

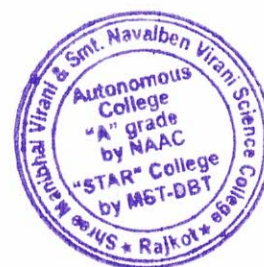
Shree Manibhai Virani & Smt. Navalben Virani Science College (Autonomous), Rajkot
Affiliated to Saurashtra University, Rajkot

MINUTES OF THE TENTH MEETING OF
ACADEMIC COUNCIL HELD ON 5th DECEMBER, 2022 IN HYBRID MODE

With the divine blessings of **H.D.H. Param Pujya Hariprasad Swamiji**, a meeting of members of Academic Council was held in hybrid mode on **5th December, 2022** at **10:30 am** using **Google Meet Platform link <https://meet.google.com/xqf-cooq-ndi>**.

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

| SN | Name of Member | Designation | Reason of Absence |
|----|---------------------|--------------------------------|-------------------|
| 1. | Shri Paresh B. Maru | GB Nominated Member - Law | Absent |
| 2. | Shri Siddharth Shah | GB Nominated Member - Industry | Absent |
| 3. | Dr. Devang A. Tank | GB Nominated Member - Medicine | Absent |



1. Welcome and introductory remarks

Dr. K. D. Ladva, welcomed the august body and informed following:

- 1.1 The Executive Committee of the Knowledge Consortium of Gujarat, Department of Education, Government of Gujarat has rated the college as a **5 Star Institution** on the basis of comprehensive performance metrics as set out in the Gujarat State Institutional Ranting Framework (GSIRF) for A.Y. 2022

1.2 Fire Safety Certificate

References:

- (1) CHE urgent & important letter no. KVT/Parach/IJC-9/2518-2875 dated 03/04/2021
(2) CHE important & timeline letter no. KVT/Parach/IJC-9/PIL/2022/3677-4034 dated 17/05/2022 and Saurashtra University letter no. Jodan/1/519/2022 dated 07/06/2022

The college has obtained Fire Safety Certificate (Form B13; Sub-Rule (1) of Rule 23) from Chief Fire Officer, Fire & Emergency Services, Rajkot Municipal Corporation vide no. RMC/RFES/College Building/NOC/328/2022 dated 15/07/2022, valid up to three years. Accordingly the CHE and SU authorities have been informed.

1.3 TEERTH (Training for Excellence, Efficiency and Research Towards Higher Education):

The college has submitted three proposals for the organization of Skill training workshops in light of NEP-2020 under the **TEERTH** project sponsored by Knowledge Consortium of Gujarat - KCG. (for GSIRF five star institutions)

Proposal-1: STEAM based Training for the Skill Enhancement:
"Robotics Masters Training and Certificate Program"

Proposal-2: Knowledge Enhancement Track:
"Environmental Testing and Monitoring"

Proposal-3: Professional Certificate Track:
"Big Data Analysis & Visualization using Python"



1.4 Recognition of Start up by Saurashtra University Start up & Entrepreneurship Council

Labeco Wares - the start up of the college was recognized & felicitated by Saurashtra University Start up & Entrepreneurship Council during New India for Young India Techade for Opportunities Program on 4th October, 2022 by **Shri Rajeev Chandrashekar**, Minister of State for Skill Development and Entrepreneurship & Minister of State for Electronics & Information Technology.

About Start- Up: Labeco Wares founded by Mr. H K Maru; deals with indigenously developed energy efficient & economic range of portable products and Modification / customization of existing setup of laboratory Wares and Systems.

The above was approved and seconded by **Shri Dhansukhbhai Vora**.

2. Overview of Academic and Administrative activities.

2.1 Confirmation of minutes of 9th meeting of Academic Council held on 16/06/2022.

Dr. K. D. Ladva informed that the ninth meeting of Academic Council was held on **16/06/2022** and since no comments were received from any member, hence the Minutes are **approved**.

The above was approved and seconded by **Dr. Hiren Joshi**.

2.2 Admission to UG programs for AY 2022-23

The provisionally admitted students to semester – I for AY 2022-23 with following details have been submitted to Saurashtra University for document verification required for enrolment process.

