FOUNDATION COURSE PRESENTATION REPORT SEMESTER 1 & SEMESTER 2

Date: 15th February

Venue: Room no.106, Royal College

As per the curriculum, every subject has 100 marks criteria out of which 75 marks are for external examination whereas 25 marks are for internal examination. The internal examination for the subject of foundation course involve presenting on various topics related to social and economic issues such as poverty, substance abuse, teenage suicide, violence against women, social media effects on youth. When it comes to conducting presentations there are various ways of conducting them. Professors tend to keep presentations more interactive and interesting as well as knowledgeable rather than just regular powerpoint presentations which helps in better understanding about a topic.

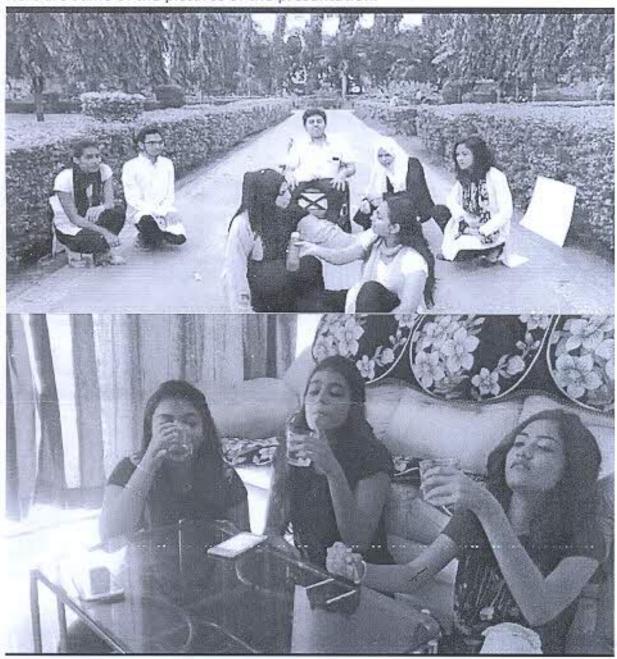
When it comes to foundation course presentations which are conducted by Prof. Madhuri Agarwal of FYBAF the sessions are very interactive and interesting. The Prof asked us to opt for skits, documentary, visits two places such as old age home, health care centers and various other places which helped us to gain knowledge and to explore things other than domain areas in course.

Rather than giving individual projects students were divided into groups of 6-8 students to develop quality of team building, coordination and cooperation. Some groups presented their topics in the form of skit, mime while some also opted for innovative ideas such as draw my thing, street plays and many other such skillful forms of conveying the message. The students contributed whole heartedly and made the presentations sessions a successful one with the guidelines of the motivating team of teachers, and lastly a team of cooperative students.

real

ROYAL COLLEGE 07/33/9

PENKAR PADA, MIRA ROAD, DIST: THANE, PIN: 401107 Here are some of the pictures of the presentation.













Principal

ROYAL COLL FOR OF ARTS

SCIENCE DESCRIPTION

PENKAR PADA, MIRA ROAD,
DIST: THANE, PIN: 401107.

A REPORT ON ENVIRIONMENTAL MANAGEMENT IN FOUNDATION COURSE

DATE: 13th August, 2017

CLASS: SYBMS (Semester 3)

The class of SYBMS was given an assignment to present a news article on new trends in environmental management. Every student of this class came up with very unique and interesting ways used to save and manage the environment. Everyone presented news on various aspects be it spreading awareness about environmental management to preservation of flora and fauna to new technologies used to conserve environment to renewable means used to save energy and many more. Every student worked really hard to find out very recent news and made sure that no news was repeated so that we could have 63 different news.

The class of SYBMS presented news on biogas plant in which the fuel can be generated at home using your household leftovers, successful solar power plant that has lighten up so many villages, algae blooming due to increased used of pesticides and waste, a bacteria that eats plastic and hence helps in decomposition. The class also presented on whale hunting which was a shock to







see how brutally whales are treated. The class very well presented news on Bhopal gas tragedy and what measures were taken to overcome that dangerous tragedy. The class also presented about various inventions to preserve environment. The class was fascinated with how pencil can be recycled and can be grown into a beautiful plant. There was one news about a technology called altered nozzle which could make a huge difference in our journey to save water that really caught everyone's attention. Everyone got introduced to edible water bubbles and edible plates to reduce usage of plastic through this presentation.

It was a great experience to have witnessed how beautifully the news articles were presented. The class did an amazing job to make everyone aware about various environmental management programmes and ways used for waste management, water management, disaster management, etc. This presentation might have contributed its bit towards making the world a better place to live in.





