

# PRAMUKH SWAMI SCIENCE & H. D. PATEL ARTS COLLEGE, KADI

Re - Accredited Grade 'A' ( CGPA -3.20)

**College with Potential for Excellence (CPE)**

**AAA Rank 1**

**Programs for Slow Learners and Advanced  
Learners**



# Programs for Slow Learners

- Remedial Coaching
- Extra Practical Sessions
- Assignments
- Extra Lectures
- Personal Counseling
- Question Paper Solving

# Remedial Coaching

PATEL MANKAD & Co.  
Chartered Accountants  
D. B. PATEL B.Com. F.C.A.  
H. D. PATEL B.Com. A.C.A.

Phone : Offi. : 2460360, Resi. : 27450941  
"Kamal Complex"  
Sheth C.G. Road, Navrangpura,  
AHMEDABAD - 380 009.

Pramukh Swami Science & H.D.Patel Arts College, Kadi

Statement showing the expenditure incurred in Recuring Amount during the U.G.C  
12th plan period (Merge Scheme) for Remedial Coaching SC/ST/OBC and Minorities

Grant Utilised During : 01-04-2012 to 31-03-2015

(Financial Year : 2013-2014)

Sr. No.	Name of Resource Person	Utility Head	Date	Recurring expenses	Total Amount Rs.	Vou. No.
1	Mr.Apurv G.Patel	Honorarium	12/2/2014	6000.00	6000.00	721
2	Mr.Apurv G.Patel	Honorarium	24/2/2014	270.00	270.00	763
3	Mr.Apurv G.Patel	Honorarium	1/3/2014	6000.00	6000.00	779
4	Mr.Kiran B.Patel	Honorarium	11/3/2014	1500.00	1500.00	806
5	Mrs.Neeta R.Patel	Honorarium	11/3/2014	7500.00	7500.00	807
<b>Total</b>				<b>21270.00</b>	<b>21270.00</b>	

it is certified that all of the above grants have been utilised as per the term and conditions of the grant in conformity with the XIIth plan guidelines

Date : 15-07-2015

Place : Kadi

  
Principal  
P. S. Science & H. D. Patel  
Art's College KADI (N.G.)

EXAMINED & FOUND CORRECT

For PATEL MANKAD & CO  
CHARTERED ACCOUNTANTS

  
(Harshad D. Patel)  
Partner  
(Membership No.38200)



