Shree Manibhai Virani & Smt Navalben Virani Science College, Rajkot
(Autonomous)
Affiliated to Saurashtra University, Rajkot

Minutes of the First Meeting of Academic Council

Called to Order

With the blessings of **H.D.H. Param Pujya Hariprasad Swamiji,** a meeting of members of Academic Council was held on **20th May, 2016** in the Board room.

Attendees

All the members of Academic Council, except the following, attended the meeting:

Sr. No.	Name of member	Designation	Affiliation	Reason of absence
1.	Mr. Paresh Maru	Advocate	Invited member	Leave of absence
2.	Dr. Atul Pandya	Doctor	Invited member	Leave of absence
3.	Mr. Ravi Ranjan	Assistant Professor	Member	Leave of absence

Welcome and Opening Remarks

Dr. A. U. Patel, Chairman of Academic Council, welcomed the august body and introduced the members with great pride. Thereafter, the Director of Atmiya Group of Institutions, **Dr. J. N. Shah**, highlighted on the overview and requirement of autonomy. He said that the University system was unable to ensure uniform quality and it is becoming increasingly difficult for a University to attend to the varied needs of individual colleges. He also mentioned the credentials of Shree M. & N. Virani Science College and exhorted that the implementation of autonomy will enhance quality in all dimensions of college.

He also stressed that education in this autonomous college would not only include academics, but, in keeping with the principles of the Management and **Secretary, P. P. Tyagvallabh Swami,** also inculcate Universal Human Values through compulsory courses in the curriculum(his presentation is attached).

Thereafter following agenda were put forward for discussion:

Agenda

1. Information on Autonomy of Shree M. & N. Virani Science College, Rajkot from A.Y. 2016-2017 & onwards by the Chairman of Academic Council

2. Composition of various Statutory and Non-statutory Committees under the autonomous college

3. Information regarding

    3.1   Existing programmes offered in the college which now come under the purview of autonomy
    3.2   Introduction of new programmes in the academic year 2016 – 2017 and onwards

4. General Regulations of the Autonomous College

    a.   Admission norms
    b.   Examination norms

5. Conceptual frameworks of various UG & PG Programmes under CBCS

    5.1   UG Programmes
    5.2   B. Voc. Programmes
    5.3   PG Programmes

6. Regulations, Schemes of Instruction & Examinations and Syllabi passed by various BoS

7. Guidelines and Evaluation norms for courses of 1st & 2nd semesters of UG, B. Voc. & PG Programmes

8. Question Paper Patterns for courses of UG, B. Voc. & PG Programmes

9. List of paper setters and examiners

10. Introduction of Integrated Programmes as new programmes

The Chairperson, **Dr. A.U. Patel**, then took up the agenda point by point

Agenda 1. Information on Autonomy of Shree M. & N. Virani Science College, Rajkot from A.Y. 2016-2017 and onwards by the Chairman of Academic Council

The Chairperson informed the members that the Shree M. & N. Virani Science College was established in the year 1968. The mission of Shree M. & N. Virani Science College is two fold: *"responsible"* and *"responsive."* The former involves the long view of the college's mission and

society's needs. The latter addresses the immediate strategies for meeting the short-long term academic and social requirements of the community.

He emphasized that

- UGC recognized the Institution as "College with Potential for Excellence" (CPE) in the year 2010-11. It was the first college under Saurashtra University and Saurashtra region of Gujarat State to this status of CPE by UGC
- Colleges with Potential for Excellence (CPE) need more autonomy and other academic credentials
- The college was accredited in NAAC Cycle-1 (2007) with 'A' Grade and re-accredited through NAAC Cycle-2 (2013) with 'A' grade with CGPA-3.28.
- Teachers need more academic freedom in teaching and evaluation.
- Stakeholders should be provided with more responsibility.
- Shree M. & N. Virani Science College was the first in the Saurashtra University and one among the first two in Gujarat State, to be conferred autonomous status

The UGC has granted Autonomous Status to the College with effect from 2012-2013 vide its letter No. F.22-1/2012AC, 16-01-2013. (Appendix I), which is being implemented from 2016-2017 and onwards.

