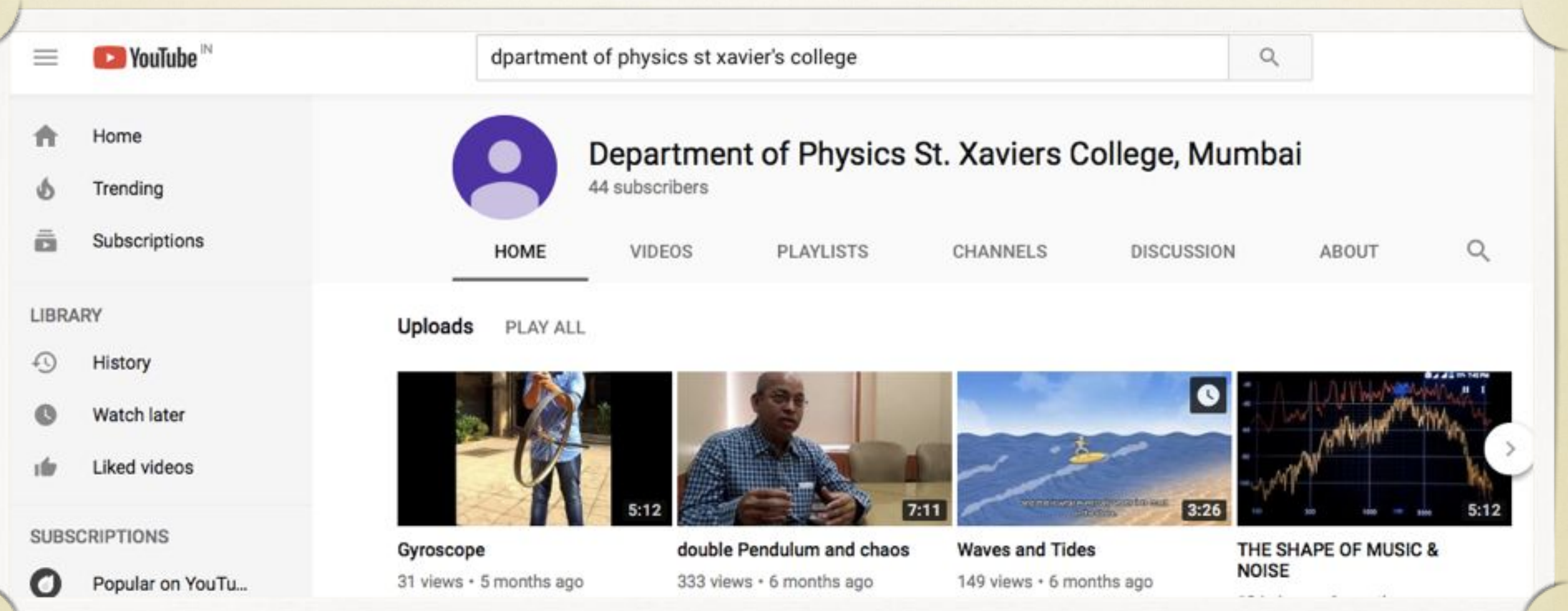


Teaching Botany to BA
students

Science communication skills

All SYBSc students
Compulsory Credit

Video communication



Check our student's some of the works [here](#)

attendance grades

Course-wise
Reflected in the mark-sheet
75% is D, 95-100% A+



ST. XAVIER'S COLLEGE, MUMBAI



Est. 1869 | YEARS



University of Mumbai

St. Xavier's College – Autonomous

Mumbai



No. SXC/F 6960

Statement of Grades

Name of the Candidate : Concessio Kyle Glenn
Unique I. D. No. : 161132
Roll No. : 282



Degree : Bachelor Of Arts
Semester : III
Month & Year of Examination : April 2018