- B.Sc.-Chemistry (allied Physics/Mathematics)
- B.Sc.-Mathematics (allied Physics)
- B.Sc.-Biochemistry (allied Botany/Zoology)
- B.Sc.-Microbiology (allied Botany/Zoology)



| 10+2 Subject Group/ Program | | No. of Applications Received | No. of Seats Available | No. of Students Admitted |
|--------------------------------|--------------------|------------------------------------|------------------------------|--------------------------------|
| A Group (CPM) | B.Sc. Chemistry | 136 | 120 | 69+1 |
| | B.Sc. Mathematics | | | |
| B Group (CPB) | B.Sc. Microbiology | 354 | 120 | 116+2 |
| | B.Sc. Biochemistry | | | |

Total 03 students have been laterally admitted to second year B.Sc. Chemistry (01) & Biochemistry (02) programs.

Dr. Ladva informed the august body that we also had two admission from Jammu & Kashmir.

The above was ratified and seconded by **Dr. Neepa D. Pandi**.

2.3 Academic Event Calendar-2022-23

The proposed academic event calendar AY 2022-23 – **EVEN Semester** of the college for All UG Sem.-II, IV & VI has been prepared considering following guidelines / circulars:

- The common academic calendars published by Education Department, Government of Gujarat vide resolution no. Parach/2018/61/Kh.-1 dated 19/05/2022.
- The Common Academic Calendar of affiliating Saurashtra University Circular no. AK/28639/2022 dated 30/05/2022.

A.Y. 2022-23 - EVEN Semesters

| Program | Semester | Date of Commencement T & L Activity | Month of SEE | Date of Commencement of Even Semester |
|--------------------|----------|---|--------------------|---|
| All UG Programs | VI | 8 th December 2022 | April-May 2023 | 15 th June 2023 |
| | IV | | | |
| | II | 22 nd December 2022 | | |

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



2.4 Results of examination of A.Y. 2021-22 (Even Semester- II)

The highlights of the results of examinations conducted in A.Y. 2021-22 for Semester- II of all UG programs are as follows:

| Program | Semester | SEE Month & Year | Pass Percentage |
|-----------|-----------|------------------|-----------------|
| All B.Sc. | II | June - 2022 | 76.44 % |

The above results were approved by the Result Passing Board meeting dated 28/07/2022.

Overall Action Taken Report with Impact - 2021-22

| Program | Semester | Pass % | Action Taken | Impact Pass Percentage including Supplementary Nov./Dec. -2022 |
|--------------|--------------------------|----------------|---|--|
| All B.Sc. | II (June-2022) | 76.44 % | <ul style="list-style-type: none">• Course revision classes• Concept clarity sessions• Special laboratory sessions• Doubt solving sessions• Remedial coaching led by faculty members and students peers• Parents meeting | Supplementary Exam Evaluation in progress (Exam. completed on 2 nd Dec. 2022) |

The above was ratified and seconded by **Er. Ravi S. Tank.**

2.5 Feedback Mechanism

The feedback mechanism includes both structured and non-structured feedback. For AY 2022-23 (Odd semester -1/3/5) different structured feedback collection is in progress.

The above was approved and seconded by **Dr. Milan S. Vadodaria.**



3. **Deliberations made in various BoS including Interdisciplinary-BoS.**

The resolutions made / passed by individual BoS including ID-BoS are presented hereunder for approval

3.1 **Aspects related to Individual BoS**

3.1.1 **Resolutions of BoS in Chemistry**

The BoS in Chemistry met on **12.11.2022** to deliberate on the above aspects, and **I, Dr. M. S. Vadodariya**, have the honour to move the followings:

- 3.1.1.1 Scheme of Learning and Evaluation for Semester-IV of B.Sc. Chemistry program be approved.
- 3.1.1.2 Syllabi framed for all theory & practical courses of Semester-IV of B.Sc. Chemistry program be approved.
- 3.1.1.3 Syllabi of Part-II - DSE cluster theory & practical courses: Conceptual Analytical & Physical Chemistry; for Sem.-IV offered by department be approved.
- 3.1.1.4 Syllabi and evaluation norms framed for Part-II - Trans Disciplinary Elective (TDE-1) course: Chemical Hazards and Safety in 4th semester; offered by the department be approved.
- 3.1.1.5 Syllabi and evaluation norms of Part-III-AECC- Skill Enhancement Course (SEC)-II - Co-Curricular Courses (CoC): Surface Coating Techniques offered by the department be approved.
- 3.1.1.6 Question Paper Pattern framed for Semester-IV courses of B.Sc. Chemistry program be approved.
- 3.1.1.7 List of paper setters and examiners for all theory & practical courses for Semester-IV of B.Sc. Chemistry program be approved.
- 3.1.1.8 All the above will be applicable for students admitted from **A.Y. 2021-22 & onwards**

The above was approved and seconded by **Dr. Mihir J. Joshi**.



