

**Shree Manibhai Virani & Smt. Navalben Virani Science College (Autonomous),  
Rajkot**

**MINUTES of MEETING - BOARD OF STUDIES -CHEMISTRY**

**Date: 10.09.2016**

**Time: 11:00 noon**

**Venue: Staff Reading Room- Library**

**BoS Members:**

<b>S.No.</b>	<b>Name</b>	<b>Membership</b>	<b>Present/Absent</b>
1.	Dr. K. D. Ladva	Chairperson	
2.	Prof. A. K. Shah	VC Nominee	
3.	Dr. A. H. Bapodara	AC Nominee	
4.	Dr. Y. J. Fernandes	AC Nominee	
5.	Dr. A.C. Pandya	Member- Industry	
6.	Dr. Kalpesh Menpara	Member- Alumnus	
7.	Dr. D. M. Purohit	Member	
8.	Dr. A. V. Kalavadia	Member	
9.	Dr. M. S. Vadodariya	Member	
10.	Dr. B. M. Vadher	Member	
11.	Dr. N. P. Kapuriya	Member	
12.	Dr. M. A. Ambasana	Member	
13.	Dr. D. J. Kaneriya	Member	
14.	Dr. S. D. Tala	Member	
15.	Dr. P. A. Ambasana	Member	
16.	Dr. A. S. Patel	Member	
17.	Ms. A. Y. Cholera	Member	
18.	Mrs M. P. Chadarava	Member	

## **AGENDA:**

- 1. Syllabi for 3<sup>rd</sup> & 4<sup>th</sup> semester courses for UG programmes for student admitted from A.Y.2016-17 onwards**
  - 1.1 B.Sc. - Chemistry
  - 1.2 Integrated B.Sc.-M.Sc. Chemistry
  - 1.3 B.Voc -Chemical Technology
  - 1.4 B.Voc - Pharma. Analysis & QA
- 2. Syllabi for 3<sup>rd</sup> & 4<sup>th</sup> semester courses for PG programmes for student admitted from A.Y.2016-17 onwards**
  - 2.1 M.Sc. Pharma. Organic Chemistry
  - 2.2 M.Sc. Chemistry (specializations in Organic /Analytical Chemistry)
- 3. Syllabi for Generic Elective courses (Part-II) for UG and PG programmes for student admitted from A.Y.2016-17 onwards**
  - 3.1 GE-I: Chemistry in Everyday life (for B.Sc. & Integrated B.Sc.-M.Sc. Chemistry)
  - 3.2 GE-II: Chemical Hazards & Safety (for B.Sc. & Integrated B.Sc.-M.Sc. Chemistry)
  - 3.3 GE-I: Green Chemistry for Sustainable Developments (for Int. M.Sc. Chemistry)
- 4. Syllabi for Part-III courses for student admitted from A.Y.2016-17 onwards**

**SEC-III – Value-added course**

  - 4.1 VAC-1: Surface Coating Techniques
  - 4.2 VAC-2: Formulation of Detergents & Toiletries
  - 4.3 VAC-3: Soil & Water Analysis
- 5. Syllabi for DSE Allied Course (being offered to Biochemistry Department in SEM-III) from A.Y.2016-17 onwards**
  - Chemistry for Biologist
- 6. Introduction of M.Phil. program in Chemistry (proposing it for 2017-2018)**
- 7. Eligibility norms & criteria for recruitment of faculty**
- 8. Any other matter**

## MINUTES OF THE BoS MEETING:

The meeting commenced with the Chairman welcoming the members and briefing them on the agenda for this meeting and requested their co-operation, sharing their expertise and the members took up the agenda one by one.

### 1. The syllabi of courses of 3<sup>rd</sup> & 4<sup>th</sup> semesters for following UG programmes for student admitted from A.Y.2016-17 onwards.

The members **framed** the above for the following program after discussion.

- 1.1 B.Sc. Chemistry (Enclosure-I-1.1)
- 1.2 Integrated B.Sc.-M.Sc. Chemistry (Enclosure-I-1.2)
- 1.3 B.Voc. Chemical Technology (Enclosure-I-1.3)
- 1.4 B.Voc. Pharma. Analysis & QA (Enclosure-I-1.4)

### 2. The syllabi of courses of 3<sup>rd</sup> & 4<sup>th</sup> semesters for following PG programmes for student admitted from A.Y.2016-17 onwards.