No.	Subjects	Course Code	CIA		End Semester		Total			Course					
			Max. Marks	Marks Awarded	Max. Marks	Marks Awarded	Max. Marks	Min. Marks	Marks Awarded	Credits Earned	Grade	Grade Point	Attn. Grade	Year Of Passing	
1.	Principles Of Management - 1	A.COM.3.01	40	27	60	28	100	40	55	3	B	2.67	C	OCT 2017	
2.	Business Accounts & Finance - 1	A.COM.3.02	40	28	60	14	100	40	42	3	D	1.00	C	OCT 2017	
3.	Macro Economics - 1	A.ECO.3.01	40	24	60	21	100	40	45	3	C	2.00	B	OCT 2017	
4.	Introduction To Econometrics - 1	A.ECO.3.02	40	24	60	38	100	40	62	3	B+	3.00	C	OCT 2017	
5.	Sociology : Classical Theories	A.SOC.3.01	40	26	60	36	100	40	62	3	B+	3.00	C	OCT 2017	
6.	Indian Sociology	A.SOC.3.02	--	--	--	--	100	40	44	3	D	1.00	--	APR 2018	
7.	Special Course : Human Rights	A.SPC.3.01	40	28	60	38	100	40	66	3	B+	3.00	B+	OCT 2017	
8.	Psychology Of Adjustment 1	A.AC.3.01	40	20	60	28	100	40	48	3	C	2.00	B+	OCT 2017	
								Total Credits Awarded			24		S. G. P. A.		2.21
												C. G. P. A.		2.50	
Semester III Result : PASS CLASS															

AB : Absent, # : 0.229

^ : Student with Disability

S. Annapurna
Vice Principal

Principal

Rubric based Evaluation

Customised
Approved
Predeclared

Presentation evaluation

Category	Mark allotted
Structure of presentation	5
Explanation	4
Significance of the topic	4
Answering Questions (understanding)	7
Total	20

St Xavier's College, Mumbai, Autonomous

F. Y. B. Sc. Physics practical examination

Semester I

UID no. _____ Date: _____

Course Code: _____ Time: 1hr 30 min

Group-I	CVAT			
	Steps	Remark	Marks allotted	Marks given
1.	Note atmospheric pressure using barometer. Find the pressure of gas enclosed in a constant volume air thermometer at room temperature.	Correct Partly corr. incorrect	4	
2.	Heat the water bath and measure the pressures at 40°C, 50°C etc. up to 80°C. (Do not Take cooling readings). Show any one reading to the examiner.	Correct Partly corr. incorrect	12	
3.	Draw a graph of total pressure P against temperature θ .	Correct Partly corr. incorrect	7	
4.	Use above graph to determine the pressure coefficient of air.	Correct Partly corr. incorrect	4	
5.	Understanding of the experiment.	Correct Partly corr. incorrect	3	

_____/ 30
Signature of examiner Marks Obtained

PRACTICAL Evaluation

Course Plan

Complete course plan
Prerequisites for each lecture
post lecture activity
Assignments

Course plan 1.01

Lecture number	Prerequisites	Lecture content	Post lecture activity	Assignments
1	Concept of vectors, Kinematical equations	Over view of Newton's laws, Concept of equilibrium, Free body diagrams	Critical reading YF 4.1, 4.2 & 4.3	
2	A good understanding of Newton's laws, Frame of reference etc.	Overview of types of forces Weight, reaction, tension, friction, viscous drag, CPF and CFF	Critical reading YF 5.1, 5.4, 5.5 and solved examples	
3	A good conceptual understanding of concepts in Ch 4 & 5	Discussion questions YF Ch 4 1, 4, 8, 12, 16, 20, 24, 28, 35	Discussion questions YF Ch 4 2, 5, 9, 13, 17, 22, 27, 32, 38	Assignment 1
4	A good conceptual understanding of concepts in Ch 4 & 5	Discussion questions YF Ch 5 4, 8, 12, 16, 20, 24, 28, 32	Discussion questions YF Ch 5 2, 6, 9, 13, 16, 23, 27, 33	Assignment 1
5	A complete revision of theory and discussion problems of <u>ch 4</u> and 5	Exercise problems YF Ch 4 1, 8, 13, 18, 23, 28, 37, 58	Exercise problems YF Ch 4 3, 4, 10, 14, 15, 20, 21, 24, 27, 30, 36, 39, 40, 41, 42, 49, 51, 52, 62	Assignment 1
6	A complete revision of theory and discussion problems of <u>ch 4</u> and 5	Exercise problems YF Ch 5 1, 4, 11, 25, 26, 42, 46, 58,	Exercise problems YF Ch 5 6, 7, 10, 13, 15, 21, 28, 31, 38, 43, 44, 47,	Assignment 1

