

MINUTES OF THE SECOND MEETING OF ACADEMIC
COUNCIL HELD ON 29th NOVEMBER, 2016

The second meeting of members of Academic Council was held on **29th November, 2016 (Tuesday)** in the Board room. With the blessings of H.D.H. Param Pujya Hariprasad Swamiji all the members of Academic Council, except the following, attended the meeting:

Sr. No.	Name of member	Designation	Affiliation	Reason of absence
1.	Dr. (Mrs.) D.P. Chauhan	Professor	VC Nominee	Leave of absence
2.	Dr. S. P. Singh	Professor	VC Nominee	Leave of absence
3.	Shri Vineshbhai Patel	Industry	GB Nominee	Leave of absence
4.	Mr. Dhansukhbhai Vora	Commerce	GB Nominee	Leave of absence
5.	Shri Paresh Maru	Law	GB Nominee	Leave of absence
6.	Dr. Atul Pandya	Medicine	GB Nominee	Leave of absence
7.	Dr. M. S. Vadodaria	Chemistry	Member	Leave of absence

1. Welcome and Opening Remarks

Dr. K. D. Ladva, Chairman of Academic Council, welcomed the august body.

On the behalf of members, Dr. Ladva expressed gratitude to **Dr. A.U. Patel, Chairman of First Council** (who has resigned due to his superannuation) and **Dr. Vishal P. Narodiya**, Head of Industrial Chemistry Department and Chairman of BoS in Industrial Chemistry, for rendering their services as member of Academic Council from **May 2016 to July 2016**.

Dr. K. D. Ladva also introduced the following members inducted into the Academic Council.

- a. **Dr. Naval P. Kapuriya**, Asst. Prof., Department of Chemistry
- b. **Er. Ravi S. Tank**, Asst. Prof., Department of Industrial Chemistry
- c. **Dr. M. S. Vadodariya**, Asso. Prof., Department of Chemistry
- d. **Mr. B. G. Panelia**, Asst. Prof., Department of Physics



Dr. Ladva placed on record his gratitude to **P.P. Hariprasad Swami** and the management in reposing confidence in him as the Chairperson of Academic Council. He assured the members that with the support of all of them and the faculty and students, the college would be able to exercise academic autonomy in its true sense catering to the lofty vision of Pujya Swamiji.

Thereafter the following agenda were put forth for discussion

AGENDA

- 2. Confirmation of Minutes of First Meeting of Academic Council held on 20/05/2016.**
- 3. Conceptual Framework of 5 years Integrated B.Sc.- M.Sc. programmes under CBCS.**
 - 3.1 Duration of the Programme
 - 3.2 Options of exit and entry
 - 3.3 Structure of the Programme
 - 3.4 Components of CBCS Framework
 - 3.5 Evaluation
 - 3.6 Credit distribution for different Programmes
- 4. Regulations, Schemes of Instruction & Examinations and Syllabi framed / passed by various BoS (including ID BoS).**
 - 4.1 Resolutions of BoS in Chemistry**
 - 4.1.1 Resolutions of BoS in Chemistry for 5 years Integrated B.Sc.- M.Sc. Chemistry and M.Sc. Chemistry (with specialization in Organic or Analytical Chemistry)
 - 4.1.2 Resolutions of BoS in Chemistry for UG, B.Voc., PG and Integrated Programmes
 - 4.2 Resolutions of BoS in Computer Science & Information Technology**
 - 4.3 Resolutions of BoS in Microbiology**
 - 4.3.1 Resolutions of BoS in Microbiology for 5 years Integrated B.Sc.- M.Sc. Microbiology
 - 4.3.2 Resolutions of BoS in Microbiology for UG, B.Voc., PG and Integrated Programmes



