

MINUTES OF THE FIFTH MEETING OF
ACADEMIC COUNCIL HELD ON 12th JUNE, 2019

With the divine blessings of **H.D.H. Param Pujya Hariprasad Swamiji**, a meeting of members of Academic Council was held on **12th June, 2019** at **11:00 am** in the **Board room**. All the members of Academic Council, except the following, attended the meeting:

SN	Name of member	Designation	Affiliation	Reason of absence
1.	Dr. D. P. Chauhan	Professor	V.C. Nominee	Leave of absence
2.	Dr. S. P. Singh	Professor	V.C. Nominee	Leave of absence
3.	Dr. J. N. Shah	-	GB Nominee	Leave of absence

1. Welcome and Opening Remarks

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

Dr. K. D. Ladva happily informed the members that Shree M and N Virani Science College celebrated its Golden Jubilee in the year 2018-19. The festivities included a plethora of exciting events spread over the year, making it one of the most festive and memorable periods in the history of the college. From very humble beginnings in 1968, Shree M and N Virani Science College has grown leaps and bounds, and now stands tall and proud with impressive infrastructure and laboratories and student roll of over 3000 students. The college has grown from strength to strength under the able guidance of 10 Principals, and now occupies the place of pride in Saurashtra region. Talented students from the college have excelled not only in academics, but also made a mark in literary and cultural activities. In line with this celebration, a grand Alumnae meet was organized from 24 - 26 February 2019, in which more than 3000 alumni students registered for participation. One of the important outcome of this meet was the establishment of collaboration with four industries (GNFC, New Gen Path Lab, Info Infinity Pvt. Ltd. and). MoU was signed with these industries due to initiation and effort taken up by our alumni students placed in these industries.

Dr. Ladva also proudly shared that the College has secured 7th position in the list of top colleges of Gujarat under Gujarat State Institutional Rating (GISR) Framework. The ranking was awarded by Knowledge Consortium of Gujarat (KCG) Govt. of Gujarat. **Dr. Ladva** also informed that 'A' grade accreditation awarded by NAAC in cycle II was valid till February 2019, hence the college has approached the NAAC for cycle III reassessment. Since the college was in a transition phase from affiliated college to autonomous institution during 2014 to 2018 and only two years has been completed since the implementation of the



autonomy, the college requested NAAC to follow the guideline of assessment prescribed for affiliated college and not for the autonomous college, which was accepted by NAAC.

Dr. Ladva informed the august body that the UGC has conferred autonomous status to the college in the year 2012 which was implemented in full fledged in the year 2016 only after receiving NOC by parent university which was issued in the year 2015. As per the regulations of UGC the autonomous status is awarded initially for six years which can be extended further only after the recommendation of autonomy review committee. After receiving the intimation from UGC regarding reviewing the development and progress of college after autonomy, the college administration requested UGC to consider year 2016-17 as effective year of implementation of autonomy and put on hold the inspection accordingly. This was denied by UGC and a six members expert committee visited the college on 2nd - 3rd May 2019 to appraise own accords of the college. **Dr. Ladva** informed that expert committee members were very much happy with the advancement took place in the college and hopefully the autonomous status will be extended further for phase II.

Dr. Ladva informed that the CBSE and GSEB results has now been declared and the admission process and counseling has started by the administration. The demand ratio for available vacancies in different programmes is high. **Dr. Ladva** also informed that two senior faculties of the college, **Dr. Praveena Bhandari** and **Dr. Neepa Pandhi** attended a UGC sponsored Faculty Development Programme (FDP) on "Student Induction Programmes in Higher Educational Institutes" organized at UGC (WRO) Pune from 6th - 8th June 2019. The Universal Human Value workshops for students, which are organized regularly at MNVSC, were very much appreciated in this FDP and it was recommended that such types of practices should be adopted in other HEIs also. **Dr. Ladva** informed that as per the guideline of UGC, a Student Grievance Redressal Committee and a Women Anti-Harassment Committee are already working in the college which has been kept at beck and call for any complain related to students particularly during admission period.