The members **framed** the above for the following program after discussion.

- 2.1 M.Sc. Pharma. Organic Chemistry (Enclosure-II-2.1)
- 2.2 M.Sc. Chemistry (specializations in Organic /Analytical Chemistry) (Enclosure-II-2.2)

### 3. Syllabi for Generic Elective Courses (Part-II) for UG and PG programmes for student admitted from A.Y.2016-17 onwards

The Chairman explained the requirement of GE courses as per UGC CBCS guidelines. The syllabi of Generic Elective Courses (Part-II) for following UG and PG programmes for student admitted from A.Y.2016-17 onwards **were framed**.

S.N	Offered for	Semester	Course Code	Course	Enclosure
1	Other B.Sc. Programs & Other Integrated B.Sc.-M.Sc. Programs	V	16UCHGE01	Chemical Hazards & Safety	Enclosure-III-3.1
		VI	16UCHGE02	Chemistry in everyday life	Enclosure-III-3.2
2	Other Integrated B.Sc.-M.Sc. Programs	VIII	16PCHGE01	Green Chemistry for Sustainable Development	Enclosure-III-3.3

#### 4. Syllabi for Part-III Courses for student admitted from A.Y.2016-17 onwards

The chairman explained the requirement of Value Added Courses as per UGC's CBCS guidelines.

The syllabi of Part-III SEC-III – Value-Added Courses as mentioned below were framed.

Course Code	Course	Enclosure
16UCHVA01	Surface Coating Techniques	Enclosure-IV-4.1
16UCHVA02	Formulations of Detergent and Toiletries	Enclosure-IV-4.2
16UCHVA03	Soil & Water analysis	Enclosure-IV-4.3

**The above be effective for the students of all other UG programs.**

Prof. Anamik Shah appreciated & suggested to introduce a Value Added Course pertaining to Polymer Science and Technology, in future.

#### 5. Syllabi for DSE Allied Course (being offered to Biochemistry department in SEM-III) from A.Y.2016-17 onwards

The members framed the above for the following course

- Chemistry for Biologist Enclosure- V

#### 6. Introduction of M.Phil. Program in Chemistry (proposing for 2017-2018)

V.C. Nominee – Prof. Anamik Shah supported the agenda of introducing M.Phil. Program in Chemistry to cater the increasing demand of qualified Chemistry teachers.

Member from Industry – Dr. A. C. Pandya also agreed on the same suggesting initial intake of 5 to 10 students.

The board members unanimously authorized the Chairperson to convey the proposal with detailed report comprising of Need, Physical & HR-resources available & required and Placement opportunities related to M.Phil. Program.

## 7. Eligibility norms & criteria for recruitment of faculty

Eligibility norms & criteria for recruitment of faculty were discussed and proposed based on the following.

Name of Program	Nature & No. of Papers	Workload (hrs/Week)
M.Sc. Pharma. Organic Program	Engineering = 2 Pharmacy = 2	16
M.Sc. Chemistry	Engineering = 1 Pharmacy = 1	8
B.Voc Chemical Technology	Engineering = 2 Pharmacy = 2	16
B.Voc PAQA	Engineering = 2 Pharmacy = 5	28
<b>Total</b>		<b>68</b>
<b>Hence total post required = 68/2 = 32 = 2 post for each specialization</b>		

In response to agenda raised by Chairperson – Dr. K. D. Ladva about additional eligibility norms & criteria for recruitment of faculties in Innovative, Vocational and Special programmes with multidisciplinary subjects; AC Nominated member – Dr. A. H. Bapodara suggested to appoint candidates with degree in specialized fields like Chemical Engineering and Pharmacy.

### **Resolutions:**

In addition to the minimum eligibility criteria for appointment of teachers of UGC / Saurashtra University & Govt. of Gujarat; the followings can be included as per the demands and the nature of the courses/program.

- UG Qualifications as B.E/B.Tech. - Chemical/Chemical Technology &  
PG Qualifications as M.E / M.Tech. - Chemical/Chemical Technology
- UG Qualifications as B. Pharm. &  
PG Qualifications as M. Pharm. in Pharma. Chemistry / Pharmaceutics / QA & RA

**The members have suggested one post each with Engineering & Pharmacy specializations of the total sanctioned posts.**

The meeting ended with proposing vote of thanks by the Chairperson.