- 4.4 Resolutions of BoS in Biotechnology**
- 4.5 Resolutions of BoS in Industrial Chemistry**
- 4.6 Resolutions of BoS in Mathematics**
- 4.6.1 Resolutions of BoS in Mathematics 5 years B.Sc.- M.Sc. Mathematics programme
- 4.6.2 Resolutions of BoS in Mathematics for UG, PG and 5 years Integrated B.Sc.- M.Sc. Mathematics Programmes
- 4.7 Resolutions of BoS in Biochemistry**
- 4.8 Resolutions of BoS in Physics**
- 4.9 Resolutions of BoS in Biology**
- 4.10 Resolutions of BoS in English**
- 4.11 Resolutions of Inter-disciplinary BoS**
- 5. General Guidelines & Evaluation norms for courses or components of UG, B.Voc., 5 years Integrated B.Sc.- M.Sc. and PG Programmes.**
- 5.1 Guidelines & Evaluation norms for Skill Enhancement Course (SEE-III)
- 5.2 Guidelines & evaluation norms for specific courses/ components of UG & PG
- 5.3 Guidelines & evaluation norms for specific courses/ components for 5 years Integrated B.Sc.- M.Sc. Programmes
- 5.4 Guidelines & evaluation norms for Generic Elective courses
- 5.5 Guidelines & evaluation norms for UG & PG research / dissertation projects
- 5.6 Guidelines & evaluation norms for Self Study Courses – UG Programmes
- 5.7 The above be effective for students admitted from 2016-2017 & onwards.
- 6. Proposal for introduction of new programmes**
- 6.1 PG Diploma
- 6.2 PG Programmes
- 6.3 M.Phil. Programmes



7. **Special eligibility norms for recruitment of faculty in certain departments.**
8. **Option to earn extra credits and from SWAYAM platform of Government of India
Extra Credits**
9. **Equivalence of B.Voc. Degrees**
10. **Syllabi of certain Value Added courses under Part-III-SEC-III for UG Programmes**
11. **Syllabi & evaluation norms of certain co-curricular courses under Part-III-SEC-II for UG Programmes.**

Table Agenda

12.0 Introduction of additional new Programmes

12.1 UG Programme

12.1.1 : B.Sc. Electronics

12.1.2 : B.Sc. Visual Communication

12.1.3 : B.Sc. Design

12.2 B.Voc. Programme

12.2.1 B.Voc. Food Processing & Preservation Technology (approval from UGC to be sought before commencement)

The Chairperson, **Dr. K.D. Ladva** then took up the agenda point by point

Agenda 2. Conformation Minutes of First Meeting of Academic Council held on 20/05/2016

The Chairperson, Dr. Ladva highlighted about the Integrated Programmes. The members discussed about the introduction of only 3 Integrated programmes from the 5 listed, introduced from the Academic Year 2016-2017 and onwards.

Dr. Sheela Ramchandran suggested that the nomenclature of the programme be changed from **Integrated B.Sc.-M.Sc. Programme** to **Five Years Integrated B.Sc.-M.Sc. Programme** for more clarity on the duration of the programme. The following were the programme:

1. 5 years Integrated **B.Sc.- M.Sc.** Chemistry
2. 5 years Integrated **B.Sc.- M.Sc.** Microbiology
3. 5 years Integrated **B.Sc.- M.Sc.** Mathematics



This was also **approved** by the GB at its meeting held on **11/07/2016** (minutes dated 12/07/2016).

The above was **approved** by members and seconded by **Dr. Sonal Shah**.

For all other aspects of the Minutes of 1st AC, no comments were received, hence taken as **confirmed**.

Agenda 3.0 Conceptual Framework of 5 years Integrated B.Sc.- M.Sc Programmes under CBCS

The Chairperson of Academic Council, **Dr. K. D. Ladva**, moved the resolutions passed in the meeting of BoS of Chemistry, Mathematics & Microbiology held on **13.06.2016**, regarding conceptual framework of 5 year Integrated B.Sc.- M.Sc. Programmes under CBCS.

All the resolution from 3.1 to 3.6, except, 3.2.3 **were approved**.

Dr. Sheela Ramchandran proposed that Agenda 3.2.3 above be deferred for now. The college authorities may determine the eligibility norms for appearing for competitive examination and study the practice and method of issuance of 5 year Integrated Programme degree elsewhere. It is to ensure that students do not become ineligible for competitive examinations, if continuing to pursue the 5 years Programme. The matter may be brought up in the next Academic Council meeting after thorough discussion at the lower non-statutory & statutory committees.