3.1.2 Resolutions of BoS in Mathematics

The BoS in Mathematics met on **12.11.2022** to deliberate on the above aspects and I, **Mr. Jignasu N. Chauhan**, have the honour to move the followings:

- 3.1.2.1 Scheme of Learning and Evaluation for 4th Semester of B.Sc. Mathematics be approved.
- 3.1.2.2 Syllabi framed for all theory & practical courses including the core elective courses of Semester-4th of B.Sc. Mathematics program be approved.
- 3.1.2.3 Syllabi of Part-II -DSE cluster theory & practical courses for Sem.-IV offered by department be approved.
 - 3.1.2.3.1 Mathematics for Scientific Calculation and Analysis
 - 3.1.2.3.2 Advance Mathematics
- 3.1.2.4 Syllabi and evaluation norms framed for Part-II: Trans Disciplinary Elective (TDE-1) course: Fundamentals of Statistics offered by the department in 4th semester be approved.
- 3.1.2.5 List of Paper Setters and Examiners for all Practical & Theory courses for 4th semester be approved.
- 3.1.2.6 Question paper pattern for 4th semester theory & practical courses be approved.
- 3.1.2.7 All the above be applicable for students admitted from **A.Y. 2021-22 & onwards.**

Mr. Jignasu Chauhan informed the august body that in the agenda & notes circulated there is a typographic error in numbering the agenda of the resolutions passed in some Board of Studies.

Dr. Ladva noted the same & responded that it will be corrected wherever needed.

The above was approved and seconded by **Prof. Sameer K. Vaidya**.



3.1.3 Resolutions of BoS in Microbiology

The BoS in Microbiology met on **12.11.2022** to deliberate on the above aspects, and I, **Dr. Neepa Pandhi**, have the honour to move the followings:

- 3.1.3.1 The Scheme of learning and Evaluation for 4th Semesters of B.Sc. Microbiology be approved.
- 3.1.3.2 Syllabi of all theory & practical courses including Core elective courses of 4th Semester of B.Sc. Microbiology be approved.
- 3.1.3.3 Syllabi of Part-II - DSE cluster theory & practical courses: Pharmaceutical Microbiology; offered in 4th Semester be approved.
- 3.1.3.4 Syllabi & evaluation norms of Part-II: Trans Disciplinary Elective (TDE-1) course: Microbes in Human Welfare; offered by the Department in 4th Semester be approved.
- 3.1.3.5 List of Paper Setter and Examiner for all the 4th Semester courses be approved.
- 3.1.3.6 Question paper pattern for 4th Semester theory & practical courses be approved.
- 3.1.3.7 All the above be applicable for students admitted from **A.Y. 2021-22 & onwards.**

The above was approved and seconded by **Dr. Bimal S. Trivedi**.

3.1.4 Resolutions of BoS in Biochemistry

The BoS in Biochemistry met on **12.11.2022** to deliberate on certain aspects, and I, **Dr. Sonal J. Shah**, have the honour to move the following:

- 3.1.4.1 The Scheme of learning and Evaluation for 4th Semester of B.Sc. Biochemistry be approved.
- 3.1.4.2 Syllabi of all theory & practical courses including Core elective courses of 4th Semester of B.Sc. Biochemistry Program be approved.
- 3.1.4.3 Syllabi of Part-II - DSE cluster theory & practical courses: Nutritional Biochemistry to be offered in 4th Semester be approved.



- 3.1.4.4 Syllabi & evaluation norms of Part-II: Trans Disciplinary Elective (TDE-1) course: Lifestyle Disorder offered by the Department in 4th Semester be approved.
- 3.1.4.5 List of Paper Setter and Examiner for all the 4th Semester courses be approved.
- 3.1.4.6 Question paper pattern for 4th Semester theory & practical courses be approved
- 3.1.4.7 All the above be applicable for students admitted from A.Y. 2021-22 & onwards.

The above was approved and seconded by **Dr. Neeharika C. Rawat**.