5 3. MOUNTING OF BARR BODY. Am: To observe Bour bodies from buccal smear. THEORY & Humana have 44 autosomes and 2 sox chromosomes. Female has XX, while male has XY sex chromosome is inactivated It is seen as a condensed body near nuclear membrane. This is called Bown body, named after Dr. Murray Bown. In a normal male (xy), there is no Barr body. People with Klinefelter syndrome (xxx) will have two Barr bodies. This became a useful test to confirm gender of the person. The theory behind this was given by Du. Mary Lyon, also called the theory dosage compensation. and acetone), acetocarmine stain, slides and coverslips. PROCEDURE :- Ollow clean water to rinoe your mouth. Dilac a non-rusted spatula to scrape the inside of your cheek. 3 Place it on a slide, make a smear by spheading it evenly and keep in a petri-dish. And a few drops of fixative and cover it for 10 minutes. 3 Now, pour a few drops of aceto-carmine stain and keep for 5 minutes. O Now, carefully pour a few drops of distilled water to dilute the stain and keep for 10 minutes. D Drain off the stains from the slide, wipe it cleanly on the bottom Place a coverslip. @ Observe under high power of compound microscope.

Excerpt for SYBSC Practical Towns

DIAGRAM :-

Squamous epithelium.
Nucleus
Bover body.



RESULT :- Bour bodies were observed.

2-9:

Principal ROYAL COLLEGE OF JUXTS SCIENCE & CO. L. B. CT.

PENKAR PADA, MIRA ROAD, DIST: THANE, PIN: 401107.

Excerpts from Report of Bioscience Dept

4. Visit to Vision International, Dahisar. Class: 38 students of SYBSc

(Zoology)

Date: 23,02.18

The objective was to sensitise students to problems of children affected by dyslexia, autism.

Down's syndrome or other genetic and psychological disorders. Parents of these children have left them in the hands of care-givers at the NGO

Workshop on Vermiculture

Date: 16.09,2017

Class: SYBSc (24 students)

Time: 3 hours

Conducted by: Mr Barkatali Dhanani, Mithibai College

Students were shown a brief PPT, followed by demonstration of vermiculture process.

Movies shown

1 A brief History of Everything

Life of Stephen Hawking Saturday 1st July 2017

- Fresh water series- FYBSe.- David Attenborough
- 3. March of the Penguins Saturday: 7th October 2017
- 4. In the heart of the Sea: 16th December 2017

Project - Nutrition Day:

In the second semester the SYBSe Zoology students undertook group (about 4-5 students) project of BMI. Nutrition Day was organized on 13.01 2018.

Gynan Manthan Competition

➤ Eco -Rangoli Held on 18.08.2016

angoli 2016 DIST. THANE PENKAR PADA, MIRA ROAD, DIST: THANE, PIN: 401107.



SYBSc (Zoo) visit to "Vision Institute for special children on 24.02.2018



FYBSc Zoology Excursion to Rani Baug, Byculla, Taraporewalla Aquarium, Sewri Mud Flats 03.03.2018

el





Department of Hindi

All the activities for the year 2013-14 carried the theme 'Save the girl child.' The topics for the activities aimed to bring about awareness and respect for the women in the society. 3 street plays and 1 skit was organized especially for the rural women of Mira Gaon and girls at 'Ankur' orphanage. All the plays and skit were focused on the most heinous social problem of 'Female feoticide' and 'Infanticide.'

Apart from essay writing and poetry writing on 'Stree bhrun hatya' (female foeticide) a workshop was conducted to train students in the field of media-writing and acting. Skit writing and dialogue writing competition were alsoheld.

Alongwith literary activities, the department aimed to create social awareness and sense of responsibility among the students.

Principal

ROYAL COLLEGE CF ARTS

SCIENCE & COMMERCE

PENKAR PADA, MIRA ROAD,
DIST: THANE. PIN: 401107.

Jahr 85

Students perform on allotted topics in the form of dramas and plays.



Skit based on Female Infanticide-For Ankur Children & Rural Women Of Mira Gaon



8	या	व	टी		**	Ti	ती	(= 1	211
प	ਕ	न		্রা	六		` <i>ल</i>	111	स
क		या	110	6.	न ।	45	गिरु		37
	व	T	ैवा	ला	0.25	san.		ই।	11
त्या	QT		300	of	का		oi.	3	वा
	₹ स	ल	प्त		स	67	ब्र	5	
ख	शं	ब			यो		n		र्व
211			3-1	H	E		2	6-T	ल
ort.	র্ডী	18	411	, N	9-	1		16	H
T		^{3¥} स	GT	11		q	12	8	

CROSSWORD

ON

HUMAN VALUES.