Agenda 4.0 Regulations, Scheme of Instruction and Examinations and Syllabi framed by various BoS

Dr. Ladva requested the Chairpersons of each BoS to present their resolution for approval/ratification.

4.1 Resolutions of BoS in Chemistry

4.1.1 Resolutions of BoS in Chemistry for 5 years Integrated B.Sc.- M.Sc. Chemistry and M.Sc. Chemistry (with specialization in Organic or Analytical Chemistry)

Dr. K. D. Ladva, Chairman BoS in Chemistry, moved the resolution **4.1.1.1 to 4.1.1.5**, as indicated in the notes.

Dr. Ladva requested that the following resolution be also included, which can be ratified in the ensuing meeting of BoS in Physics.



4.1.1.3.1.1 To adopt equivalent course and syllabus of DSE-Allied-Physics I & II (Theory and Practical) as that for B.Sc. Chemistry Programme.

Sr. No.	Equivalent Course Code in B.Sc. Chemistry	Course Code in 5 yrs Integrated B.Sc.-M.Sc. Chemistry	Title of Course	Semester
1.	16UCHDA01	16ICHDA01	Physics - I	1
2.	16UCHDA02	16ICHDA02	Physics-I Practical	1
3.	16UCHDA03	16ICHDA03	Physics - II	2
4.	16UCHDA04	16ICHDA04	Physics - II Practical	2

The above were **approved** and seconded by **Dr. Shivani Patel**.

4.1.2 Resolutions of BoS in Chemistry for UG, B.Voc., PG and Integrated Programmes

Dr. K. D. Ladva, Chairman BoS in Chemistry moved the resolution **4.1.2.1 to 4.1.2.5** as indicated in notes.

The above were **approved** and seconded by **Dr. Praveena Bhandari**.

4.2 Resolutions of BoS in Computer Science & Information Technology:

Dr. Stavan Patel, Chairman BoS Computer Science & Information Technology moved the resolution **4.2.1 to 4.2.6** as indicated in notes.

The above were **approved** and seconded by **Mr. Hitendra Donga**.

4.3 Resolutions of BoS in Microbiology

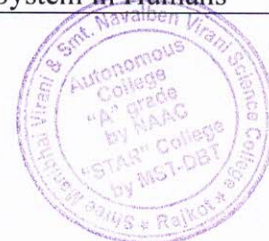
4.3.1 Dr. Neepta Pandhi, Chairman BoS in Microbiology moved the resolution **4.3.1.1 to 4.3.1.5** as indicated in notes.

Typographical error in multilevel numbering in the notes was indicated and **4.3.1 to 4.3.5** was replaced with **4.3.1.1 to 4.3.1.5**

Dr. Pandhi requested that the following resolution be also included, which can be ratified in the ensuing meeting of BoS in Biology.

4.3.1.3.1 To adopt equivalent course and syllabus of DSE Allied I & II (Theory and Practical) as that for B.Sc. Microbiology Programme, as follows:

Sr. No.	Equivalent Course Code in B.Sc. Microbiology	Course Code in 5 yrs Integrated B.Sc.-M.Sc. Microbiology	Title of Course	Semester
1.	16UMBDA01	16IMBDA01	Basics of Zoology & Life Sustainable System in Humans	1



2.	16UMBDA02	16IMBDA02	Basics of Zoology & Life Sustainable System in Humans - Practical	1
3.	16UMBDA03	16IMBDA03	Medicinal Botany	2
4.	16UMBDA04	16IMBDA04	Medicinal Botany - Practical	2

The above were **approved** and seconded by **Dr. N.P. Kapuria**.

4.3.2 **Dr. Neepa Pandhi, Chairman BoS in Microbiology** moved the resolution **4.3.2.1 to 4.3.2.7** as indicated in notes.

The above were **approved** and seconded by **Dr. N.P. Kapuria**.

4.4 Resolutions of BoS in Biotechnology

Dr. Shivani Patel, Chairman BoS in Biotechnology, moved the resolution **4.4.1 to 4.4.5** as indicated in notes.

Dr. Shivani Patel requested for a replacement in the notes of clauses 4.4.3.1 and 4.4.3.2 as indicated below, which was due to typographical error.