The need, objectives and scope of functional autonomy were also highlighted as indicated in the Notes.

Dr. Sheela Ramchandran, explained about the history of autonomy in India from 1978 and with her long experience, commended that autonomy in its actual essence, is an instrument for promoting academic excellence for any college.

After further discussion the information of the above matter **was recorded**.

*Agenda 2. Composition of various Statutory and Non-Statutory Committees under the autonomous college.*

The Statutory and Non-Statutory Committees listed in the notes were proposed by **Dr. A. U. Patel.**

Statutory Committees / Bodies:
1. Governing Body
2. Academic Council
3. Boards of Studies - Subject specific and Interdisciplinary BOS
4. Finance Committee

Non-statutory Committees
1. Planning and Evaluation Committee
2. Grievance Appeal Committee
3. Examination Reforms Committee
4. Admission Committee
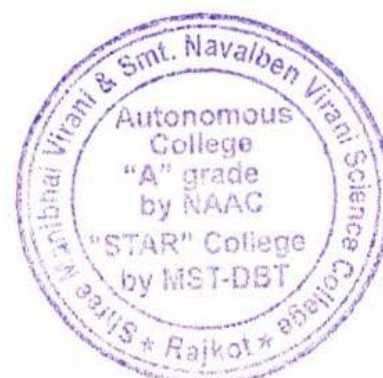
5. Library Committee
6. Student Welfare Committee
7. Extra-Curricular Activities Committee
8. Anti Ragging Committee
9. Academic Audit Committee
10. Curriculum Restructuring Committee
11. IQAC
12. Research Advisory Committee
13. Women's Cell

The above was **approved** and **seconded** by Dr. K. D. Ladva.

Dr. Sheela Ramchandran, suggested that, since the UGC's "Guideline on Autonomy during XII Plan" states that autonomous colleges will enjoy autonomy for all the UG, PG and M.Phil programmes, since DST, DBT and others also fund research in the college; and since intensive research is being done at Shree M. & N. Virani Science College, a separate committee as **Research Advisory Committee** may also be included as Non-statutory Committee.

Dr. S.P. Singh also suggested inclusion of **Women's Cell** to take care of women's empowerment and Anti-sexual Harassment in campus, as mandated by the UGC.

Hence, the above 2 committees were also included.

Agenda 3. Information regarding programmes offered

The Chairman proposed the following programmes to be offered

3.1 Existing programmes offered in the college which now come under purview of autonomy:

Dr. Sheela Ramchandran, indicated the correction in the nomenclature of one of the PG Programme (*i.e.* C.2; *M.Sc. Information Technology of the notes*) as **M.Sc. Information Technology and Computer Application,**

A. UG Programmes
1. B. Sc. Chemistry
2. Bachelor of Computer Application
3. B. Sc. Information Technology
4. B. Sc. Microbiology
5. B. Sc. Biotechnology
6. B. Sc. Industrial Chemistry
7. B. Sc. Mathematics
8. B. Sc. Biochemistry

B. B. Voc. Programmes
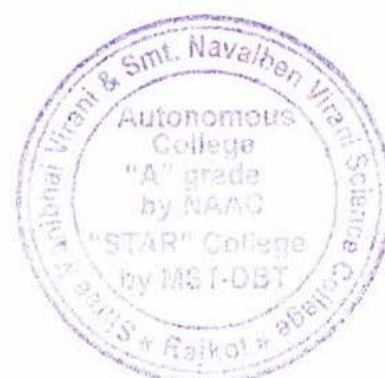
1. B. Voc. Chemical Technology
2. B. Voc. Pharmaceutical Analysis and Quality Assurance
3. B. Voc. Radiation & Imaging Technology
4. B. Voc. Advanced Computer Technology
5. B. Voc. Medical Laboratory & Molecular Diagnostic Technology

C. PG Programmes

1. M. Sc. Pharmaceutical Organic Chemistry
2. M.Sc. Information Technology and Computer Application
3. M. Sc. Microbiology
4. M. Sc. Biotechnology
5. M. Sc. Industrial Chemistry

D. M. Voc. Programmes

As per Agenda 10, the following Integrated Programmes are also introduced;

E. Integrated M.Sc. Programmes

1. Integrated M.Sc. Biotechnology
2. Integrated M.Sc. Microbiology
3. Integrated M.Sc. Chemistry
4. Integrated M.Sc. Information Technology and Computer Technology
5. Integrated M.Sc. Mathematics Programme.