Project based learning

compulsory

Some departments do 1 projects course

tethered to the course syllabus

Hands on training

The year wise project distribution (Physics)

	No of courses	No of semesters	No of projects in an year
FY	2	2	4
SY	3	2	6
TY	4 _(Phy) +1 _(Applied)	2	10
Total			20

Project Proposal form

Well structured
promotes scientific thinking
guides students to become independent learners



Project Proposal

Form 1(TYBSc) : Experimental Project

1. What physics principle you want to explore in this project?

2. What chapter/section/pages of main reference book this concept belongs to?

3. Name the independent parameter in your experiment with units.(An independent parameter is one which you can control with a certain degree of precision)

4. Name the dependent parameter in your experiment with units.

5. Name the constant parameter/s in your experiment with units. Explain if you want to change any of these and take another set of observations.

6. Mathematical/Graphical correlation between dependent and independent parameter.

8. Explain your experimental procedure in brief.

9. What would be the title of your project. (IN CAPITALS)

10. Give the list of apparatus required to carry out this project. Is it available in lab? Do you need to buy anything? Does it involve any model making?

Approving teacher's comments:

Approving teacher's signature :

Student's signature with name: (1)

(2)

Sample of 'project proposal form'

Research Journal

XPlore, science and humanities
Student and staff's research work
online
Recognition

ISSN 2249 - 1878

Xplore

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Cover: The crest of St. Xavier's College Mumbai, Designed in 1929 by Fr. T. Molina. Shows an eagle teaching its young ones to fly. Above it, on the left, is the emblem of the Society of Jesus which consists of the Greek initials of the name of Jesus set in a sun; on the right is a chequered moon, taken from the arms of the house of Xavier. The motto in Latin is taken from the bible and refers to the eagle who encourages (its young ones) to soar aloft.

