

MINUTES OF THE NINTH MEETING OF
ACADEMIC COUNCIL HELD ON 16th JUNE, 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 **18th January, 2022** at **10:30 am** using **Google Meet Platform link <https://meet.google.com/mqb-idce-oob>**. Due to digital technical glitches external members were not able to join the meeting with the shared link with them, hence new link was generated & shared with all the members. **The newly generated Google Meet Platform link was <https://meet.google.com/cmr-mzah-zve>**. 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	Leave of absence

1. Welcome and introductory remarks by Chair

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

• **Issuance of Final Degree Certificate to B.Voc. and 5 Years Integrated Programs:**

In response to the follow-ups taken by the college; the agenda of issuance of final degree certificates was discussed in the senate meeting of the University on 01/02/2022 (Saurashtra University Senate meeting dated 01/02/2022 minutes).

Prof. G. C. Bhimani Sir has described the process followed by the college for the introduction of new program in an autonomous college based on UGCs regulation and also the UGC regulations regarding 5 Years Integrated B.Sc. - M.Sc. program.

It was resolved in the said senate meeting that,

- Approval be given to the following 5 Years Integrated programs
 - 5 Years Integrated B.Sc.- M.Sc. Chemistry - 5 Years Integrated B.Sc.-M.Sc. Mathematics
 - 5 Years Integrated B.Sc.-M.Sc. Microbiology



- To include above three programs in statute – 158(3) related to degree/convocation under faculty of science of Saurashtra University respective degree
- As per UGC regulation / nomenclature; in case of interim exit following respective degrees be given:

Bachelor of Science (Chemistry) - Bachelor of Science (Mathematics) - Bachelor of Science (Microbiology)

- To discontinue the above three programs w.e.f. A.Y. 2022-23.

Accordingly the said degree will be conferred to all successful candidates in ensuing convocation ceremony of Saurashtra University i.e. in Dec.-2022.

The Saurashtra University have given assurance to the college that the B.Voc. CT & B.Voc. PAQA degrees will also be conferred to all successful candidates in the said convocation ceremony.

- **Disaster Management - Fire Safety Measures**

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 already placed Fire Extinguishers and Sand Buckets in entire premises at recommended places since 1988 & onwards.

The central infrastructure maintenance cell of the college has recently completed the installation of Fire Detection & Fire Fighting Hydrant System as per approved installation plan and also applied for NOC to Rajkot Municipal Corporation (vide RMC inward no. 155 dated 19/05/2022). The fire safety installation undertaking has been submitted to CHE & SU.

- **IDY- 2022**

References:

- (1) UGC (WRO), Pune email dated 11/04/2022, 08/04/2022, 19/04/2022 and 22/04/2022
- (2) AISHE Reminder email dated 11/06/2022

UGC, WRO emails regarding the celebration of International Day of Yoga-2022 in a befitting manner with their high 'spirits'; HEIs have been asked to submit activity plan from April to June, 2022 followed by reminder from AISHE.



The college has submitted/uploaded Holistic Activity Planner - IDY-2022 on link provided by the UGC.

The college has signed MoU with Gujarat State Yog Board on 23rd May 2022.

- **Innovation Club**

The college has participated / conducted following activities under Innovation Club:

- One month training on Basics of Vernacular Innovation – 02-Faculty+10-Students
- Two days workshop for Innovation Club Coordinator
- 07 projects submitted in district level project competition based on Amrut Navsarjan Software
- Received 10 different Do-IT-Yourself (DIY) Kits from CHE, Gandhinagar
Advanced Electronic Kit - Agri-Tech Kit - Basic Electronic Kit - Energy Conservation Kit - Mechanical Kit - Mechatronics Kit - Telescope Kit - Science Kit - Drone Kit

The above was approved and seconded by **Dr. Neepta D. Pandhi**.

2. Overview of Academic and Administrative activities.

2.1 Confirmation of minutes of 8th meeting of Academic Council held on 18/01/2022.

Dr. K. D. Ladva informed that the eighth meeting of Academic Council was held on 18/01/2022 and since no comments were received from any member, hence the Minutes are **approved**.