3.2 Introduction of New programmes in the academic year 2016-2017 and onwards

3.2.1 M.Sc. Mathematics

Dr. J. N. Shah indicated that the introduction of **3.2.2, M.Sc. Biochemistry during 2016-2017** be deferred as desired by the Management.

All the above were **approved** and **seconded** by **Dr. Shivani Patel.**

Agenda 4. General Regulations of the Autonomous College

The Chairperson of the Academic Council moved the following resolutions

4.1 General Regulations of the Autonomous College (Appendix 2)

4.2 Admission norms (Appendix 2a)

4.3 Regulations & Procedures of Evaluation & Examinations (Appendix 2b)

Dr. (Mrs) D. P. Chauhan enquired whether transfer of credits and transitory provisions would be made. The Chairperson informed that these provisions would be made in amended Regulations.

The resolution of Chairperson was **approved** and **seconded** by **Dr. Neepa Pandhi.**

Agenda 5. Conceptual frameworks of various UG & PG Programmes under CBCS.

The members approved the introduction of the Choice Based Credit System (CBCS) in the course from A.Y. 2016-2017 & onwards, as per the UGC's Guidelines.

The Chairperson of the Academic Council moved the following resolutions

a. *Awarding of Credits*
   The credits would be awarded as indicated below for various components.
   - **Theory**   --- 1 hour of instruction   = 1 credit
   - **Practical**   --- 2 – 3 hours of instruction   = 1 credit
   - **Tutorial**   --- 1 hour of instruction   = 1 credit

b. *Components* **of CBCS Framework**

   i.   *UG Programmes*
         The components were kept in line with the UGC's Guidelines and categorized as follows:

Part I	English Language Courses
Part II	Core, DSE and Generic Elective courses
Part III	Ability Enhancement Courses

   ii.   *PG Programmes*
         The components of the same were decided based on the academic, research, job and life skills expected from a Post graduate as indicated below:

Part I	Core and DSE courses
Part II	Competency Enhancement courses
Part III	Value Education Course

c. *Credit distribution for different Programmes*
   The total credits to be earned by the student at the end of the Programme to get his Degree is
   - **UG (Other than B.Voc.)**   ----------- 140 credits minimum
   - **B.Voc.**   ----------- 180 credits minimum
   - **PG**   -----------   96 credits minimum

d. Total marks and Credit distribution

(i) UG Programmes

S.NO	PART	Total Marks	Total Credits
1.	**PART I:** Language Course	400	12
2.	**PART II :** Core, DSE-Core, DSE-Allied, Generic Elective	3500	120
3.	**PART III:** AECC- I & II, SEC- I,II & III	Remarks	08
TOTAL		3900	140

(ii) PG Programmes

S.NO	PART	Total Marks	Total Credits
1.	**PART I:** Core, Discipline Specific Elective Courses	2500	86
2.	**PART II :** Competency Enhancement Courses	500	9
3.	**PART III:** Value Education	Remarks	1
	TOTAL	3000	96

d. Conceptual Frameworks for the Programmes

The following three models of conceptual frameworks were proposed

    a. *Model I ---- Conceptual Framework for UG Programmes* (other than B.Voc.)
    b. *Model II -- Conceptual Framework for B. Voc. Programmes*
    c. *Model III --- Conceptual Framework for PG Programmes*

All the above resolutions were **approved** and **seconded** by **Dr. Sonal Shah.**

Agenda 6. ***Regulations, Schemes of Instruction & Examinations and Syllabi passed by various BoS.***

The Chairman of the Academic Council requested the Chairperson of each BoS to propose their resolution.

6.1 Resolutions of BoS in Chemistry

Dr. K. D. Ladva moved the resolutions **6.1.1 to 6.1.6.2** and **6.1.7 to 6.1.13** as in the Notes.