4.4.3.1 Career Competency skill Development - II (100% CIE)

4.4.3.2 Educational Tour

The above were **approved** and seconded by **Dr. Preetam Joshi**.

4.5 Resolutions of BoS in Industrial Chemistry

Er. Ravi Tank, moved the resolution **4.5.1 to 4.5.4** as indicated in notes.

The above was **approved** and seconded by **Mr. Jignashu Chauhan**.

4.6 Resolutions of BoS in Mathematics

4.6.1 Resolutions of BoS in Mathematics 5 years B.Sc.- M.Sc. Mathematics programme

Mr. Jignashu Chauhan, Chairman BoS in Mathematics moved the resolution **4.6.1.1 to 4.6.1.5** as indicated in notes.

Mr. Chauhan requested that the following resolution be also included, which can be ratified in the ensuing meeting of BoS in Physics.



4.6.1.3.1 To adopt equivalent course and syllabus of DSE-Allied-Physics I & II (Theory and Practical) as that for B.Sc. Mathematics Programme as follows:

Sr. No.	Equivalent Course Code in B.Sc. Chemistry	Course Code in 5 yrs Integrated B.Sc.- M.Sc. Chemistry	Title of Course	Semester
1.	16UMTDA01	16IMTDA01	Physics - I	1
2.	16UMTDA02	16IMTDA02	Physics Practical - I	1
3.	16UMTDA03	16IMTDA03	Physics - II	2
4.	16UMTDA04	16IMTDA04	Physics - II Practical	2

The above were **approved** and seconded by **Dr. Shivani Patel**.

4.6.2 Resolutions of BoS in Mathematics for UG, PG and 5 years Integrated B.Sc.- M.Sc. Mathematics Programmes

Mr. Jignashu Chauhan, Chairman BoS in Mathematics moved the resolution **4.6.2.1 to 4.6.2.5** as indicated in notes.

The above were **approved** and seconded by **Mr. B. G. Paneliya**.

4.7 Resolutions of BoS in Biochemistry

Dr. Sonal Shah, Chairman BoS in Biochemistry moved the resolutions **4.7.1 to 4.7.3** as indicated in notes.

The above was **approved** and seconded by **Dr. Stavan Patel**.

4.8 Resolutions of BoS in Physics

Mr. B.G. Paneliya, moved the resolution **4.8.1 to 4.8.2** as indicated in notes.

The above were **approved** and seconded by **Dr. Neepa Pandhi**.

4.9 Resolutions of BoS in Biology

Dr. Rahul Gohel, Chairman BoS in Biology, moved the resolution **4.9.1 to 4.9.2** as indicated in notes.

Dr. Gohel requested the inclusion of the practical course in the following table of the notes:

<i>Course Code</i>	<i>Course</i>	<i>Offered to</i>	<i>Semester</i>
16UBTDA05	DSE-Allied 3 : Plant Science	B.Sc. Biotechnology	3
16UBTDA07	DSE-Allied 4 : Animal Science	B.Sc. Biotechnology	4



Accordingly above replaced with

Course Code	Course	Offered to	Semester
16UBTDA05	DSE-Allied 3 : Plant Science	B.Sc. Biotechnology	3
16UBTDA06	DSE-Allied 3 : Plant Science Practicals	B.Sc. Biotechnology	3
16UBTDA07	DSE-Allied 4 : Animal Science	B.Sc. Biotechnology	4
16UBTDA08	DSE-Allied 4 : Animal Science Practicals	B.Sc. Biotechnology	4

The above were **approved** and seconded by **Mr. Ravi Ranjan**.

4.10 Resolutions of BoS in English

Mr. H. L. Pandya, moved the resolution **4.10.1 to 4.10.3** as indicated in notes.

Mr. Pandya requested correction of typographical error of following

4.13.3.1 be corrected as 4.10.2.1

4.13.3.2 be corrected as 4.10.2.2

Mr. Pandya requested the modification of clauses **4.10.2.1** and **4.10.2.2** as follows:

4.10.2.1 Course code 17ULCEN01 Functional English-I be effective for students admitted from AY 2017-2018 and onward for all UG and 5 yrs Integrated B.Sc.- M.Sc. Programmes.