Infrastructure

Multimedia enabled classrooms

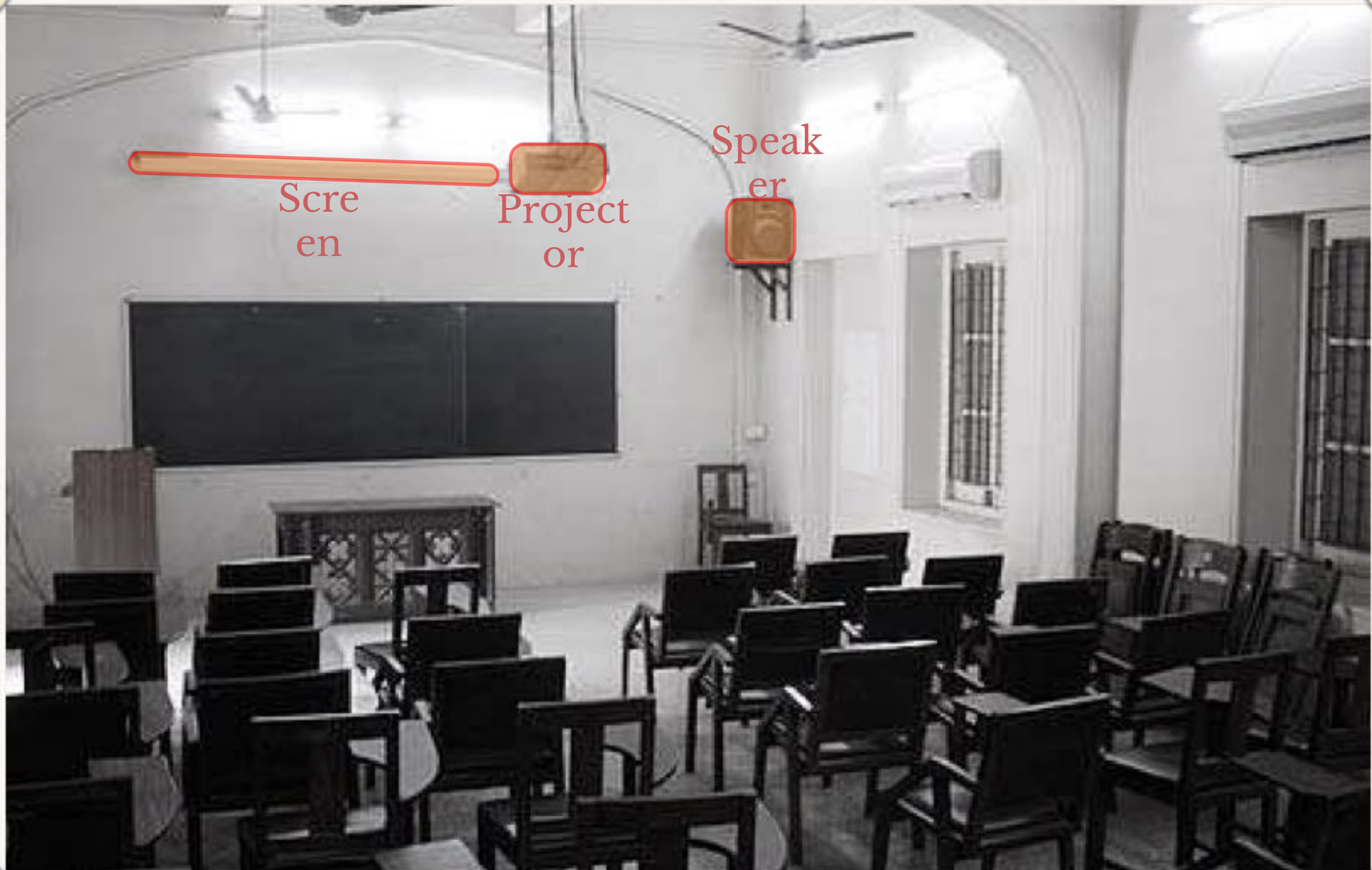
Projectors
Apple tv / chrome cast for mirroring
52 classrooms