Regulation **6.1.6.3** *The Chairperson of BoS be authorized to frame the syllabi with approval of BoS for 3rd and 4th semester courses, to be ratified in the ensuing Academic Council meeting,* for **B.Voc in Chemical Technology** and **B.Voc. in Pharmaceutical Analysis and Quality Assurance** was **deleted** and **instead** written as

> **6.1.6.3 The following would be applicable for students admitted prior to 2016-2017 of above B.Voc. Programmes**
> - **continue under non-autonomous stream of Saurashtra University**
> - **continue to follow syllabi framed by Saurashtra University**
> - **syllabi of 3rd and 4th semester courses be as framed by Saurashtra University**
> - **would get Grade sheet and degree only from Saurashtra University**

All above resolutions were **approved** and **seconded** by **Mr. Stavan Patel.**

6.2 Resolutions of BoS in Computer Science & Information Technology

Mr. Stavan Patel moved the resolutions **6.2.1 to 6.2.6** and **6.2.7 to 6.2.11** as in the Notes.

Regulation **6.2.6.1** *The Chairperson of BoS be authorized to frame the syllabi with approval of BoS for 5th and 6th semester courses, to be ratified in the ensuing Academic Council meeting,* for **B.Voc in Applied Computer Applications** was **deleted** and **instead** written as:

> **6.2.6.1 The following would be applicable for students admitted prior to 2016-2017 of above B.Voc. in Applied Computer Technology Programmes**
> - **continue under non-autonomous stream of Saurashtra University**
> - **continue to follow syllabi framed by Saurashtra University**
> - **syllabi of 5th and 6th semester courses be as framed by Saurashtra University**
> - **would get Grade sheet and degree only from Saurashtra University**

All the above resolutions were **approved** and **seconded** by **Dr. Shivani Patel.**

6.3 Resolutions of BoS in Microbiology

Dr. Neepa Pandhi moved the resolutions **6.3.1 to 6.3.7** and **6.3.8 to 6.3.11** as in the Notes.

Resolution **6.3.7.1** *The Chairperson of BoS be authorized to frame the syllabi with approval of BoS for 5th and 6th semester courses, to be ratified in the ensuing Academic Council meeting* for B.Voc in Medical Laboratory and Molecular Diagnostic Technology was **deleted** and **instead** written as:

> **6.3.7.1** **The following would be applicable for students admitted prior to 2016-2017 of above B.Voc. in Medical Laboratory and Molecular Diagnostic Technology Programmes**
> - **continue under non-autonomous stream of Saurashtra University**
> - **continue to follow syllabi framed by Saurashtra University**
> - **syllabi of 5th and 6th semester courses be as framed by Saurashtra University**
> - **would get degree and grade sheet only from Saurashtra University**

All the above resolutions were **approved** and **seconded** by **Dr. Ravi Tank.**

6.4 Resolutions of BoS in Biotechnology

Dr. Shivani Patel moved the resolutions **6.4.1 to 6.4.9** as indicated in the Notes.

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

6.5 Resolutions of BoS in Industrial Chemistry

Dr. Vishal P Narodia moved the resolutions **6.5.1 to 6.5.8** as indicated in the Notes.

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

6.6 Resolutions of BoS in Mathematics

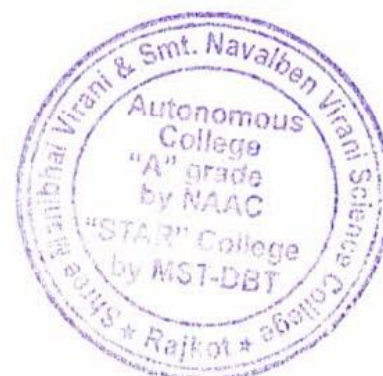**Mr. Jignasu Chauhan** moved the resolutions **6.6.1 to 6.6.9** as indicated in the Notes.

The above were **approved** and **seconded** by **Er. Ravi Tank.**

6.7 Resolutions of BoS in Biochemistry

Dr. Sonal Shah moved the resolutions **6.7.1 to 6.7.4** and **6.7.8** as indicated in the Notes.

Resolution **6.7.5** *i.e.* Introduction of M.Sc. Programme in Biochemistry, was deferred as indicated by the Management.