बाएँ से दाएँ -१) इस महीने पड़नेवाला हिन्दुओं का सबसे पड़ां त्यौहार (४)

 इस त्यौहार में लोग दरवाजे पर ऐमी से चिवकारी करते हैं, इस चित्रकारी को कहते हैं. (३)

७) हवा, वायु (३)

वगावत करने वाला (२)

९) योड़े पर नियंत्रण के लिए बंधी रस्सी (३)

१०) घोड़े का प्रिय भोजन (२)

१२) वानगी, डांचा, सैम्यल (३)

१४) हार, घर में प्रवेश का मार्ग (४)

१६) मोमबर्धी, इसके जलने पर परवाने आ जाते हैं |

१८) शव (२)

५९) कण,टूटा हुआ दाना (३)

२१) मान की तरह का एक पेन (३)

२२) सौगंध, शपद (३)

<े४ ∑४) विवस, लाचार (४)

२५) बुर, बेकार, अच्छा का विलोग (३)

२७) जो कभी न मरे (३)

१२४४) चादी (३)

🎺 🕽 उपहार, भेंट (४)

३३) दु:ख, चिंता (२)

३४) सतर्क (३) हिन्दी सुअर (३)

ऊपर से नीचे -

६) दीया (३)

२)_वंबई का प्रसिद्ध नास्ता 'वड़ा - ' (२)

जंगल में विचरण करने वाला (२,२)

४) रंग-विरंगा (३)

५) किंगलेना (३)

६) संध्या (२)

🕢 अन्वान, अज्ञात, अपरिचित, जिसको जानकारी न हो (उर्दू) (४)

१४) गूंगा, लाचार, चुप (२)

१४) इस दिन रावण को जलाते हैं (४)

८ १५) प्राण (२)

१६) नगर, 'गांव' का विलोम (३)

१७) दूध का खोआ (२)

२०) जो काम से जी चुराता हो (२,२)

्२१) संदेशवाहक पक्षी (४)

- २३) होंठ, अधर (२)

२५) अमानत रखी वस्तु को चुग्र लेना (X)

उ६) समाप्त (३)

२७) अन्न (३)

२९) स्थान (३)

३१) गोपों की नृत्य लीला (२)

,३३) श्री सम का एक पुत्र (२)



Principal ROYAL COLLEGE OF ARTS

PENKAR PADA, MIRA ROAD, DIST: THANE. PIN: 401107

Arts Association

2017-18

12.07.17 Movie 'Hidden 74 FY/SY/TYBS and 1. To encourage students to be self-motivated, determined and perseverant in their academic pursuits. 2.07.17 Movie 'Lipstick 23 TYBA To familiarize students with patriarchal norms and stereotypical image of women in Indian society. 3.08.17 Talk on 'Healthy 110 Open to all freshing thebits among ithe students. 5.08.17 Talk on 65 TYBA To create awareness about Students. 12.07.19 Movie 'Lipstick 23 TYBA To familiarize students with patriarchal norms and stereotypical image of women in Indian society. 13.08.17 Talk on 'Healthy 110 Open to all freshing thebits among ithe students. 14.00 To create awareness about Students. 15.08.17 Talk on 65 TYBA To create awareness about Students. 15.08.17 Talk on 65 TYBA To create awareness about Students. 16.00 TyBA To create awareness about Students. 17.00 TyBA TryBA To create awareness about Students. 18.00 TyBA TryBA To create awareness about Students. 19.00 TyBA TryBA TryBA To create awareness about Students. 19.00 TyBA TryBA T	SR.	DATE	E	NO OF STUDENTS PARICIPATED	BENEFICIARY	OBJECTIVES	OUTCOME
Movie 'Lipstick 23 TYBA To familiarize students with Developed understanding of stereotypical image of women of stereotypical image of women of make and respecting. Talk on 'Healthy 110 Open to all for introduce the concept of 1. Students gained an healthy and by diets. Talk on on the students among into maintaining good with healthy and by diets. Talk on 65 TYBA To create awareness about Students learned reproductive anatomy and sexual and reproducible intentional intentions.		12.07.17		74	FY/SY/TYBS and SYBSC	To encourage students to be self-motivated, determined and perseverant in their academic pursuits. To stimulate a discussion on racial and gender prejudices – its impact on personal and social mounts.	Students to pursua determin obstacles able to threats gender personal growth.
Talk on 'Healthy 110 Open to all To introduce the concept of healthy cating habits among the students. Talk on 65 TYBA To create awareness about reproductive anatomy and physiology.	7/	2.07.17	Movie 'Lipstick under my Burqa'	23	TYBA	To familiarize students with patriarchal norms and stereotypical image of women in Indian society.	Developed understanding relevant issues choices wome make and resp
Talk on 65 TYBA To create awareness about Students lear reproductive anatomy and sexual and liealth; liealth and liealth and liealth and right.	1 7/	3.08.17	Talk on 'Healthy Diet'	110	Open to all	To introduce the concept of healthy cating habits among the students.	
	1.11	5.08.17	factive	92	ROWAL CO.	awareness al	Students learned about sexual and reproductive health and reproductive

Principal
JAL COLLEGE CF ARYS
JALICE & COMMERCE
PENKAR PADA, MIRA ROAD,
DIST: THANE, PIN: 401107.