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

2.2 Admission to UG programs for AY 2022-23

The college has initiated online / offline admission processes from 12th May 2022 as per admission / admission processing committee's resolution the admission process and merit list schedule is published on college website. The admission counselling cell is setup and academic counselling is being made online as well as at college.

The admissions process is in progress for the following Grant-in-Aid programs for A.Y. 2022-23. The details provisionally admitted students will be 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 (as on 15/06/22)
A Group (CPM)	B.Sc. Chemistry	100	120	36
	B.Sc. Mathematics			
B Group (CPB)	B.Sc. Microbiology	311	120	70
	B.Sc. Biochemistry			

- CBSE board and GSHSEB repeater result will be announced during July 2022 and NEET exam is scheduled on 17/07/2022
- GSHSEB Result-2022:
 - 10+2 Group-A: Total registered / successful candidates 33,446 / **26,183** (78%)
 - 10+2 Group-B: Total registered / successful candidates 61,928 / **42,469** (68%)

Prof. Sheela Ramachandran insisted Dr. Ladva that the admission scenario is going to be more or less similar in the upcoming years. Hence, firstly, attract students from whole of Gujarat & take immediate steps so that students know that the College is in top five science colleges in entire Gujarat. Secondly, admit students from outside Gujarat as per the prevailing norms of the affiliating Saurashtra University, accordingly work to create branding of the institute.

Dr. Ladva informed the august body that the college is at second place as on today in terms of number of students admitted in first year graduation in the Saurashtra Region. He also informed the august body that the college is expecting more admissions soon after the announcement of results NEET and +2 CBSE exam. Dr. Ladva informed that the matter was discussed in the meeting of the admission / processing committee and accordingly resolution made to publish news paper advertisement for admission. The committee has also decided to strengthen Sci-popularization activity and to conduct career counseling sessions, seminars/workshops, and boot camps etc in schools.

The above was approved and seconded by **Dr. Sheela Ramachandran**.



2.3 Academic Event Calendar-2022-23

The proposed academic event calendar AY 2022-23 – ODD Semester of the college for All UG Sem.-I, III & V 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 - ODD Semesters

Program	Semester	Date of Commencement T & L Activity	Month of SEE	Date of Commencement of Even Semester
All UG Programs	V	15-June-2022	Nov.- 2022	08-Dec.-2022
	III	23-June-2022		
	I	23/30-June-2022		

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

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

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

Program	Semester	SEE Month & Year	Pass Percentage
All B.Sc.	VI	March / April – 2022	93.22
	IV	March / April – 2022	83.75
	I	Feb. - 2022	62.68

The above results were approved by the Result Passing Board (meetings dated 16/05/2022 and 26/02/2022) of the college. The consolidated results of all semesters of all UG programs with classification of the grade of **graduating candidates** will be submitted by 20/06/2022 in prescribed O.R. format to Saurashtra University for the award of the degree in ensuing convocation.

Prof. Sheela Ramachandran pointed out that the pass percentage of exit semester should be inclusive of results of additional supplementary. Dr. Ladva informed the august committee that the pass % data is kept here as we submit O.R. to the Saurashtra University two times



one O.R. after semester end examination and another O.R. after additional supplementary examination for the sake of issuance of provisional degree certificate to the students.

Overall Action Taken and Impact - 2021-22

Program	Semester	Pass Percentage	Action Taken	Impact Pass Percentage including Supplementary March/April-2022
All B.Sc.	III (Oct./ Nov. - 2021)	89.08%	<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 	96.57%
	V (Oct./ Nov. - 2021)	85.18%		94.67%
	I (Feb. - 2022)	62.68%		Supplementary Exam in progress

The above approved and seconded by Er. R. S. Tank.

2.5 Feedback Mechanism

The college collects the feedback on various aspects from different stakeholders such as the students, alumni, faculty, academic peers and employers to ensure and analyze the academic excellence at student and faculty levels. Periodical analysis is also made by the committee for quality enrichment.