Dr. Ladva informed that being an eligible State Higher Educational Institute for receiving fund from RUSA, a committee under the chairmanship of Principle, has been constituted which will undertake SWOT analysis of college and will apply for strategic funding for development from RUSA.

The Chairperson showed gratitude towards **Dr. Naval Kapuria** for his services as Academic Counsel Member, rendered from May 2016 to November 2018. The Chairperson also introduced **Dr. Pankaj Nariya** (newly appointed Chairman - BoS in Chemistry from November 2018) as new member inducted into the Academic Council.

Thereafter the following agenda were put forth for discussion:



AGENDA

2. Confirmation of Minutes of **Fourth Meeting** of Academic Council held on **17/07/2018**.
3. Admission to certain SF programs from A.Y. 2019-2020 & onwards.
4. Introduction of OBE concepts
5. Conceptual framework of various PG programs under OBE.
6. Composition of Board of Studies of Applied Microbiology.
7. Revised Regulations, Schemes of Instruction & Examinations and Syllabi framed by various BoS (including ID BoS).
8. Revised Question Paper Pattern for all M.Sc. Programs under OBE
9. Results of examinations of **A.Y. 2018-19**.
10. Any other agenda

TABLE AGENDA

1. Exit of students enrolled in 5 yr Integrated M.Sc. Programme
2. Academic Calendar of AY 2019 - 20

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

Agenda 2 :	<i>Confirmation of Minutes of Fourth Meeting of Academic Council held on 17th July 2018</i>
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Dr. K. D. Ladva informed that the fourth meeting of Academic Council was held on 17/07/2018 and Minutes was circulated on 25/07/2018.

No comments were received from the honourable members regarding any aspects, hence, the Minutes are taken as confirmed.

Agenda 3 :	<i>Admission to certain SF programs from A.Y. 2019-2020 & onwards</i>
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Dr. Ladva, informed the members that in the fourth meeting of Academic Council, which was held on 17/07/2018 the members has reached to the decision that since Sarvodaya Kelavani Samaj, the forerunner trust and sponsoring agency of Shree M and N Virani Science College is inclined to merge the MNVSC under the flagship of Atmiya University and run all the programme under Atmiya University (which was also communicated to Government of Gujarat through its LoI), no admission will be taken to following UG and PG programme. Therefore zero session was considered for the following programme in AY 2018 - 19 .



Self financed UG Programs	Self financed PG Programs
I. B.Sc. Biotechnology	I. M.Sc. Biotechnology
II. B.Sc. Industrial Chemistry	II. M.Sc. Microbiology
III. B.Sc. Information Technology	III. M.Sc. Chemistry
IV. BCA - Bachelor in Computer Application	IV. M.Sc. Mathematics
V. 5 year Integrated B.Sc.- M.Sc. Chemistry	V. M.Sc. Industrial Chemistry
VI. 5 year Integrated B.Sc.- M.Sc. Microbiology	VI. M.Sc. Information Technology
VII. 5 year Integrated B.Sc.- M.Sc. Mathematics	

However, until April 2019, there was no confirmation from the Government on the merging of MNVSC with Atmiya University. Hence, the Governing Body, in order to retaining & upgrading the credentials of MNVSC, Rajkot in future, in its meeting held on 24.04.2019, decided to continue the admissions in the following Self Financed programs from A.Y. 2019-2020 & onwards

Self financed UG Programs	Self financed PG Programs
I. B.Sc. Biotechnology	I. M.Sc. Biotechnology
II. B.Sc. Industrial Chemistry	II. M.Sc. Microbiology
III. B.Sc. Information Technology	III. M.Sc. Chemistry (Pharma Organic)
IV. BCA-Bachelor in Computer Application	IV. M.Sc. Chemistry (Organic Chemistry/ Analytical Chemistry)
	V. M.Sc. Mathematics
	VI. M.Sc. Industrial Chemistry
	VII. M.Sc. Information Technology

