

Capacity Building Program- BTCBC Crash Workshop

Title of Practice:

Capacity Building Program- BTCBC (Biotechnology Capacity Building) Crash Workshop

The context that required the initiation of the practice:

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 is taking some small but discrete steps towards development of an Institutional Network for Capacity Building Cells [N-BT-CBCs] 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.

Department of Biotechnology, Pramukh Swami Science and H.D.Patel Arts College has been selected by State Government as Regional Centre for Biotechnology Capacity Building Cell (under N-BT-CBC) in November 2009. With the financial support from GSBTM, Capacity Building programs are organized including structured Crash Workshops. The Crash Workshops are organized for preparing students to crack various state and National Competitive Examinations for Admission to Post-Graduate Courses of learning. The workshop is envisaged to be a residential training enabling ample time for the trainers with the students.

Objectives of the practice:

- To prepare students to crack various state and National level Post Graduate entrance examination
- Development of Competency of the students as required of Bachelor's level thinking and analysis

The practice:

Awareness among the colleges of the Cluster (North Gujarat Region) : Orientation programs are organized to make students aware regarding the capacity Building program.

Selection of Students: The selection procedure include invitation of applications from students studying currently in the final year of graduation of various colleges falling in North Gujarat Area (N-BT-CBC Kadi Cluster) The selection of students is carried out through screening test. From 2009 to 2015, the crash workshop was organized for only Final year students pursuing their study with Biotechnology, Microbiology or Biochemistry as specialization. Since 2015, two separate training programs are conducted for the students of second year and third year separately.

Crash Workshops Organization:

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. Total 12 days training (11 hours / day) is provided to selected students in an academic

year. The workshop organized is residential as it included 11 hours intensive period of learning each day. Since 2009, the college has organized 12 such crash-workshops to train students for Post Graduate Entrance Examination. The details of various capacity Building Crash Workshops organized by college since 2009 are as follows:

Academic Year	Date and Duration of Capacity Building Program	Students from No. of Colleges Participated	No. of Student Participated	No. of Resource Persons invited	Outcome of the program. (Students Cracked Post Graduate Entrance Examination of Various National and State Universities)
2009-10	3-8, May 2010	7	T.Y 70	21	Nirma University -4 Sardar Patel University - 3. Changa University – 6.
2010-11	25-27, February 2010	7	T.Y 46	30	Nirma University -5 Sardar Patel University - 3. Changa University – 3.
	April 30- May 3, 2010	5	T.Y 41	35	
2011-12	14-19 November 2011	7	T.Y 37	27	Gujarat University – 2 S.P. University. – 2 Nirma University – 5 KSV University. – 15
	10-12 May 2012	3	T.Y 19	20	
2013-14	5-10 May 2014	7	T.Y 44	44	Gujarat University – 3 S.P. University. – 4 Nirma University – 4 KSV University. – 12 Ganpat University. -10 Changa University. – 4
2014-15	7-12 May 2015	7	S.Y-32 T.Y.-34	44	4 Students has cracked JNU- CBEE examination with following Rank: <ul style="list-style-type: none"> • Nancy N Bagariya (JNU AIR 432) • Makwana Mittal Suresh (JNU AIR 494) • Patel Krunal R (JNU AIR 1180) • Zalak Ashokbhai Patel (JNU AIR 1237) Gujarat University 8 S.P. University 5 Nirma University– 7

					KSV University – 18 Ganpat University -19 Changa University – 7
2015-16	5-10 May 2016	8	S.Y.-38 T.Y.-88	46	4 Students has cracked JNU- CBEE examination with following Rank: <ul style="list-style-type: none"> • Shah Maulik Mahendrabhai (JNU AIR 58) • Chaudhari Minalben Bhagirathbhai (JNU AIR 286) • Chaudhary Paru Hirabhai (JNU AIR 309) Gujarat University 9 S.P. University – 5 Nirma University. – 6 KSV University – 25 Ganpat University -22 Changa University – 8
2016-17	4-9 May 2017	8	S.Y.-38 T.Y.-68	45	4 Students has cracked JNU- CBEE examination with following Rank: Nisha Chandak IIT Jam AIR 180 JNU AIR 279 Gujarat University. –8 S.P. University 8 Nirma University – 9 KSV University – 30 Ganpat University -26 Changa University – 9
2017-18	2-9 December 2017	8	S.Y.-78 T.Y.-98	46	Gujarat University -8 S.P.U University. – 8 Nirma University – 9 KSV University - 30 Ganpat University 26 Changa University - 9
2018-19	15-22 December 2018	8	S.Y.-120 T.Y.-120	46	Gujarat University - 8 S.P. University - 10 Nirma University – 8 KSV University – 35 Ganpat University -23 Changa University – 8
2019-20	04-16 February 2020	7	S.Y.- 91 T.Y.- 80	66	IIAR– 2 Shoolini University -1 Gujarat University. -2 S.P. University. – 12 Nirma University - 4 KSV University - 36 Ganpat University - 2 Changa University -2

Obstacles faced if any and strategies adopted to overcome

Obstacles	Strategy adopted to overcome
Organization of Residential Workshop as it includes 11 hours / day academic training	Organization of event after college exam so we can accommodate students in hostel.
Having Consent of resource persons from various state and national level universities and organizations as more than 40 resource persons are needed to provide intensive training to students.	Institute maintains liaison with resource persons and with their advance consent , the sessions are organized. However, if any expert deny to come at last time, sessions are managed by experience faculties of the institute.

Impact of practice

- After attending Capacity Building program, students are found to be conceptually very clear as they have learning exposure from eminent academic experts of various universities and institutes from state and nation.
- The student's competency is enhanced to appear and crack various entrance examination.
- Students who get PG admission through JNU CEEB, they get Rs. 80000/- per year stipend during their post graduate Studies.
- Institute have opportunities to collaborate with various renowned experts for research, training and capacity building events.

Resources required

- Manpower
- Accommodation facilities
- Resource Persons