Arls Association 2017-2018

* \2	5	~	
26,09,17	23/09/17	14.09.17	
Leadership Skill'	Talk on orientation to masters in Psychology at TISS	Movic 'Driving Miss Daisy'	
poor and .20	62	40	
Open to all	FY/SY/TYBA	FY/SY/1'YBA	*
To enable students leaders to reflect on, reinforce and practice their values as well as build their knowledge and use resources for self development and community.	To give general guidelines for entrance exam, personal interview and group discussion. To help students to prepare Statement of Purpose. To orient the students to the course content of MA at TISS	To educate students about Alzheimer disease.	
1. Students identified their leadership skills. 2 Students learned how to hone their learlership skills.	Students learnt the general guidelines to prepare a Statement of Purpose, they were informed about the admission process at TISS. They also learned about the guidelines to prepare for the entrance test, personal interview and group discussion. They learned the scope of master's in psychology and Social Work at TISS.		creative skills in developing games. They were also able to develop their presentation skills, organizing skills and communication skills.

Parveen show the

DIST. THANE

TAL COLLEGE OF ARTS
CHENCE & COMMERCE
PENKAR PADA, MIRA ROAD,
DIST: THANE, PIN: 401107.

					development	3 Students exhibited responsible decision making and personal accountability.
* 5	27.09.17	Talk on 'Emergency Steps in Elderly Care'	52	FYBA	To enable elderly to manage trauma, minor injuries and deal with emergency situations. To improve quality of care and safety of elderly.	Elderly learned: 1. To open and maintain airway. 2. To manage active bleeding. 3. To perform lifesaving procedures. 4. Shock management.
12	10.10.17	World Mental Health Day Observance	66	FY/SY/TYBA	To create awareness about importance to care for mental health To provide a platform to students to prepare concise, interesting and informative brochures	Students were able to create concise, interesting and informative psycho educational brochures. It created an opportunity to sensitize students and faculties to the importance of mental health and care for the same.
13	3.40.17 & 1.12.17	Visit to Home for the Aged	20	SYBA	To Sensitize students to the problem of the elderly To have respect for elderly people.	Students became aware of the problem of the elderly.
14	6.10.17	Talk on 'Womenhood, Health & Hygiene'	63	ТҮВА	To educate girls about menstrual health and hygiene and sexually transmitted disease	Students gained an understanding about care during menstrual cycle, PCOS and the need to abstain from unsafe sexual

Tarreenshailch

PENKAR PADA, MIRA ROAD, DIST: THANE, PIN: 401107. Ards Assemblation 2017-18

With the water		A CONTRACTOR OF THE CONTRACTOR	9	FY/SY/TYBA	To educate students about the effects of Post Traumatic Stress Disorder(PTSD) To educate students about [Ergonomics] – the field that focuses on designing products, machines and work	Students were able to describe the effects of PTSD and recognize the importance of designing products, machines and work environment that consider human factors.
16 12	12.12.17 & 6.01.18	World's most dangerous drug Documentary	24	FYBA SY/TYBA	human factors. To create an awareness about the biopsychosocial impact of drug abuse	Students were able to recognize the biopsychosocial impact of
17 15.1	15.12.17	Talk on Financial Planning for Medical	69	TYBA	To assess their financial status To set financial goals for medical expenses.	and abuse. Improvement in health and well being of students and their family.
81 1.61	19.12.17	Expenditure on Talk on 'Understanding human behaviour'	84	FY/SY/TYBA	To help students recognize the significance of interpersonal interaction To facilitate an opportunity for students to learn	Students recognized the significance of interpersonal interaction. Students learnt techniques for effective interpersonal
0.11	11.01.18	Visit	52	FY/SY/TYBA	techniques for effective interpersonal interactions. An exposure to the	interactions.

Tarreen shirld.

ALL GOLLEGE CELLES

ALL GE & COMMERCE
PENKAR PADA, MIRA ROAD,
DIST: THANE, PIN: 401107.

Arls Association C. 2019 - 2018

				remediation programme for special children.	children. They were also sensitized about the challenges of special children. The visit facilitated a healthy interaction with special students.
25 25/01/18	Movie 'Darmiyan'	30	TYBA	To increase students awareness and understanding of the multidimensional nature of sexuality.	Students Jeamed to respect multiple identities
26 3/03/18	Visit to Mani Bhavan	50	TYBA	To familiarize students with the life history of Mahatma Gandhi and his contribution to India's freedom struggle and the relevance of Gandhian thought today.	Students gained some insight into the life of Gandhiji.
27 3/03/18	Movic 'October Baby'	80	FY/SY/TYBA	To enable students to appreciate their lives To help students value the vitrue of forgiveness	Students were able to recognize and appreciate the value of life and the importance of forgiveness
28 3/03/18	Talk on Redefining self	40	XI Arts	To create an awareness about the influence of self-perception on self-development.	Students recognized the impact of self-perception on self-development. They were able to identify practical strategies to deal with unhealthy self-perception. The student coordinators developed

ROYAL COLLEGE CEARIS SCIENCE & COMMERCE PENKAR PADA, MIRA ROAD, DIST: THANE, PIN: 401107.