ST. XAVIER'S COLLEGE, MUMBAI

150

Est.1869 | YEARS



Solar Power

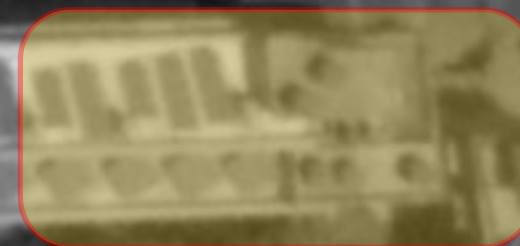
150kv

Small but futuristic
greener campus

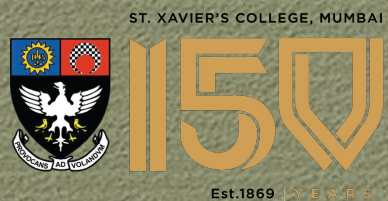
Badaruddin Tayabji Marg



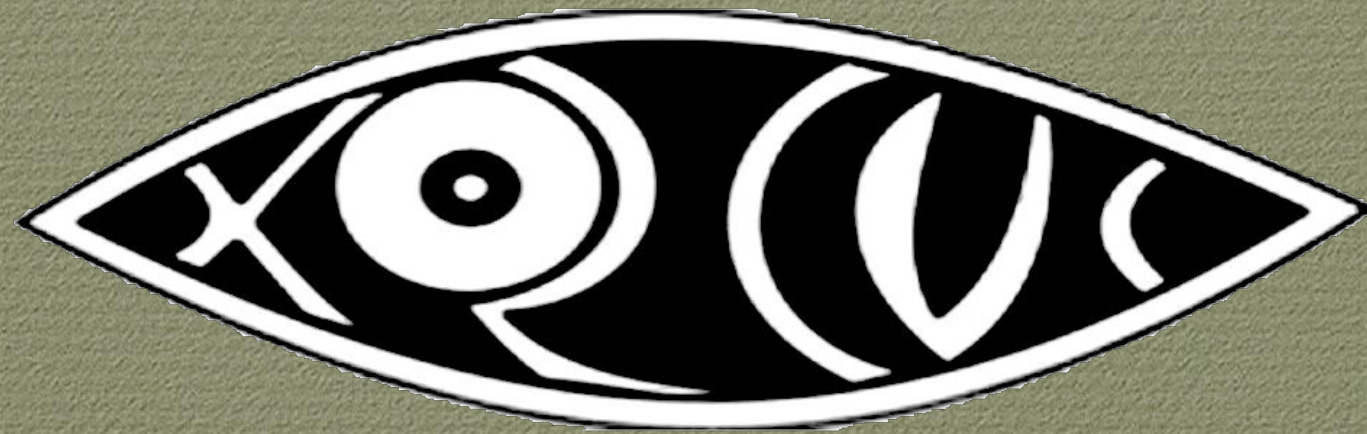
Library



Hostel



NEW FRONTIERS

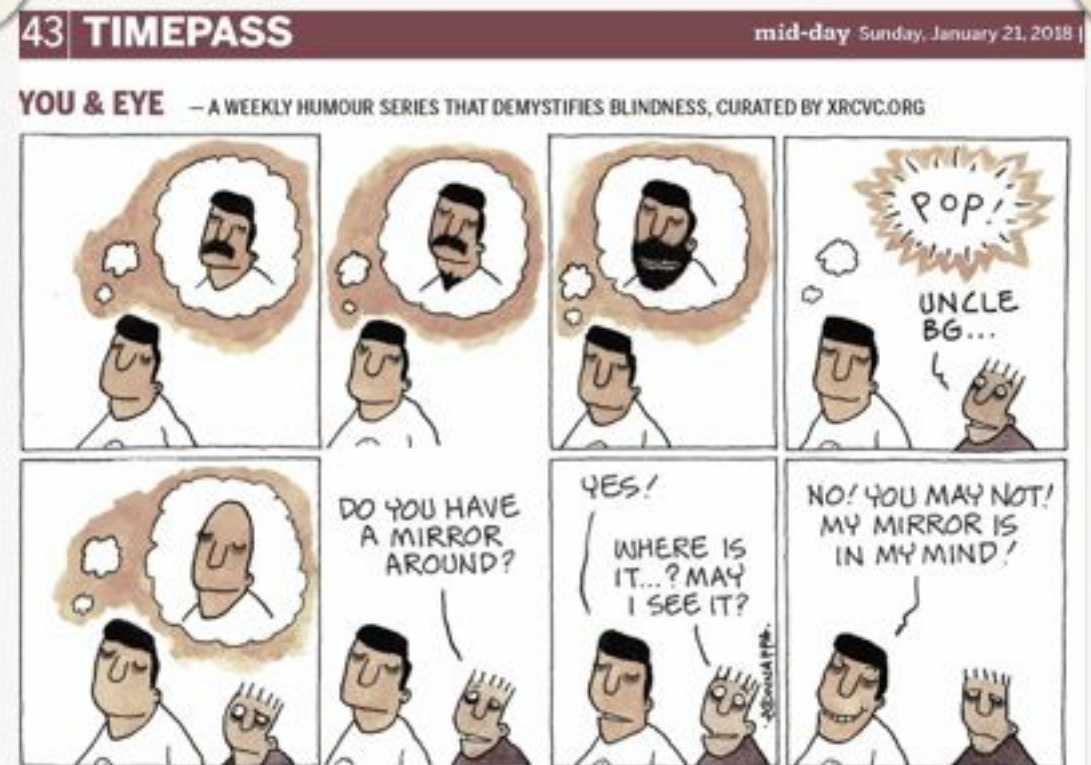


Xavier's Research Centre for Visually Challenged

Total Number of Visually challenged students : 23
Enabled Campus
R&D for new facilities