Dr. K. D. Ladva, Chairperson of the Academic Council, moved the above resolution and the same was **approved** by the members and seconded by **Prof. S. K. Vaidya**

Agenda 4 : *Introduction of OBE concepts in PG Curriculum*

Outcomes-based education has a number of advantages for instructors, educational developers, administrators and students. For example it provides a strategic way to enhance the quality of teaching and learning. OBE based education also provide a mechanism for ensuring accountability and quality assurance in education. During meetings of several statutory and non-statuary bodies of college, it was decided that OBE based model of education is very promising and beneficiary for students. Hence all the Board of studies has been instructed to revise the existing CBCS system of all M.Sc. Programmes and replace by OBE based system.

This will be effective for the students admitted from **AY 2019-2020 & onwards**.

This was ratified by the members and seconded by Dr. Sonal Shah.



Agenda 5 :	<i>Conceptual framework of various PG programs under OBE</i>
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Based on the concepts of OBE deliberated upon by the PG departments through a series of workshops over the last one year, the existing curriculum of M.Sc. programs were revised and new Scheme of Instruction and Examinations for all M.Sc. Program were framed in accordance with OBE.

M.Sc. program shall have a curriculum comprising of theory and practical courses with a specified syllabus. The curriculum of the program will be a blend of theory courses and practical courses as Core, Discipline Specific Electives (DSE) with Discipline Specific Interdisciplinary courses (ID) as clusters, Self Study courses and Generic Electives (GE). The Part II of the Conceptual framework for M.Sc. has Competency Enhancement & Life Skill Courses. The above were in the previous PG programs also. However, the following are the main changes made in relation to OBE:

- a) Vision, Mission of institute & department
- b) Graduate Attributes
- c) Program Educational Objectives for PG programs
- d) Program Specific Outcomes for PG programs
- e) Course Outcomes in terms of K levels
- f) Each course with Teaching Pedagogy & Assessment tools
- g) Discipline Specific Elective -Interdisciplinary clusters for the choice

Agenda 6 :	<i>Composition of Board of Studies in Applied Microbiology.</i>
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Chairman of AC, Dr. Ladva informed the members that the management has certain developmental plan for Microbiology Department. For introducing new self financed programme and to make the existing SF programme more proactive, the management has directed the college administration to constitute new Board of Studies in Applied Microbiology. Hence a new BoS in Applied Microbiology was constituted. **Dr. Ladva** appointed **Dr. Shivani Patel** as Chairperson of BoS in Applied Microbiology.

The above was **ratified** and seconded by **Dr. S. K. Vaidhya**.



Agenda 7 :	<i>Revised Regulations, Schemes of Instruction & Examinations and Syllabi framed by various BoS (including ID BoS)</i>
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The Chairman of the Academic Council requested the Chairperson of each BoS to propose their resolution.

7.1	Resolutions of BoS in Chemistry
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Dr. Pankaj Nariya, Chairman-BoS in Chemistry, moved the resolution 7.1.1 to 7.1.16 as indicated in the notes.

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

7.2	Resolutions of BoS in Computer Science & Information Technology
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Dr. Stavan Patel, Chairman-BoS Computer Science & Information Technology moved the resolution 7.2.1 to 7.2.11 as indicated in notes.

Dr. Stavan Patel informed the august body that as indicated in 7.2.5., the Department is going to introduce three new Co-curricular courses from this AY 2019-20. *i.e.* on Web Designing, Tech. Implementer and Trouble-shooter and Basic Python Programming. **Dr. Sheela Ramachandran** inquired about the old co-curricular courses running in the Department and its feedback. Dr. Patel informed that From AY 2016-17 and onwards the Department was offering two co-curricular courses *i.e.* on Network Administration and E-Marketing and response for these courses was overwhelming. The total registration in these courses was approximately five hundred and even the students from life science and chemistry background joined the course.