Torrect should.

2. All club activities:

Arts Association:

Sr. No	Date	Activity	Objective	No. of Participant	Full Name of Resource
1	July- August	Tree Plantation	To fight deforestation and give back to nature by way of reforestation.	20	¢.
2	17/8/13 & 24/8/14	Workshop on Paper bag making	To promote the making and use of environment friendly paper bags in place of plastic bags.	30	Prof. Radhika.
3	Once in a week (July to Feb)	Gyan Daan	To help our students to share their knowledge/ skills with the less privileged.	20	10
4	19/8/13 to 21/8/13	Add on course in Disaster Management	To train and prepare students mentally and technically to deal with emergencies arising out of situations like natural calamities and manmade calamities.	30 (SYBA)	Mr.Hitendra Acharya, MBMC
.5	27/9/13	Talk on RTI	To familiarize students with RTI	40 (TYBA)	Mr.K.Raghu vanshi, RTI Activist
6	28/9/13	Screening of documentary on M.K. Gandhi	To acquaint students with Gandhiji's life and philosophy.	80 (FY/SYBA)	-
7	28/9/13	Talk on Career in Disaster Management	To expose students to various avenues of career in disaster management.	54 (TYBA)	Mr.Hitendra Acharya, MBMC
8	28/11/13	Talk on 'Positive Thinking'	To help the young equip themselves to face the challenges and pressure of life.	40 (SY/TYBA)	Mr. Vikrant Spiritual Councellor, Bhakti Vedanta
9	13/1/14	Add on course in First Aid	To train and prepare students mentally and technically to deal with emergencies arising out of situations like natural calamities and manmade calamities.	20 (FYBA)	Mr.Hitendra Acharya, MBMC
10	8/2/14	Visit to Kala Ghoda Festival	To familiarize students with the art forms of various states and how to	25(SYBA)	(2)

Torversbeileh



PENKAR PADA, MIRA ROAD, DIST: THANE, PIN: 401107.

Asls Association

2012 - 3019

	1	entrara an e	make best out of waste.		
17	8/2/14	Talk on career in Civil Services	To motivate students to take up career in civil services.	50 (SYBA)	Dr.Mahesh Bhagwat, Mithibhai College
12	27/2/14 & 21/2/14	Visit to adopted area Munshi Compound	Voters Id Abhiyan To create awareness about right to vote.	10(SYBA)	
13	22/2/14	Visit to Manibhayan	To acquaint students with Gandhiji's contributions to the nation and humanity	40 (FYBA)	NT-SI
[4	:25/2/14	Visit to Ankur Children Home	To help students have a feel of the working of shelter homes and the care extended to the needy.	T0 (FYBA)	-
15	26/2/14 & 1/3/14	Visit to Anmol Children Home	To help students have a feel of the working of shelter homes and the care extended to the needy.	20 (FYBA)	
16	27/2/14	Visit to Sneha Sagar Aged Home	To help students familiarize with issues of old age, interact with the elders and provide them entables that they crave for.	10 (FYBA)	-

Torreen shailde

2:05

Principal
AL COLLEGE OF ARTS

PENGE & COMMERCE PENKAR PADA, MIRA ROAD, DIST: VHANE, PIN: 401107. MICROBIOLOGY DEPT

Research Project.

Decolourization of Acid Blue Dye by Bacterial Isolates from Local Effluent

Chapra Tohra, Sayyad Taslim, Bhoir Nilangee, Vilasini Gaode* Department of Microbiology, Royal College, Mira Road, Dist. Thane 401107

Abstract

The treatment of textile effluents containing dyes has been carried out by various physical and chemical methods over the last two decades for the removal of colour from waste water. These methods have limited applicability as they are expensive and lead to the production of solid waste. The treatment processes based on microorganisms capable of degrading these dyes are environmental friendly and can lead to complete mineralization. A study was undertaken to isolate bacteria capable of decolourizing / degrading acid blue 113 dye_which is widely used in small scale dyeing industry. Enrichment and isolation was done Bushnell and Haas medium with 50 ppm dye. Three isolates showing zone of decolourization were selected. Cultural, morphological and biochemical characteristics were studied. Decolourization ability was studied by tube method and plate method. Plate method gave more promising results. Effect of pl1 and temperature on decolourisation was studied. The isolates can be explored for their potential to bioremediate waste water containing this dye.