4.10.2.2 Course Code 16ULCEN02 Functional English-II replace the syllabus of Functional English-II approved in 1st Academic Council meeting held on 20th May, 2016

The above were **approved** and seconded by **Dr. Neepa Pandhi**.

4.11 Resolutions of Inter-disciplinary BoS

Dr. K. D. Ladva, Chairman Inter-disciplinary BoS moved the resolution **4.11.1 to 4.11.2** as indicated in notes.

Typographical error in 4.11.1 heading was indicated and the following **SEC-III** was replaced with **SEC -II** in the title.

The above were **approved** and seconded by **Dr. Sonal Shah**.



Agenda 5.0 General guidelines & Evaluation norms for courses or components of UG, B.Voc., 5 years Integrated B.Sc.- M.Sc. and PG Programmes.

Dr. K. D. Ladva, the Chairperson of Academic Council notified the august body that the BoS in all subjects met collectively on **10.09.2016** and framed the following resolutions. Dr. Ladva moved the resolution **5.1 to 5.7** as indicated in the notes.

The above were **approved** and seconded by **Dr. Shivani Patel**.

Agenda 6.0 Proposal for introduction of new Programmes

The BoS of **various subjects** met on **10.09.2016** and discussed on the need for introduction of new PG and research Programmes to be M.Phil.

As per UGC's Guidelines for Autonomous Colleges during the XII Plan Period (2012-2017), 2(c) Pg. 4, "Autonomous status covers Certificate Diploma, undergraduate, Postgraduate and M.Phil. programmes that are autonomous and those seeking autonomous status".

Based on the above, **Dr. K. D. Ladva**, moved that the introduction of the below programmes **be approved**.

6.1 PG Diploma

6.1.1 PG Diploma in Molecular Diagnosis

6.2 PG Programmes

6.2.1 M.Sc. Biochemistry

6.3 M.Phil. Programmes

6.3.1 M.Phil. in Chemistry

6.3.4 M.Phil. in Biotechnology

6.3.2 M.Phil. in Computer Science

6.3.5 M.Phil. in Industrial Chemistry

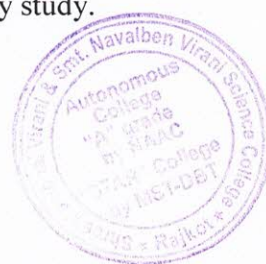
6.3.3 M.Phil. in Microbiology

6.3.6 M.Phil. in Mathematics

Dr. Sonal Shah requested correction of the typographical error in clause 6.1.1 in the notes as 6.2.1. Also for all the M.Phil. Programme **6.2.1 to 6.2.6** in the notes as **6.3.1 to 6.3.6**

The above be effective from the **AY 2017-2018 or thereafter**, as the case may be.

The members **approved** the above and **authorized the Chairman of Academic Council** to take further necessary action pertaining to duration and other regulations; curriculum, syllabi and evaluation norms; and uniqueness of the programmes, keeping the future interests of the students in mind. The Chairman was also authorized to decide on the commencement of the programme based on a feasibility study.



Agenda 7.0 Special eligibility norms for recruitment of faculty in certain departments

The Chairman notified that BoS of various subjects met on **10.09.2016** and discussed on the need for having special eligibility norms for recruitment of faculty, besides that stipulated by the parent University, State Government and the UGC. This is because under autonomy, certain special courses are introduced, which calls for teachers with certain specializations. The details were as given herewith.

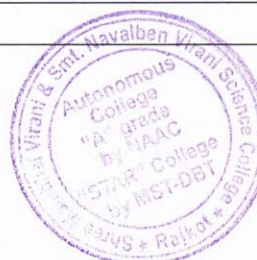
Dr. K. D. Ladva, moved the following norms and criteria for requirement in certain departments.

- 7.1 Department of Chemistry
- 7.2 Department of Biotechnology
- 7.3 Department of Industrial Chemistry
- 7.4 Department of Mathematics

He also requested that the PG qualification indicated in clause 7.1.1 of notes be corrected as indicated in following table.