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

7.3	Resolutions of BoS in Microbiology
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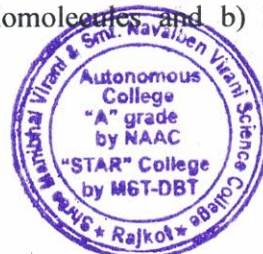
Dr. Neepa Pandhi, Chairman BoS in Microbiology moved the resolutions 7.3.1 to 7.3.9 as mentioned in the Notes.

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

7.4	Resolutions of BoS in Biotechnology
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Dr. Shivani Patel, Chairman BoS in Biotechnology moved the resolutions 7.4.1 to 7.4.16 as mentioned in the Notes.

Dr. Patel informed that in the revised curriculum, the Department has introduced two new DSE Allied Courses *i.e.* a) Chemistry of Biomolecules and b) Bioprocess



Technology which will be offered to students of M.Sc. Chemistry and Industrial Chemistry programme.

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

7.5	Resolutions of BoS in Industrial Chemistry
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Er. Ravi Tank, Chairman BoS in Industrial Chemistry moved the resolution 7.5.1 to 7.5.15 as mentioned in the Notes.

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

7.6	Resolutions of BoS in Mathematics
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Mr. Jignasu Chauhan, Chairman BoS in Mathematics moved the resolutions 7.6.1 to 7.6.13 as indicated in the Notes.

Dr. S. K. Vaidhya inquired about the value added course ' Vedic Mathematics' and put forward some valuable suggestion to make this course more proactive and interesting (**agenda item 7.6.8.1**). Chairperson **Dr. K.D. Ladva** authorized Mr. Jignasu Chauhan to revise the syllabus by taking the inputs of all BoS members and other experts and pass it in a separate meeting of BoS or through circulation. The same may be ratified in the upcoming AC meet.

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

7.7	Resolutions of BoS in Biochemistry
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Dr. S. J. Shah moved the resolutions 7.7.1 to 7.7.9 as indicated in the Notes.

The above were **approved** by the members and **seconded** by **Dr. Stavan Patel**

7.8	Resolutions of BoS in Physics
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Mr. B. G. Paneliya moved the resolutions 7.8.1 to 7.8.7 as indicated in the Notes.

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

7.9	Resolutions of BoS in Biology
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Dr. Reena P. Dave moved the resolutions 7.9.1 to 7.9.7 as indicated in the Notes.

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

7.10	Resolutions of BoS in English
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Ms. Shivangi Oza moved the resolutions 7.10.1 to 7.10.7 as indicated in the Notes.

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



7.11	Resolutions of BoS in Interdisciplinary Board (ID)
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Dr. K. D. Ladva moved the resolutions 7.11.1 to 7.11.5 as indicated in the Notes.

Dr. Ladva informed the members that MNVSC is already offering a total of 21 Value Added Courses (40 Hrs) and 19 Co-curricular courses (80 - 200 Hrs) and almost all of them were getting overwhelming response. To provide more choices to the students, from this academic year, the ID board is going to propose three more interesting Value Added Course (under SEC part III) *i.e.* a) Pranayam and Meditation, b) Tally Ace and c) Ancient and Modern Techniques of Health Restoration. This was appreciated by **Dr. Sheela Ramachandran**.

Dr. Ladva emphasized that the self expression through dance addresses many corrective methods for the problems currently being faced in the formal education system. He proposed that the integration of Classical Dance like Bharatnatyam in the curriculum can accomplish the following objectives:

- a) This type of courses can helpful in preserving Culture and History of the Nation.
- b) Uphold principles like “Vasudhaiva Kutumbakam..” and “Sarve Jana Sukhino bhavantu.”
- c) This type of courses can helpful in enhancing the aesthetic sensitivity among the students.
- d) Classical Dance can improve concentration, mental alertness, quick reflex action, physical agility and in relieving stress in the students.