Incharge - Milao Dept



Principal

ROVAL COLLEGE TO SECTION S

PLACE AND PRODUCTION OF ROAD,

11 STANKE PIN SEPTION.

Microbiology DEPT

Research Project

BIOREMEDIATION OF TEXTILE DYE BY ISOLATES FROM LOCAL EFFLUENTS

INTRODUCTION:

- The words in his years of them which extensively use symbletic thermoals as dyes.
- Oyes are aremais and heterocyclic compounds, some of their being:
- Whate order from testile industry page a threat or environment. Several physic chemical techniques have been proposed for the treat riest of colored testile effluent
- All these physical or channel methods are very expensive and results
- o large propert of sledge.
 Therefore exercises and exic seriouslidge is will important. Biotempdivice has been identified as a cost effective and environmental friendly abstrative for disposal of textile officers.
- The reident study was undertaken to idolate microorganisms capable of degrading and decelorizing. Acid Blue 113 dye used 1 industry situared in Perkamada region, Mira Road, Marrital Acid Block 117 is commercially important diaso dynamic exeminely used in sestile in-

ALMS AND OBJECTIVES:

- Collection of textile wente water offluent sample.

 Enrichment using Businell and Pass broth with 50 pgps of disk.
- Isolation of Acid this 110 dye degrading bacteria from effluent-
- Mamboling call and biochemical obstracted action of isolates
- Preservation of isoletes on Nutrient againstant.
- Dye desplecification ability by place and tube method

MATERIALS AND METHODS:

White wasneffluors from the author of local ments induces was

- Entidence: using Bushnell and blass modio and Acid blas 113 eye as a cole source of C was done.
- horistion on plates of 30 ppm concentration of dye was even. The place ware insubance for 45 hours or room temperature.
- The same of clearance was observed. Characterization

Colony characteristics were stuffed and Grams staining was dank after 24,48 and 72 hours.

- Biochemical test were performed for the identification of cultures. Indo-c, Center, Methyl and V.P. Carbahydran forments. part TSI, LDC &LDT, HL Una , Cavilise , PPA, and Goodese tests
- Cultures were preserved on starte nur ion again dance Doedstall graters



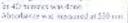
Plates of different concentrations of disc over prepared by (1-10). dikrien of tooks in Binhadl and Bast birt

Spot moor fation of the three wallies on plates with different concontrations (20, 40, 60, and 80,000) into done. The plans were incubated for 48 hours at room temperature.

Zone of elemente was observed and measure

The ratios of consecutation 20, 40, 60,000 people were proposed. By 11 - 0/ 5 locote of the stocks in Buddeell and Hasa beeth and in-

Aniasal with 0.1 mi culture rabio & Glass tiffeen surperzure was dane Cerefigation of 2000 part





RESULTS

- I.Primary nor state with sore of desclosifications Place of 50 ppm dye concernsion
- 2. Characterization: Colony characteristics and Chara's Nonec was marked

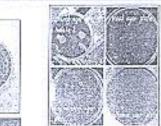
Abunateria.			
15	Victory	Greans	(1) Here's
520	4 nini	2mm	2.60
Slage	Circular	Circular	Casular
Cataon	White	white	Change
Grands the	Green post-	Gram pasi-	Gram pos
101e	98	AT	9.7
	coccoid	coccoid	coccoid
Chicase	(4)	(+)	
Machinel	(+)	(+)	
trisiste	1.	· V	
Methyl red.	22	100	
	24		
Charte	-7	4	
Albrete	7		
tirco	-0.0		
100 -101		10.	
Distant	3-1	(4)	
1924	200		
stoldage -			
40			

sole acc Splin Sec. in

of the land 2015 Same SILLA Critician

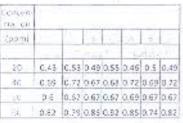
Dvy discolour isotion: Corner SEVEROCE ST 18mm 25 mm 40 open 17mm 12mm 60 ppm 10mete







- Decelerrization was observed in tube of supput dye indenfaced. with isolate g.
- Growth was observed in tubes inquilated with isolate a mind often these was no considerable degradation.





CONCLUSION:

- Endow I and 2 were take to wire the part 100 gam concentration and decision as 20 and 50 ppm concentration. Bolde 3 was 40 to decisione up to 100 ppm concentration. Thus there invaries can be used for biogenediation of seedic efficient.

GUSTREPROSPICTS:

- Mary bushoused testagend 16 and NA segrencing for identification
- To aback dye deportation under slicker conditions.
- Optimization parameters for the regraders To she's the deposition ability of isolates outlimber dyes

REFERENCES:

- Recognification of Represents Businessings
- R. Karolandon, K. Saroshar Eustral and K. Karoshahalimali, A. Litera-bad Bulet, Rev. 1912, P.D. 57-62 K. Bayaran, B. Yeba-khana and K. Ujayaranan, J. Marabiol. Base, S. Rev. 1913, \$155, \$242.
- E. Unangeneral and A.S. Daniel, banea, S. Frangy Firence, 1809, 4, 805
- 2. Nober, C. Zohova, D. Billo, A. Shovani, R. Elavoni, and A. Poposio, Indooral System, 2009. S. 154-163.
- a sign annalization at the tip to the model/Latera willing

Inchange. Micro Dept.