Typographical error of clause 7.2.1 in the notes be corrected as 7.3.1 in the table below:

S.N.	Department	Qualification / Specialization	No. of Posts
3.1 7.1	Chemistry	7.1.1 B.E./ B.Tech. 3.1.1 Chemical Engineering/ Chemical Technology & M.E./ M.Tech. Chemical Engineering/ Chemical Technology	One
		7.1.2 B.Pharm. & M.Pharm. in 3.1.2 Pharma Chemistry/Pharmaceutics/QA&RA	One
3.2 7.2	Biotechnology	7.2.1 B.E. / B.Tech 3.2.1 Biotechnology & Chemical Technology M.E./M.Tech. Biotechnology	One
3.3 7.3	Industrial Chemistry	7.3.1 B.E./B.Tech. 3.3.1 Chemical Engineering/Chemical Technology & M.E./M.Tech. Chemical Engineering/ Chemical Technology/ Biotechnology OR	Two
		7.3.2 M.Sc. Environmental Science/ 3.3.2 Environmental/ Environmental Engineering/ or any other specialization	
3.4 7.4	Mathematics	7.4.1 M.Sc. Statistics 3.4.1	One



- 3.1.1 3.1.2 3.2.1 3.3.1
- 7.5 • For the above **7.1.1**, **7.1.2**, **7.2.1** and **7.3.1**, entry level would not require a pass in NET/SET/SLET or Ph.D. However, all other promotions thereafter, would be based on UGC's guidelines of Career Advancement or that of the State Government.

The candidates would be expected to complete Ph.D. after appointment.

- 3.3.2 3.4.1
- 7.6 • For the above **7.3.1** and **7.4.1**, entry level qualifications and eligibility would be **as stipulated** by UGC and/State Government in terms of NET/SET/SLET &/ Ph.D.

Dr. Sameer Vaidya enquired about the requirement of such changes in norms. **Dr. Ladva** explained that certain courses required specialized qualifications like Engineering/ Technology/ Statistics etc. **Dr. Sheela Ramchandran** indicated that the BoS had calculated the number of such courses and the workload and accordingly the number was also indicated.

The above was **approved** and seconded by **Dr. Shivani Patel**.

Agenda 8.0 *Option to earn extra credits and from SWAYAM platform of Government of India Extra Credits*

Dr. Ladva explained about the options for students to earn extra credits as indicated in the notes.

The above were **approved** and seconded by **Dr. Shivani Patel**.

Agenda 9.0 *Equivalence of B.Voc. Degrees*

Dr. Ladva explained about UGC's letter regarding equivalence of B.Voc degree as indicated in the notes.

The above was **approved** and seconded by **Dr. Sonal Shah**.



Agenda 10.0 Syllabi of certain Value Added courses under Part-III-SEC-III for UG Programmes

Dr. K. D. Ladva, Chairman Academic Council moved the resolutions **10.1 to 10.2** as indicated in notes, passed in various BoS which met on **10.09.2016 and 15.09.2016**.

Typographical error in multilevel numbering was indicated and the following **9.1 and 9.2** was replaced with **10.1 and 10.2** in the title.

The above was **approved** and seconded by **Dr. Sonal Shah**.

Agenda 11.0 Syllabi & evaluation norms of certain co-curricular courses under Part III-SEC-II for UG Programmes.

Dr. K. D. Ladva, Chairman Academic Council moved the resolution **11.1 to 11.2** as indicated in notes, passed in Inter-disciplinary BoS which met on **10.09.2016 and 15.09.2016**.

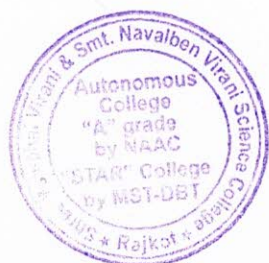
Typographical error in multilevel numbering was indicated and the following **10.1 and 10.2** was replaced with **11.1 and 11.2** in the title.


The above was **approved** and seconded by **Dr. Sonal Shah**.

Dr. K. D. Ladva happily shared that four faculty members and one student of the college had cleared the State Level Eligibility Test in various subjects. Also two faculty members had completed their Doctoral Degree recently.

Adjournment

Dr. K. D. Ladva adjourned the meeting after Dr. Shivani Patel proposed the Vote of Thanks.




I/C Principal
Shree Manibhai Virani and
Smt. Navalben Virani Science College
(Autonomous) Rajkot.