PRAMUKH SWAMI SCIENCE & H.D.PATEL ARTS COLLEGE, KADI

B.Sc SEM-V & VI

*Thakurdev Prayog Karmay*

Jan-2017

Remedial Coaching

Year: 2016--17

Chemistry

Sr. No.	Roll No.	Sex	Surname	First Name	Last Name	Date	31/1/17	5/2/17	7/2/17	10/2/17	12/2/17	13/2/17	14/2/17	17/2/17	19/2/17	20/2/17	21/2/17	23/2/17	24/2/17	26/2/17	27/2/17	
1	101	F	BARIIYA	TEJALBEN	VIJAYBHAI	S.T.	P	P	A	P	P	P	A	P	P	P	A	P	P	P	P	A
2	102	M	BAVALIYA	AJITBHAI	DALASUKHBHAI	OBC	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	A
3	103	F	BHABHOR	TEJALBEN	SHAMJIBHAI	S.T.	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	A
4	104	M	CHAUDHARI	JAYMINKUMAR	MANUBHAI	OBC	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	A
5	105	M	CHAUDHARI	PARTHKUMAR	SARJOBHAI	S.T.	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	A
6	106	M	CHAUDHARI	YASHKUMAR	BABUBHAI	OBC	P	P	A	P	P	P	P	P	A	P	P	P	P	P	P	A
7	107	M	CHAUDHARY	SAHILKUMAR	ASHVINBHAI	OBC	P	P	A	P	P	P	P	P	A	P	P	P	P	P	P	A
8	108	F	CHAVADA	PARULBEN	JASHVANTBHAI	S.T.	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	A
9	109	F	DARAJI	HIRALBEN	KIRTIKUMAR	OBC	A	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A
10	110	F	DEVDA	JALPAKUMARI	DAUDBHAI	S.T.	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	A
11	111	F	GAJJAR	NEHA	DIPAKBHAI	OBC	A	P	P	P	P	A	P	P	A	P	P	P	P	P	P	A
12	112	M	GAMIT	SANJAYBHAI	BHARATBHAI	S.T.	A	P	P	P	A	P	P	P	A	P	P	P	P	P	P	A
13	113	M	GARASIYA	PARTHKUMAR	SALUBHAI	S.T.	P	A	P	P	P	A	P	P	A	P	P	P	P	P	P	A
14	114	F	GORASAVA	POONAMBEN	BHCOOPATBHAI	OBC	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	A
15	116	F	KHARADI	PRITIBAHEN	ALKHABHAI	S.T.	P	A	P	P	P	A	P	P	A	P	P	P	P	P	P	A
16	118	F	LABANA	ARPITABEN	RUSHIBHAI	OBC	P	P	P	P	A	P	P	A	P	P	P	P	P	P	P	A
17	119	M	MAKWANA	MAYURKUMAR	CHANDRESHBHAI	S.C.	P	P	P	P	A	P	P	P	A	P	P	P	P	P	P	A
18	121	M	MODI	PARTHKUMAR	MUKESHBHAI	OBC	P	P	A	P	P	P	P	P	A	P	P	P	P	P	P	A
19	122	M	NAYI	RAVI	SURESHBHAI	OBC	A	P	P	P	P	A	P	P	P	A	P	P	P	P	P	A
20	123	M	OZA	MAYURBHAI	NAVINCHANDRA	OBC	P	P	A	P	P	P	P	P	A	P	P	P	P	P	P	A
21	124	M	PANCHAL	DHAVALKUMAR	BHARATBHAI	OBC	A	P	P	P	P	A	P	P	P	A	P	P	P	P	P	A
22	125	M	PARANALIYA	GAUTAMBHAI	KEHUBHAI	OBC	P	P	A	P	P	P	P	P	A	P	P	P	P	P	P	A
23	126	M	PARANALIYA	HITESHBHAI	AMBARAMBHAI	OBC	A	P	P	P	P	A	P	P	P	A	P	P	P	P	P	A
24	127	M	PARMAR	AJAYKUMAR	ARVINDBHAI	S.C.	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P	A

*ASOM*

P4 P5 P6 P7 P8 P9 P10 P11 P12 P13 P14 P15 P16 P17 P18 P19 P20 P21 P22 P23 P24

# Programs for Advanced Learners

## Capability Enhancement Programs

- **Crash Workshop – BT-CBC by GSBTM, DST, Govt. of Gujarat**
- **Career Counseling**
- **Guidance for Competitive examinations**

## Seminars / Workshops and Training Programs

- **Participation in State level Science Exhibition**
- **Organization of Training Programs**
- **Participation in Industrial training and Internships**

# Biotechnology Capacity Building Cell

The institute has regional center of Biotechnology Capacity Building Cell (BT-CBC) recognized by Gujarat state Biotechnology Mission (GSBTM), DST, Government of Gujarat under the scheme of N-BT CBC since 2010.

In BT-CBC, the college organizes crash workshop for students to prepare them for national level Post Graduate Entrance examination particularly JNU Combined PG Entrance examination, IIT-JAM and others.