The feedback mechanism includes both structured and non-structured feedback. For AY 2021-22 different structured feedback collected are as follows. All the feedbacks were taken online and analyzed on a five-point rating scale.



Structured Feedback System- 2021-22

S.N.	Feedback Aspects	Periodicity	Analysis Av. Score
1	Student's Feedback on Theory Courses	Semester	4.01
2	Student's Feedback on Practical Courses	Semester	4.08
3	Student's Feedback on Faculty handling the Course	Semester	4.16
4	Student's Feedback on Infrastructure, Procedural Discipline & Support Activities	Annual	3.92
5	Student's Feedback on Program Curriculum, Assessment & Evaluation	End of the program	4.00
6	Parents Feedback	End of the program	4.12
7	Students Satisfaction Survey	Annual	3.44 (out of 4)

* The maximum score is 5 and the minimum score is 1, where 5 indicates excellent, 4 indicates very good, 3 indicates good, 2 indicates fair and 1 indicates satisfactory.

• Overall Action Taken and Impact - 2021-22

Observation / Suggestions	Action taken
Sem.-5 students have given lower score to following aspects: Clarity and relevance of text books/ reference books / journals related to courses	<ul style="list-style-type: none"> Course wise faculty members have conducted awareness sessions Assignments based on the recommended reference books were given Department wise book / journal collection exhibition were made New reference books as per the updated syllabus made available Orientation to Information Literacy included in SIP <p>Impact: Increase in library footfall and improvement in overall result of Sem.-6</p>
More practical training sessions are desired by the Sem.-1 students	<ul style="list-style-type: none"> Special practical sessions for conceptual clarity & practice were conducted in the beginning of Sem.-2 Faculty members informed to give more emphasis on practical performance Consideration be made to incorporate experiential learning based course curriculum if required <p>Impact: Improved performance of students is observed during SEE practical examination</p>



<p>More field visits / educational tours are desired by Sem.-3 & 5 students</p>	<ul style="list-style-type: none"> • Departments were informed to organize and conduct field visits / educational tours as per academic calendar and curriculum need.
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Prof. Sheela Ramachandran made suggested to give attention and take immediate steps for the criteria with lower score below 4.5. The ATR & its impact is good but the institute should quantify the data & give percentage of improvement, which will be also useful in NAAC accreditation. Finally to host all this information on the INTRANET so that anyone can access this data with admin permission. Dr. Ladva informed the august body that as per the NAAC requirement we have uploaded Student's Satisfaction Survey (SSS) online but the college will also take measures to make it digitally available.

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

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

As per the suggestion made by Dr. Sheela Ramachandran; the college has finalized in HoD Council meeting the following two tracks for DSE and TDE course clusters in light of NEP-2020.

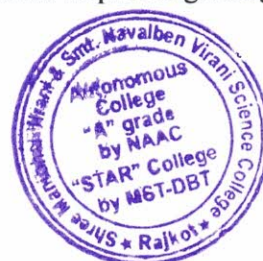
- Sustainable development
- Health and wellness

The college has signed two MoUs with following organizations on 10th May 2022:

- Kundaria Cancer Prevention Foundation, Division of Rajkot Cancer Society, Rajkot.
- Saurashtra Kidney Research Institute (SKRI) managed by B. T. Savani Kidney Hospital, Rajkot.

Prof. Sheela Ramachandran appreciated that the four UG department of the institute has develop tracks DSE & TDE courses. Prof. Sheela Ramachandran observed that the track entitled 'Sustainable Development' is very broad field, it need to be narrowed down the specific track with respect to the existing department only.

She requested the members of this Academic Council to converse following three points as the institute is graded A+ by NAAC so the Principal must enquire regarding the stand



of Knowledge Consortium of Gujarat (KCG) & Gujarat Government (GoG) in terms of adopting NEP-2020 holistically.

1. Whether KCG & GoG agreed for 4 Years Degree Program- FYDP to implement in the State?

2. The UGC has now rolled out regulations for Ph.D., Academic Bank of Credits (ABC) & Online Education. If any student has completed 4 Years UG program with 4th year as Research Intensive than the student can progress directly to Ph.D. program. The institute being the leading pioneer institute, we must not miss out any new opportunity even for 2021 admitted students.