Principal RVYAL COLLEGE OF ARTS SUBMICE & COMMERCE PENKAR PADA, MIRA ROAD. DIST : THANE, PIN

NoTICE Microbiology Department

What is Intellectual Property Rights & Patents? What are the prospects in IPR?

An interactive talk has been organized to understand the Categories of IPR, laws for protection of IPR, its scope & application on 09th March 2018.

Resource person: Ms Nidhi Bangera(Alumnus) Bsc Microbiology, LLB - Specialisation in patent rights & working as an assistant lawyer

Audience: TYBSe students

Venue: Room No: 117

Time: Ham to 12 noon

Radhika Deenga (Inchange Mino Dopt)



Principal
ROYAL COLLEGE OF ARTS
SCIENCE & COMMERCE
PENKAR PADA, MIRA ROAD,
DIST: THANE. PIN: 401107.

PHYSICS DEPARTMENT An Except from Activity Report. REPORT ON SAVE ELECTRICITY 2017-18

- 1. This year save electricity volunteers were from FYBSc Class and SYBSc Class
- 2. The volunteers were taking frequent round in each floor to check the wastage of electricity
- They found many times students forget to switch off the fans and lights when they leave the class. After switching it off volunteers were making report of
- 4. Sometimes very less students switch on all the lights and fans in the classroom
- 5. To save the electricity, college management had installed solar lights in the campus
- College had also started to change the old lights with the new LED lights, which can save electricity
- 7. It was also observed that in the labs and other parts of the college, there was very less wastage of electricity
- 8. After comparing last two years meter readings, it was observed that in some of the months electricity usage is decreased while in some of the months it is increased
- 9. To increase the save electricity awareness amongst the students, Royal Physics Club had organized poster making competition based on save electricity
- 10. All the posters were displayed on notice boards

Suggestions:

- Replacement of old lights with new LED lights
- 2. Installation of solar power system in the college
- 3. One volunteer from each class to check the proper use of electricity in their class
- 4. Guest lecture to increase the awareness about save electricity



Excerpt from Activity Report of Physics Dept

- After comparing last two years meter readings, it is seen that in some of the months electricity usage is decreased while in some of the months it is increased
- Volunteers doesn't get sufficient time to round because of their lecture and practical
- 3. Students normally forget to switch off the inside board buttons
- To increase the save electricity awareness, Physics Club had organized poster making competition based on save electricity
- Due to difference in working days some time it was difficult to take meter reading on exact same date as that of previous year
- Sometimes very less students switch on all the lights and fans in the classroom

Suggestions:

- 1. Main switch in each classroom
- One volunteer from each class to check the proper use of electricity in their class
- 3. Use of Solar and wind energy to generate electricity
- 4. Guest lecture to increase the awareness about save electricity
- 5. Instruction to Staff to check the electricity wastage in the college
- 6. We should have more activities to save electricity



EXTENSION ACTIVITY OF THE DEPARTMENT OF PHYSICS

Activity: Save Electricity

Objective: To increase the awareness about saving electricity amongst the students

A step was taken by the department towards saving the electricity inside the college premises. A team of FYBSc students were continuously taking round on every floor to check about the misuse of electricity. Their task was to check all the empty classrooms and labs whether light and fans were switch OFF or not. If it was switched ON, they switched it OFF and made the report about it. The students also took the meter reading every month to get proper statistic about the electricity usage.

The following students from FYBSc were part of the "Save Electricity" campaign

- 1. Arjun Auti (Roll No. 74)
- 2. Ekvira Pasupaleti (Roll No. 57)
- 3. Antima Singh (Roll No. 68)
- 4. Vivek Gupta (Roll No. 77)

Following were the observations were made during the rounds taken by the students

- All the fans and light of the empty classrooms were switched ON, even when there are no students.
- Sometime half of total fans and lights were switched ON which had switch board in the back side of the classroom.
- 3. Very few students in the class but still all the fans and light were switched ON. Based on the above observations the following suggestions were made:
- Make one class representative to look after the class when the lectures are over.
- 2. One common main switch in every classroom.



Principal ROYAL COLLEGE TEARTS SCIENCE GO LL. CU PENKAR PADA, MIKA ROAO, DIST: THANE, PIN: 401107, Janoggy

MATHSHOW

As a part of GYAN MANTHAN 2014, Maths club organised Mathshow-2014, an intercollegiate Project Presentation Competition in Mathematics on 10th December 2014 from 10:00 am to 3:30 pm.

There were 22 groups from different colleges. Totally 37 students presented topics on wide range of topics in pure mathematics and applied mathematics. The projects were presented using power point.

Dr. Anil Vaidya of Vaze college, Prof.Arundhati Bane of Vartak college were the esteemed judges for the show.