**Sarva Vidyalaya Kelavani Mandal managed**  
**PRAMUKH SWAMI SCIENCE & H. D. PATEL ARTS COLLEGE, KADI**  
NAAC Reaccredited 'A' Grade (CGPA 3.20), College With Potential For Excellence by UGC, AAA Rank 1 by Govt. of Gujarat

**GSBTM RESPONDER**

**Network of Capacity Building Cells in Biotechnology [N-BT-CBC]**  
**CRASH WORKSHOP – BT – CBC**

**Concept**  
The success in 'Transcripting Brighter Bio Future' from the neo tool-Biotechnology shall need world-class man-power and both the state and the central governments are working towards it. The Gujarat State Biotechnology Mission [GSBTM] formed under the aegis of Department of Science and Technology, Government of Gujarat, and operational with a few Sector Specialists headed by a Mission Director since April, 2004, is also taking some small but discrete steps towards development of an Institutional Network for Capacity Building Cells [N-BT-CBCs] in the field of Biotechnology. It is being envisaged that structured mentoring and provision of an institutional framework of Cells for Capacity Building shall help the budding biotechnologists to aim and hit high, at increasingly competitive examinations for professional careers in the field of Biotechnology.

The State Government has strategized by formation of a couple of Capacity Building Cells in Biotechnology [BT-CBCs] at various academic organizations of the state we are one of the Capacity Building Cell.

**Glimpse**  
The Crash Workshops are an intensive period of training with some of the best available resource persons delivering more than 60 formal lecture sessions, with ample informal sessions, psychological orientation sessions, mock tests, etc. Aspirants should be ready for an intensive period of learning spanning more than 12 hours a day. There are NO FEES for the CRASH WORKSHOPS; however, to ensure that the enrolled aspirants maintain an attendance of over 90%, a refundable deposit from each aspirant has been decided.

**Who can participate**  
Students in the penultimate and final year of graduation of any of the Biotech or allied subjects (like Microbiology, Biochemistry, Genetics, Bioinformatics, Environmental Sciences/technology, Molecular Biology, Human Genetics, etc.) apply for training at the CRASH WORKSHOP. A limited number of outstanding cases of non-freshers may also be entertained by each cell. Each cell is expected to train a prescribed number of candidates, with a good representation from ALL of the other colleges in the nearby area.

**Objectives**  
The main objective of BT-CBC Crash Workshop is to motivate and prepare the undergraduate student to crack various national level competitive examination for admission at post graduate such as JNU combined entrance examination for M.Sc. Biotechnology, IIT-JAM, TIFR, GATE etc.

**Principal**  
Dr. Ajay Gor  
PSSHDA  
**Co-ordinator**  
Dr. K. R. Shah  
Department of Biotechnology  
Mob- 7016922628  
**Deputy-Co-ordinator**  
Dr. R. S. Suthar  
Department of Biotechnology

**GSBTM**  
NETWORK OF BIOTECH CAPACITY BUILDING CELLS

Sarva Vidyalaya Campus, Opp. Railway Station, Kadi  
Dist: Mehsana (North Gujarat) 382715 Phone / Fax No.: (02764) 262634  
www.psshda.ac.in

Pramukh Swami Science & H.D. Patel Arts College, Kadi				
Biotechnology Department				
Sr. No.	Year	Name of Programme	No. of Students	Name of Agency
1	2014-15	6th Crash workshop (Two workshop SY and TY)	44	Gujarat State Biotechnology Mission, Gandhinagar, Govt. Of Gujarat Contact no. 07923252197 Dr. Kamlesh Shah. 9428063230
2	2015-16	7th Crash workshop (Two workshop SY and TY)	66	Gujarat State Biotechnology Mission, Gandhinagar, Govt. Of Gujarat Contact no. 07923252197 Dr. Kamlesh Shah. 9428063230
3	2016-17	8th Crash workshop (Two workshop SY and TY)	126	Gujarat State Biotechnology Mission, Gandhinagar, Govt. Of Gujarat Contact no. 07923252197 Dr. Kamlesh Shah. 9428063230
4	2017-18	9 & 10th Crash workshop (Four workshop SY and TY)	282	Gujarat State Biotechnology Mission, Gandhinagar, Govt. Of Gujarat Contact no. 07923252197 Dr. Kamlesh Shah. 9428063230

  
Principal

P. S. Science & H. D. Patel  
Art's College KADI (N.G.)



Co-Ordinator  
BT-CBC

Department of Biotechnology  
P.S.Science & H. D.Patel Arts Collge  
S.V. Campus, Kadi