3. What is the stand of KCG & GoG for multiple entry & exit?

Dr. Ladva made aware the august body that the regarding the main objective of the aforementioned MoU's to support the two tracts decided under DSE & TDE which includes creation of awareness regarding cancer, conduction of short term training program, social/technical internship, collaborative research projects etc. Dr. Ladva also added that during finalization of the tracks & subtract, it is targeted to narrow it down to ecosystem & environment including data analytics, basic electronics.

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 **02/05/2022** 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-III** of B.Sc. Chemistry program

3.1.1.2 Syllabi framed for all theory & practical courses of Semester-III of B.Sc. Chemistry program

3.1.1.3 Syllabi for DSE theory and practical courses offered to other B.Sc. program in 3rd Semester.

3.1.1.4 Syllabi & Evaluation norms framed for Part-III: Skill Enhancement Course (SEC): Co-Curricular Courses (CoC) entitled "Quantitative Aptitude & Logical Reasoning for Government & Bank Competitive Exams" offered by Chemistry department



- 3.1.1.5 List of Paper Setters and Examiners for Semester-III - Practical & Theory courses of B.Sc. Chemistry program
- 3.1.1.6 Question Paper Pattern framed for Semester-III courses of B.Sc. Chemistry.
- 3.1.1.7 All the above be applicable for students admitted from **A.Y. 2021-22 & onwards.**

Prof. Sheela Ramachandran pointed out that the agenda 3.1.1.4 should be passed in Inter Disciplinary (ID) Board since the BoS in Chemistry does not have the competent member to frame/pass Syllabi & Evaluation norms for Part-III: Skill Enhancement Course (SEC)-II: Co-Curricular Courses (CoC) entitled “Quantitative Aptitude & Logical Reasoning for Government & Bank Competitive Exams”. May be the coordinator for this course can be hailed from Department of Chemistry. Hence, this 3.1.1.4 needs to be ratified in the ID BoS.

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

3.1.2 Resolutions of BoS in Mathematics

The BoS in Mathematics met on **28/04/2022** 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 **3rd Semester** of B.Sc. Mathematics.
- 3.1.2.2 Syllabi framed for all theory & practical courses of Semester-III of B.Sc. Mathematics program.
- 3.1.2.3 Syllabi for DSE theory and practical courses offered to other B.Sc. program in 3rd Semester.
- 3.1.2.4 Syllabi & Evaluation norms framed for Part-III: Skill Enhancement Course (SEC): Co-Curricular Courses (CoC) entitled “Preparation for Gujarat State Competitive Exams” offered by Department of Mathematics.
- 3.1.2.5 List of Paper Setters and Examiners for Practical & Theory courses for 3rd semester.
- 3.1.2.6 Question paper pattern for 3rd semester courses of B.Sc. Mathematics.
- 3.1.2.7 All the above be applicable for students admitted from **A.Y. 2021-22 & onwards.**

Prof. S. K. Vaidya suggested to frame/pass revised syllabi & evaluation norms as cited above in 3.1.2.4 in ID BoS.

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 **28/04/2022** to deliberate on the above aspects, and I, **Dr. Neepa Pandhi**, have the honour to move the followings:

- 3.1.3.1 Scheme of Learning and Evaluation for **3rd Semesters** of B.Sc. Microbiology.
- 3.1.3.2 Syllabi of courses of **3rd Semesters** of B.Sc. Microbiology Program
- 3.1.3.3 Syllabi & evaluation norms of Part-III: Skill Enhancement Course (SEC): Co-Curricular Courses (CoC) entitled “Biofertilizer” offered by Microbiology department.
- 3.1.3.4 List of Paper Setters and Examiners for Practical & Theory courses for 3rd semester.
- 3.1.3.5 Question paper pattern for 3rd Semester theory & practical courses.
- 3.1.3.6 All the above be applicable for students admitted from A.Y. 2021-22 & onwards.