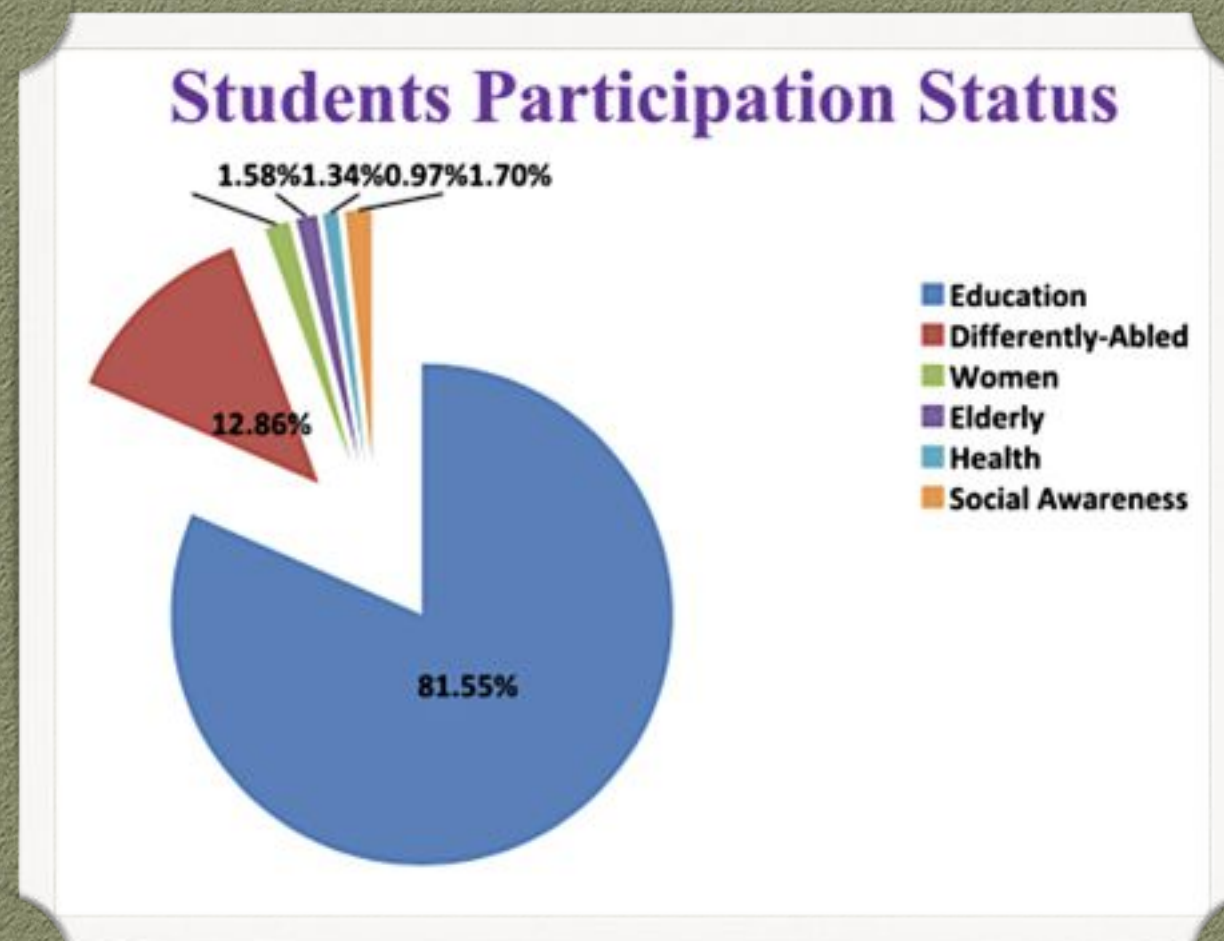
Sam Taraporwala : MasterMind



Weekly Comic strip

Social Involvement Program

Reaching Out to MARGINALISED
Compulsory credits
Face to face



A student's take on SIP

Insert video
here

MORE...

Double blind evaluation

Blooms taxonomy

Exchange credits

Summerinternship

Peer learning

Honours Program

Language lab

Placement cell

solar power

Rain water harvesting

Alumni website

Group insurance
wellness centre

Compost generation

Tetrapack recycling
used paper recycling

THANK
YOU

Dr. Rajendra Shinde, Principal, St. Xaviers College(Autonomous), Mumbai,