# Language Laboratory

Sarva Vidyalaya Kelavani Mandal, Kadi managed  
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 AAA Rank-1 by Govt. of Gujarat

**Department of English  
 Language Laboratory**

**Be proficient by learning**

- Listening Skill
- Speaking skill
- Reading skill
- Writing skill

**Future panorama:**

- Speak Right!
- Phonemic Awareness
- To Be confident
- Creative thinking
- Improving understanding
- Increase efficiency
- Fluency

**Coordinator**  
 Dr. Alpa Jani  
 Assistant Professor

The infographic features several icons: a speaker for speaking skills, a book for writing skills, a person reading for reading skills, a person writing for writing skills, a person with a lightbulb for reading skills, an ear for stimulating senses, and a person with a lightbulb for inspiring creativity.

# Soft Skill development program.

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**Department of English**  
 SCOPE (Society for Creation of Opportunity through Proficiency in English)  
**SCOPE established in 2009**

**ENGLISH**

Listening, Speaking, Reading, Writing

**BULATS (Business Language Testing Service) – Advanced Level**

**CPT (Cambridge Placement Test) – Basic Level examination**  
 modules refer it for assessment

**Levels of Certification**

- Basic: A1-A2
- Advanced: B1-B2
- Proficient: C1-C2

**English**

**GROW LEARN EXPLORE**

The infographic includes images of a hand pointing to a staircase labeled 'ENGLISH', a hand holding a globe with 'learn english' text, and a hand holding up the word 'English' in large, colorful letters.



# workshop on Instrumental Training on Molecular Biology



# workshop on Entrepreneurship Awareness



# workshop for Hands-on Training of Sophisticated Industrial Equipments



# Participation in Science and Technology Exhibition



# Publication of Research papers

ISSN : 2349 - 3372

Newest International Multidisciplinary Referred Journal

30

## Newest International Multidisciplinary Journal

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### Abstract

Production of green energy from waste material has played an important role in recent years due to the depletion of non renewable energy sources. Conventional crops such as corn and sugarcane are unable to meet the global demand of bioethanol production due to their primary value of food and feed. Therefore, lignocelluloses substances such as agricultural wastes are attractive feedstock for bioethanol production. Agricultural wastes are cost effective, renewable and abundant. It could be a promising technology. Plant biomass can be used as raw material to produce bioethanol. In this study, fermentation of plant waste was conducted using *Saccharomyces sp.* under anaerobic condition. Production of bioethanol was determined and the effects of various operating conditions which included different temperatures, shaking period, rotten and fresh plant and fruit waste and saccharification. Bioethanol would be conventionally used as biofuel by using indigenous yeast. It is first pretreated by acid hydrolysis and successively fermented. This finding proved that bioethanol [biofuel] can be made by using plant waste.

## Bio-Ethanol Production From Plant Waste

Kamlesh shah<sup>1</sup> Sutaria Devanshi\* and Parmar Payal\*

<sup>1</sup> Head, Department of biotechnology,  
Pramukh Swami Science and H.D Patel arts  
college, Kadi, 382715

### Keywords:-

bioethanol, plant waste, yeast-  
*Saccharomyces sp.*, renewable energy.

### 1. Introduction

Bioethanol is being widely investigated as a renewable fuel source because in many respects it is superior to gasoline fuel.[1] The expansion of human population and increase of industrial prosperity, global energy consumption also has increased gradually. Many countries around the world are shifting their focus toward renewable sources for power production because of depleting crude oil reserves. The trend is extending to transport fuel as well. Approximately 80% of world supply of alcohol is produced by fermentation of sugar and starch containing crops or byproducts from industries based on such crops. Among the widely used substrates for bioethanol production are the molasses of sugarcane and sugar beet. Several studies have shown that sugarcane-based ethanol reduces greenhouse gases by 86 to 90% [2,3]. Sugar-based bioethanol production- such as sugarcane and sugar beet- is a simple process and requires one step less than starch-bioethanol, this is because they are ready for conversion with

# Industry Institute Linkage