3.1.5 Resolutions of BoS in Physics

The BoS in Physics met on **12.11.2022** to deliberate on the above aspects, and I, **Dr. B. S. Trivedi**, have the honour to move the followings:

- 3.1.5.1 Syllabi for DSE cluster theory and practical courses: Electronics, and Mathematical Physics; offered to other B.Sc. program in 4th Semester be approved
- 3.1.5.2 Syllabi & norms of evaluation for TDE-1 course: Non conventional Energy Resources; offered to other B.Sc. program in 4th Semester be approved
- 3.1.5.3 Question paper patterns for 4th Semester theory & practical courses be approved
- 3.1.5.4 List of Paper Setters and Examiners for Practical & Theory courses for 4th semester be approved
- 3.1.5.5 All the above be applicable for students admitted from A.Y. 2021-22 & onwards.

Dr. B. S. Trivedi informed the august body to correct a typographic error in the title of the course as “Magnetism, and Mathematical Physics” instead of “Electronics, and Mathematical Physics” in the point 3.1.5.1

The above was approved and seconded by **Dr. Hiren Joshi**.



3.1.6 Resolutions of BoS in Biology

The BoS in Biology met on **12.11.2022** to deliberate on the above aspects, and I, **Dr. Reena P. Dave**, have the honour to move the followings:

- 3.1.6.1 Syllabi for DSE cluster theory and practical courses: Basics of Ecology; offered to other B.Sc. program in 4th Semester be approved.
- 3.1.6.2 Syllabi & norms of evaluation for TDE-1 course: Wild Life Ecology; offered to other B.Sc. program in 4th Semester be approved.
- 3.1.6.3 Question paper patterns for 4th Semester theory & practical courses be approved
- 3.1.6.4 List of Paper Setters and Examiners for Practical & Theory courses for 4th Semester be approved.
- 3.1.6.5 All the above be applicable for students admitted from **A.Y. 2021-22 & onwards.**

The above was approved and seconded by **Dr. Neeharika Rawat**.

3.1.7 Resolutions of BoS in English

The BoS in **English** met on **12/11/2022** to deliberate on the below aspects, and I, **Dr. Neeharika Rawat** have the honour to move the followings:

- 3.1.7.1 Scheme of Learning & Evaluation for Semesters-IV of all B.Sc. Programs
- 3.1.7.2 Syllabus for Course offered to all B.Sc. programs in 4th Semester.
- 3.1.7.3 Syllabi and evaluation norms framed for Part-II - Trans Disciplinary Elective (TDE-1) course: Indian English Literature in 4th semester; offered by the department be approved.
- 3.1.7.4 List of Paper Setter and Examiner for 4th semester courses.
- 3.1.7.5 Question paper pattern for 4th semester courses
- 3.1.7.6 All the above be applicable for students admitted from A.Y. 2021-22 & onwards.

The above was approved and seconded by **Dr. Reena P. Dave**.



3.1.8 Resolutions of Interdisciplinary BoS

Dr. Ladva informed the august body that as per the recommendation received from the members in the 9th Academic council, Special Interdisciplinary BoS met on 18.06.2022 was conducted and the resolutions of the Special Interdisciplinary BoS meeting have been incorporated in the Minutes of 9th Academic Council Meeting.

Prof. Vaidya appreciated the quick action and also mentioned that the burden less effective evaluation tools for measuring the progress of the students must be framed and passed in the respective BoS. Dr. Ladva replied that the compliance to the same has been done. Dr. Ladva also mentioned that approx 20 students will participate in the two exam, which have been declared by staff selection board in the month of December this year & January in coming Year and with the blessings of P.P. Swamiji they all will get through the aforementioned exams.

Dr. Sonal Shah added information that the course is being very much popular amongst students as indicative from the fact that more than 50 students have selected & enrolled this course.

A) The Special Interdisciplinary BoS met on **18.06.2022** and I, **Dr. S. J. Shah**, have the honour to move the following resolutions.

3.1.8.1 Syllabi and evaluation norms of Part III- Skill Enhancement Courses – SEC-II – Co-curricular Courses:

3.1.8.1.1 Quantitative Aptitude and Logical Reasoning for Government

3.1.8.1.2 Preparation for Gujarat State Government Competitive exam.

3.1.8.2 All the above be applicable for students admitted from A.Y. 2021-22 & onwards.

B) The Interdisciplinary BoS met on **03.12.2022** and I, **Dr. S. J. Shah**, have the honour to move the following resolutions.

3.1.8.3 Syllabi and evaluation norms of Part II - Core Enrichment Course: Concept to Practice offered in semester-4 of all B.Sc. programs



- 3.1.8.4 Syllabi and evaluation norms of Part III B - Finishing School (FS): Career Acceleration Program (CAP) – Component-IV: Quantitative Aptitude Training; offered in semester-4 of all B.Sc. programs
- 3.1.8.5 All the above be applicable for students admitted from A.Y. 2021-22 & onwards.