Dr. Ladva proposed to introduce a new Add on certificate programme on "Basics of Classical Dance-Bharatnatyam" as indicated in agenda item 7.11.3.1. 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.

Dr. Sheela Ramachandran appreciated the above and encouraged to add more such courses/programme in future related to Fine and Performing Art (*viz.* Music, Dance, Visual Art etc.). This will not only develop the aesthetic mindset of students but also helpful in learning Higher Level Skills.

The above were **approved** by the members and **seconded** by **Dr. Vora**.

7.12	Resolutions of BoS in Applied Microbiology
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Dr. Shivani Patel, Chairman BoS in Applied Microbiology moved the resolutions 7.12.1 to 7.12.11 as mentioned in the Notes.

The above were **approved** by the members and **seconded** by **Dr. Ravi Ranjan**.



Agenda 8 : Revised Question Paper Pattern for all M.Sc. Programs under OBE

Dr. Ladva emphasized that for implementing OBE, the design of curriculum and courses should be based on specified outcomes. Thus, the challenge for the assessment is that it should be capable of measuring whether intended outcomes have been achieved or not. The existing traditional question paper pattern is ineffectual in assessing the outcome hence the Question Paper Pattern for all M.Sc. Programs under OBE is revised and a new question paper pattern incorporating Bloom's taxonomy for assessment and according to OBE was proposed.

The proposed blueprint of question paper pattern was **approved** by the members and **seconded** by **Dr. Sheela Ramchandran**.

Agenda 9 : Results of examinations of A.Y. 2018-19

The Chairman informed that The examinations of all the programs of the autonomous college have been conducted and results declared every semester within 21 days of last examination.

The Chairman also told that the first batch of students of UG programme and Second batch of PG programs have successfully passed out from the autonomous college, and e-governance of CoE Office has also accelerated the process of sending the results to Saurashtra University for early issue of provisional certificates and for their degrees.

Dr. K. D. Ladva presented the summary of results as indicated below:

S.N.	Program	Over all Pass Percentage Oct./ Nov. -2018	Over all Pass Percentage Mar. / Apr. -2019
A	UG Programs	83.30	88.34
B	B.Voc.	62.97	60.86
C	5 years Integrated B.Sc. – M.Sc. programs	54.64	84.67
D	PG Programs	84.42	99.27

Dr. S. K. Vaidya was quite happy with results of MNVSC and congratulated all the staff members and students for the hard work they had done. He also shared his observation that there has not been any typographical/marking system/out of syllabus types of grievances in question papers or any case of unfair conduct by the students during the examinations by University/ Local Flying Squad which is common and often seen in many HEIs.

Dr. Sheela Ramachandran also congratulated Controller of Examination **Dr. S. J. Shah** for timely completion of task without any faux pas. She also put on record special appreciation of **Mr. H. Donga** (Dy. Controller of Examination) for his



untiring efforts and hard work for maintaining the software and feeding of data for timely completion of job.

The above results was moved by Chairperson, **approved by all the members and seconded by Dr. S. K. Vaidya.**

Some success stories of current pass-out students were shared by members. **Dr. Shivani Patel** shared that four students of Department of Biotechnology were selected for M.Sc. Programme at Amrita University, Kerala and the interview Board of the University was so much impressed with the performance of students that they congratulated the faculties and administration of college through e-mail to the HOD. They also searched for some possibilities of collaboration with MNVSC in future.

Dr. Sonal J Shah shared that one of the student of Biochemistry Department got selected for PG programme in Canada. **Dr. Ladva** shared that six students of Chemistry Department got selected for different programmes in IISER Pune and IIT Mumbai. Similarly **Dr. Neepa Pandhi** added that two students of Microbiology Department selected for M.Sc. Food Technology Programme and one students was selected for M.Sc. Clinical Nutrition programme at Symbiosis Pune.