The prize WINNERS of the show were:

9

9

Prize	Name	College	Topic
1	Dhaval Furia	Vaze College	Rubik's Cube
1	Akshay Kardak	Vaze College	Analytic Functions
2	Shubham Jaiswal & Shubham Darekar	Royal College	Google Page Ranking
3	Sagarika Kanojia Anagha Dhuri	Khalsa College	Fractals

Consolation prizes:

Sr.no	Name	College	Topic
1	Tushar Modak	Vaze College	Laplace Transforms
	HOUSE LANCE CONTROL OF THE STATE OF THE STAT	DE GE	.00

Khatagaankas

Principal
ROYAL COLLEGE OF ARTS
SCIENCE & COLLEGE OF ARTS
PENKAR PADA, MIRA ROAD,

Details of participants:

94

Pt. No.	Name of the Participants	Name of the college	Topic of presentation
1.	Saba Shaikh Meenakshi Rathod	Khalsa College	Nash Equilibrium
2.	Sagarika Kanojia Anagha Dhuri	Khalsa College	Fractals
3.	Rimsha Modak Tasneem Khan	Royal College	Graph Theory
4.	Dhaval Furia	Vaze College	Rubik's cube
5.	Saifil Momin Danish Shaikh	Royal College	Cryptography
6.	Sankit Achrekar	Vaze College	Four colour problem
7.	Qudsia Aiswarya	Royal College	Mathematics behind GPS
8.	Ajay Shinde Amit Yadav	Vaze College	2048 Puzzle
9.	Shubham Jaiswal Shubham Darekar	Royal College	Mathematics behind Google page ranking
10.	Swapnesh Khade Vishal Lohar	Vaze College	Knot's Mathematics
11.	Akshay Kardak	Vaze College	Analytic functions
12.	Hrushikesh Guruji	Vaze College	Hyperbolic functions
13.	Tushar Modak	Vaze College Principal	Laplace transform & its applications

SCIENCE S CO. E. CV PENKAR PADA, MIRA ROAD, DIST: THANE, PIN: 401107.

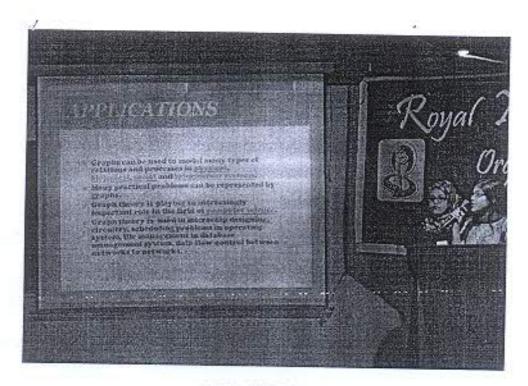
14.	Raviraj Mehta	Vaze College	Optimization of tree in Matrix and its application
15.	Nalini Manoharan Savita Dande	VES College	Bee's Algorithm
16.	Sabra &Vandana	VES College	Proof without words
17.	Jayesh & ruksar	VES College	Group theory & Mathematical approach to solve Rubik's cube
18.	Harleen kaur Niveditha Tiwari	Khalsa College	Tesseracts
19.	Deepa Maurya	Vaze College	The 16 th Letter in Greek Alphabet
20.	Jenab Shah Richelle Anchan	Vaze College	Cryptography and its applications
21.	Shabnam Panjekar Priyanka Mishra	NES Ratnam College	Knight's Tour
22.	Priyadarshini Chettiar Rohit Upadhyay	NES Ratnam College	Graph theory and its applications in networking

9

9

3





MATHSHOW



MATHSHOW OF THANE

ROYAL COLLEGE OF ARTS SCIENCE & COLL. ELCI PENKAR PADA, MISA ROAD, DIST: THANE, PIN; 491192

DEPARTMENT OF PSYCHOLOGY

Palliative Care - A Psychological Approach

Course Objectives:

SYLLABUS.

- To orient students to palliative care
- > To understand the role of psychology in palliative care

Course outcomes:

- Define palliative care
- > Identify the various sub-fields in palliative care
- > Apply principles of palliative care in real life situations

Unit 1: Introduction to Palliative Care: Definition of Palliative care, Scope of palliative care: Sub-fields, types (pediatric, geriatric) and disease types.

Unit 2: Goals of palliative care: General Assessment and intervention in symptom management, pain management, Depression in palliative Care.

Unit 3: Guidelines for Health Workers Supporting Families: Challenges of families of palliative patients, interventions and education of families providing care at home.

Unit 4: Psychosocial Care: Dealing with depression, pain management techniques, grief therapy, coping management. Complementary therapies - imageries, relaxation exercises, breathing exercises.

KIR Darribagi

1 - 05.



Principal
ROYAL COLLEGE OF ARTS
SCIENCE & COMMERCE
PENKAR PADA, MIRA ROAD,
DIST: THANE. PIN: 401107.