Following courses are framed under Indian Knowledge System- IKS in light of NEP-2020

- 3.1.8.6 Syllabi and evaluation norms of Part III- Skill Enhancement Courses- SEC-II: Co-Curricular Courses: Sanskrit Gyanvardhanam (in Collaboration with AGS, Rajkot and Sanskrit Bharti, Rajkot)
- 3.1.8.7 Syllabi and evaluation norms of Part III- Skill Enhancement Courses-I: Value Added Courses-VAC:
- 3.1.8.7.1 Information Literacy (in Collaboration with Library & Learning Centre, AGI, Rajkot)
- 3.1.8.7.2 Ashtanga Yoga: Introduction to Principles & Practices (in Collaboration with Life Centre, Rajkot)
- 3.1.8.7.3 Introduction to Indian Classical Vocal Music (in Collaboration with AGS, Rajkot)
- 3.1.8.8 All the above be applicable for students admitted from A.Y. 2022-23 & onwards.

As today is World Soil Day, Dr. Ladva informed the august body that the Department of Biology has come up with a solution of a social problem as an outcome of the course entitled under Concept to Practice. The students of have prepared Terrarium, which has a selective plant in a glass container, as an assignment wherein the student can study the strata of the soil, observe the development of roots and plants etc.

Prof. Vaidya wanted to know how the syllabi of the course entitled “Introduction to Indian Classical Vocal Music” is framed. Dr. Ladva informed that the course has been framed by inviting and co-opting special expert member, who is doctorate in the field and also holds record in Asia Record Book, from Atmiya Groups of Schools. Dr. Vaidya also suggested that the institute also take expertise from faculty of performing arts of Saurashtra University, Rajkot as well as Maharaja Sayajirao University, Vadodara.



Dr. Ladva invited all the esteemed members to share their words of wisdom:

Shree Dhansukhbhai Vora expressed that he is very much pleased with the academic development of the institute as suggested to start new vocational programs catering to the needs of Region of Rajkot. Dr. Ladva informed that the institute is offering such type of courses in under domain of Co-curricular Courses (COC) and Value Aided Courses (VAC) and in past the institute has started many such vocational programs under the Dindayal Upadhiyay Kaushal Kendra Scheme but due to certain administrative aspects and financial support from UGC, the managing Trust has discontinued the programs recently. Even in the previous academic council, the first agenda regarding the conferment of the degree certificate to the B.Voc. students is still pending with the Saurashtra University, Rajkot but now positively after replying all the queries raised all the three batches of B.Voc. students may be getting their degree in next ensuing convocation ceremony of the Saurashtra University.

Dr. Hiren Joshi expressed that he is very happy to see that the institute is offering courses which adhering to fundamental concepts and pure knowledge especially in physics as he himself belongs to the physics domain.

Dr. Mihir Joshi congratulated Dr. Ladva and expressed his sense of satisfaction for the academic development of the institute. He suggested to go for some collaboration with Community Science Center, Rajkot who has recently started a course on 3-D printing as well as computer coding program. He suggested to have a course on cinematography which is very useful for students in this digital era. Dr. Joshi appreciated the course offered by Department of Biochemistry entitled "Lifestyle Disorder" as it is the course which is in need due to urbanization. He also suggested that Department of Biology can do study of different types of plants, insect and birds present inside the campus. Dr. Mihir Joshi congratulated Mr. H.K. Maru for his achievement for the Labeco Wares Startup. Dr. Ladva supplemented that the institute has received 11 Do It Yourself (DIY) Kits from Innovation Club Scheme of Knowledge Consortium of Gujarat, Gandhinagar, the institutional coordinator for the scheme is Dr. Mayur Parmar. The Government has given a 3-D pen which can be utilized for developing 3-D prototype or model. Moreover the Sponsoring Trust has shown keen interest to provide the institute a 3-D printer. Dr. Ladva also informed that during the Golden Jubilee Celebration Year (2018) of the college the Department of Biology has conducted and published a manual on the study of flora and fauna the campus with pictures and scientific details.




Prof. Vaidya proposed that whatever Dr. Mihir Joshi suggested can be covered under the course entitled "Concept to Practice". Dr. Vaidya congratulated the team for enthusiastically implementing all the new component need for implementation of NEP-2020.

The above was ratified and seconded by **Prof. Sameer K. Vaidya**.

Adjournment:

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




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