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

3.1.4 Resolutions of BoS in Biochemistry

The BoS in Biochemistry met on **29/04/2022** to deliberate on certain aspects, and I, **Dr. Sonal J. Shah**, have the honour to move the following:

- 3.1.4.1 Scheme of Learning and Evaluation for 3rd Semester of UG Program – B.Sc. – Biochemistry
- 3.1.4.2 Syllabi of Semester-III theory and practical courses of UG Program- B.Sc. – Biochemistry.
- 3.1.4.3 Syllabi & evaluation norms of Part-III: Skill Enhancement Course (SEC): Co-Curricular Courses (CoC) entitled “Medical Laboratory Techniques (MLT)” offered by the department.
- 3.1.4.4 List of Paper setters and Examiners for Practical & Theory courses of Semester-III.



3.1.4.5 Question paper pattern for Semester-III theory & practical courses.

3.1.4.6 All the above be applicable for students admitted from 2021-22 & onwards.

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

3.1.5 Resolutions of BoS in Physics

The BoS in Physics met on **30/04/2022** to deliberate on the above aspects, and I, **Prof. B. S. Trivedi**, have the honour to move the followings:

3.1.5.1 Syllabi for DSE theory and practical courses offered to other B.Sc. program in 3rd Semester.

3.1.5.2 List of Paper Setters and Examiners for Practical & Theory courses for 3rd semester.

3.1.5.3 Question paper patterns for 3rd Semester courses.

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

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

3.1.6 Resolutions of BoS in Biology

The BoS in Biology met on **30/04/2022** 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 theory and practical courses offered to other B.Sc. program in 3rd Semester.

3.1.6.2 List of Paper Setters and Examiners for Practical & Theory courses for 3rd semester.

3.1.6.3 Question paper pattern for 3rd Semester courses.

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

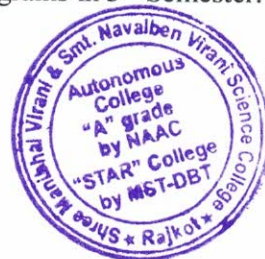
The above was approved and seconded by **Dr. Hiren Joshi**.

3.1.7 Resolutions of BoS in English

The BoS in **English** met on **29/04/2022** 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-III of all B.Sc. Programs

3.1.7.2 Syllabus for Course offered to all B.Sc. programs in 3rd Semester.



- 3.1.7.3 Syllabi & evaluation norms of Part-III: Skill Enhancement Course (SEC): Co-Curricular Courses (CoC) entitled “Communication in English” offered by English department.
- 3.1.7.4 List of Paper Setter and Examiner for 3rd semester courses.
- 3.1.7.5 Question paper pattern for 3rd 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 **Er. Ravi S Tank**.

3.1.8 Resolutions of Interdisciplinary BoS

The Interdisciplinary BoS met on **02.05.2022** and I, **Dr. S. J. Shah**, have the honour to move the following resolutions.

- 3.1.8.1 Syllabus and Evaluation norms of Part-III B - Finishing School (FSC) : Career Acceleration Program (FS-III) Module-3
- 3.1.8.2 Guidelines and Evaluation norms for Part II: Core Enrichment II- Internship
- 3.1.8.3 All the above be applicable for students admitted from A.Y. 2021-2022 & onwards.

Dr. Ladva sought the approval from the august body to authorize the chairperson of Academic Council to ratify the below mentioned two co-curricular courses in the special ID-BoS, so that it can be offered to the students admitted from 2021-22 & onwards:

1. Part- III- SEC-II: Co-Curricular Courses (CoC) entitled “Quantitative Aptitude & Logical Reasoning for Government & Bank Competitive Exams” offered by Chemistry department (3.1.1.4 – BoS in Chemistry).
2. Part- III- SEC-II: Co-Curricular Courses (CoC) entitled “Preparation for Gujarat State Competitive Exams” offered by Department of Mathematics (3.1.2.4 – BoS in Mathematics).


The above was approved 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**



MNVSC- 9th AC-16.06.2022-MoM


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