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

6.8 Resolutions of BoS in Physics

Mr. B. G. Paneliya moved the resolutions **6.8.1 to 6.8.3** as indicated in the Notes.

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

6.9 Resolutions of BoS in Biology

Mr. Rahul Gohel moved the resolutions **6.9.1 to 6.9.3** as indicated in the Notes. The typographical errors in the resolution 6.9.1.1, *viz* the word *Meditational Botany* and *Meditational Botany-Practical* were replaced by **Medicinal Botany** and **Medicinal Botany Practical,** respectively. The above were **approved** and **seconded** by **Mr. B. G. Paneliya.**

6.10 Resolutions of BoS in English

Mr. H. L. Pandya moved the resolutions **6.10.1 to 6.10.3** as indicated in the Notes.

He highlighted that majority of students are from rural background and poor in English language. So, in the first two semesters foundation courses in English will be taught and in 3rd and 4th semesters, more advanced course to empower the communication skills would be taught which will be highly beneficial for the students.

Dr. Sheela Ramachandran observed that Communication Skills was not only English language, but being able to expresses ones thoughts with clarity and common understanding. Therefore, clarity of thought, vocabulary, sentence formation and other skills for any form of communication were important. Of course, English being the universal foreign language being used, English language will be taught in the first four semesters, followed by intensive Communication Skill training in the 4th & 5th semesters.

The above were **approved** and **seconded** by **Er. Ravi Tank.**

6.11 Resolutions of BoS in Interdisciplinary

Dr. A. U. Patel, Chairman of Academic Council moved the resolutions **6.11.1 to 6.11.7** as indicated in the Notes.

Dr. Sonal Shah highlighted that education, which has a fundamental role to play in personal and social development, has been used to create a more skilled workforce, but often at the cost of the holistic development of the whole person. She also gave stress on exposure of value education to the students for betterment of society and progress of Nation which was unanimously accepted by all members.

Dr. Sheela Ramchandran highlighted on the mandatory need for Environmental Science by the UGC, and reiterated the need for value education.

She explained the concepts of the evaluation norms for both.
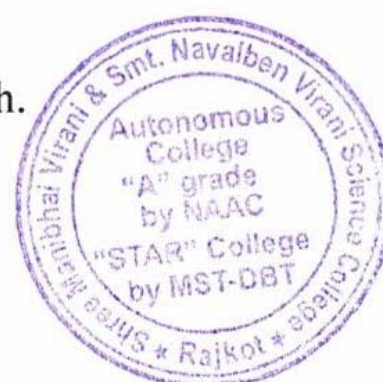
Dr. (Mrs) D. P. Chauhan enquired on the provision for completion of the two courses if a student fails to complete it. The Chairman indicated that the Guidelines for all 100% CIE will be made.

The typographical error was indicated and the table in **6.11.5 C** was deleted and replaced with following:

Range of Marks	Remarks
45 – 50	Excellent
37 – 44	Very Good
30 - 36	Good
20 – 29	Fair
19 and below	Not completed

The above were **approved** and **seconded** by **Dr. K. D. Ladva.**

Agenda 7. Guidelines and Evaluation norms for courses of 1ˢᵗ and 2ⁿᵈ semester UG, B.Voc and PG programmes

Dr. A. U. Patel, Chairman of Academic Council moved the resolutions **7.1 to 7.4** as indicated in the notes.

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

Agenda 8. Question paper patterns for Courses of UG, B.Voc., PG programmes and others

Dr. A. U. Patel, Chairman of Academic Council moved the resolutions **8.1 to 8.4** as indicated in the Notes.

Dr. Sheela Ramchandran, indicated the correction in nomenclature of one of the PG Programme's (*i.e.* 8.3.3; *M.Sc. Information Technology*) as **M.Sc. Information Technology and Computer Application.**

The above were **approved** and **seconded** by **Dr. Vishal Narodiya.**

Agenda 9. List of Paper Setters and Examiners

Dr. A. U. Patel, Chairman of Academic Council moved the resolutions **9.1 to 9.3** as indicated in the Notes.