The above results was moved by Chairperson, **approved by all the members and seconded by Dr. S. K. Vaidya.**

TABLE AGENDA

Table Agenda 1:	Exit of students enrolled in 5 yr Integrated M.Sc. Programme
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The Chairman informed the members that as per the decision taken up by this august body in its first meeting held on 20th May 2016, the following 5 year Integrated B.Sc.-M.Sc. Programme were introduced from AY 2016-17 and onwards and students were enrolled in these programmes.

- a) 5 Year Integrated B.Sc. - M.Sc. Chemistry
- a) 5 Year Integrated B.Sc. - M.Sc. Microbiology

The following option for exit were also approved in the same meeting:

- I. Option of exit after 1st 3 years of study
 - On earning total 143 credits at the end of first 3 years of study, a B.Sc. Degree in respective subject will be given.
- II. Option of exit after 1st 4 years of study (Two certificates will be given)
 - On earning total 143 credits at the end of first 3 years of study and
 - On earning 57 credits (addition to above mentioned total 143 credits, i.e. on earning total 200 credits) at the end of 4th year of study
 - B.Sc. Degree in respective subject and PG Diploma in respective subject will be awarded.



III. Total credits to earn 5 year Integrated PG Degree

- On earning total 246 credits at the end of all the 5 years of study a B.Sc. and M.Sc. Degree viz. 5 year Integrated M.Sc. Degree in Chemistry/ Microbiology will be given.

The First batch of students of these programme has successfully completed three years in AY 2018-19 and the result of third year of this batch has already been published.

The Chairman Dr. Ladva informed the members that the Sarvodaya Kelavani Samaj Trust (the sponsoring agency of MNVSC) has shown its willingness to merge MNVSC and Atmiya University and run all its Self Finance Programme under the flagship of Atmiya University. A communication regarding the above matter has already been done with Government of Gujarat and the decision on the above is still pending. The students enrolled in the above 5 Year Integrated B.Sc. - M.Sc. programme and the college administration is still not clear about merging of MNVSC and Atmiya University. Moreover the management has certain other developmental plan, hence it was decided to give exit to the students enrolled in 5 Year Integrated B.Sc. - M.Sc. programme with a B.Sc. Degree in respective subject.

Dr. K. D. Ladva, Chairperson of the Academic Council, moved this resolution and the same was **ratified** by the members and seconded by **Prof. S. K. Vaidya**

Table Agenda 2:	Academic Calendar of AY 2019 - 20
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Dr. K. D. Ladva, Chairperson of the Academic Council informed the members that after discussion with all Head of Departments and Chairpersons of all the Board of Studies, Academic Calendar for ensuing AY 2019-20 has been generated.

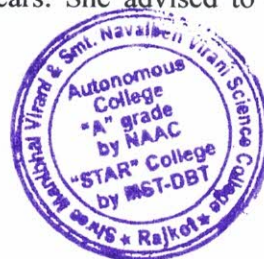
The same was circulated to all the members and all the members **approved** it.

General comments by members

Dr. S. K. Vaidhya, Vice Chancellor's nominee in Academic Council, congratulated the Chairman of Academic Council for the hard work done and for the implementation of OBE based system of education. He suggested to improve research component in the MNVSC and also to organize National and International Seminar/Symposium in the college.

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.

Dr. Sheela Ramchandran also congratulated the Chairman of Academic Council and Chairman of all the BoS for the hard work done. She also suggested to implement the OBE based system in Under Graduate Programme in coming years. She advised to organize a



student workshop on "Restructuring of Curriculum and Assessment Methods in Higher Educational Institute". This will help in further improvement in existing system at MNVSC.

Adjournment

Dr. K. D. Ladva adjourned the meeting after Vote of Thanks, proposed by Er. Ravi Tank.



Principal
Shri Manibhai Virani and
Smt. Navalben Virani Science College
(Autonomous) Rajkot.