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

Agenda 10. Introduction of Integrated Programmes as new Programmes as new Programmes

Dr. A. U. Patel, highlighted about the UGC's Gazette Notification on Specification of Degree dated **5ᵗʰ July, 2014** and **21ˢᵗ July, 2015**, wherein UGC has indicated that Universities/Institutions may introduce Integrated and Dual Degree Programmes judicially. A
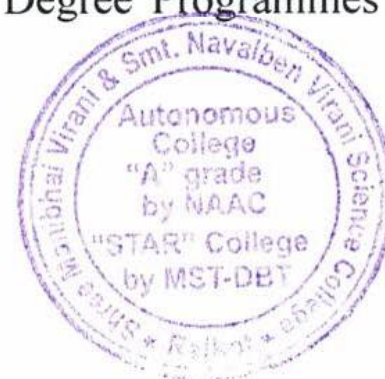
dual degree programme combines more than one subject, mostly in a horizontal spread, whereas an integrated programme is **progressive** and **cumulative**. An **integrated approach** should involve a **vertical/inter-disciplinary** discourse.

The Chairperson also highlighted the conditions and general instruction by the UGC regarding Integrated Programmes. Based on the importance of commencement of Integrated Programmes and their impact on student readiness, industry fit and intensive academic pursuits, the Chairperson proposed the following:

10.1 Introduction of the following Integrated Programmes

     10.1.1   Integrated M.Sc. Biotechnology Programme.

     10.1.2   Integrated M.Sc. Microbiology Programme.

     10.1.3   Integrated M.Sc. Chemistry Programme.

     10.1.4   Integrated M.Sc. Information Technology and Computer Technology Programme.

     10.1.5   Integrated M.Sc. Mathematics Programme.

10.2 The above Programmes be introduced from the **A.Y. 2016-2017 & onwards.**

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.

General comments by members

Dr. (Mrs) D. P. Chauhan, Vice Chancellor's nominee in Academic Council, congratulated the Chairman of Academic Council for implementation of autonomy in Shree M & N Virani Science College and appreciated the efforts carried out by members of Board of Studies of all the streams.

Dr. S.P. Singh, Vice Chancellor's nominee in Academic Council, was also agreed that academic freedom to certain potential institute have always resulted in positive outcomes and lessen the burden of the parent University.

Dr. Sameer Vaidya, Vice Chancellor's nominee, extended gratitude to the VC for nominated him and ensured the Chairpersons of all Boards of Studies of any kind of help for swift implementation of autonomy.

Mr. Dhansukhbhai Vora, Industry representative at the Academic Council, was happy with the work done and added that the new scheme and syllabi of different programme, were also suitable for the requirements of industries.
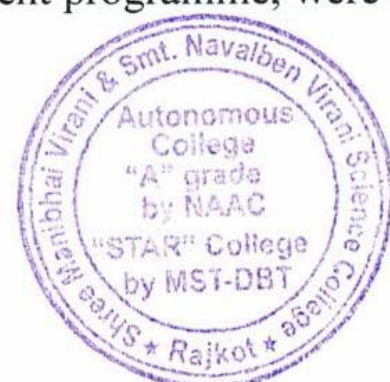
Shree Vineshbhai Patel , representative from industry reflected after the Academic Council meeting that;

1. India needs quality education and skilled students to bring about the desired changes in the current world

2. Autonomy to Shree M. & N. Virani Science College will give it a chance to prepare such skilled students and to make these changes possible in times to come

3. I congratulate Shree M. & N. Virani Science College to attain an Autonomous status and hope that this will help in imparting quality education and need based education

4. I would like to say that Industrial sector in Rajkot will always be with the institution for any type of assistance / help for the future courses and other training and placement programmes.

Dr. Sheela Ramachandran, congratulated the college and all BoS, for conceptualizing education at Shree M. & N. Virani Science College with the following 3 skills towards **Human Excellence.**

- Academic skills
- Job skills
- Life skills

She observed the dedication and commitment of all the Management, administrators and staff of the college in realizing the above; the readiness and support of the University officials, both physically and otherwise; and the **willingness for change** by all stakeholders.

Adjournment

Dr. A. U. Patel adjourned the meeting after Dr. Sonal Shah proposed the Vote of Thanks.

Sd/-

Dr. A. U. Patel

Principal