

**Shree Manibhai Virani & Smt. Navalben Virani Science College, Rajkot**  
**(Autonomous)**  
 Affiliated to Saurashtra University, Rajkot.  
**10<sup>th</sup> Meeting of Board of Studies in Mathematics**  
**Department of Mathematics**

**Program: B.Sc. Mathematics.**

**Details of Meeting:**

|   |  |
|---|--|
| <b>Mode of Meeting</b>                              | Online & Offline   |
| <b>Date</b>   | 18 <sup>th</sup> – December - 2021   |
| <b>Time</b>   | 10:30 am   |
| <b>Platform</b>                                     | Google Meet  |
| <b>Venue and Link Details with ID, Password etc</b> | <p><b>Venue:</b><br/>                     Room No.322,<br/>                     Department of Mathematics,<br/>                     Shri Manibhai Virani and Smt. Navalben Virani<br/>                     Science College (Autonomous), Rajkot.</p> <p><b>Links of the meetings:</b><br/> <a href="https://meet.google.com/kzr-iqfu-btz">https://meet.google.com/kzr-iqfu-btz</a></p> |

**BoS Members**

| <b>S. No.</b> | <b>Name</b>            | <b>Membership</b>                                   | <b>Present / Absent</b> |
|---------------|------------------------|---|-------------------------|
| 1.            | Mr. Jignasu N. Chauhan | Head of the Department, <b>Chairman</b>             | Present                 |
| 2.            | Dr. Rakhimol V. Issac  | <b>Member Secretary</b>                             | Present                 |
| 3.            | Dr. Samir K. Vaidya    | Subject Expert, VC-Nominee                          | Present                 |
| 4.            | Mrs. Jayshri Joshi     | Subject Expert, AC nominee                          | Present                 |
| 5.            | Mr. V. N. Vaghasia     | Faculty member                                      | Present                 |
| 6.            | Mr. M. L. Joshi        | Faculty member                                      | Present                 |
| 7.            | Mrs. Nisha K. Nesadia  | Faculty member                                      | Present                 |
| 8.            | Mr. Parag D. Ajani     | Faculty member                                      | Present                 |
| 9.            | Mr. Punit B. Vadher    | Faculty member                                      | Present                 |
| 10.           | Mrs. Miral P. Ambavi   | Faculty member                                      | Present                 |
| 11.           | Mr. Jayesh R. Vaghela, | Member from Industry/ Corporate Sector/ Allied Area | Present                 |
| 12.           | Dr. Jeegnesh Bosamiya, | Member Alumnus                                      | Present                 |

### Minutes of Meeting:

The Board of Studies in Mathematics met as indicated above and discussed on the aforementioned Agenda. Sharing the expertise of all the members and with very proactive inputs, the members unanimously resolved the following:

**1. Confirmation of the minutes of previous Board of Studies held on 30/06/2021.**

The chairman reported about the minutes of previous Board of Studies (held on 30/06/2021).

**2. The Scheme of Learning & Evaluation for 2<sup>nd</sup> Semester of the following programmes of the Department were discussed & framed.**

a. B.Sc. Mathematics (Enclosure–BMTI)

- **New Courses introduced in semester – II**
- **Courses /Components Removed in the Semester Course.**

| Sem       | Courses <b>components removed</b> from the previous scheme | <b>New Courses / components introduced</b> in the proposed scheme                      |
|-----------|--|--|
| <b>II</b> | <b>DSE-Allied 2:</b> Physics – II                          | <b>IDC 2:</b> Physics: Electronics, and radiation physics                              |
|           | <b>DSE-Allied Practical 2:</b> Physics Practical – II      | <b>IDC Practical 2:</b> Physics Practical: Physics: Electronics, and radiation physics |
|           | -  | <b>Core Enrichment 1:</b><br>Concept to Practice Course                                |
|           | -  | <b>FS 3:</b> Career Acceleration Program   |

- **Courses /Components Modified & changes in the names of the courses**

| Sem       | Courses / <b>components in the previous</b> scheme           | Courses / components <b>Modified</b> in the proposed scheme  |
|-----------|--|--|
| <b>II</b> | <b>Core Practical 3:</b> Practical on Differential Equations | <b>Core Practical 2:</b> Practical on Differential equations and Advanced Calculus including mathematical software |
|           | <b>Core Practical 4 :</b> Introduction to GEOGEBRA           |  |
|           | <b>AECC-I :</b> Environmental Science                        | <b>AECC II:</b> Environmental Conservation and Sustainable Development   |

|   |  |
|---|--|
| <b>SEC – I:</b><br>Value Education for<br>Consciousness Development -<br>II | <b>AECC III:</b><br>Human Values for Holistic Living |
|---|--|

**Discussions:**

- a. The BoS members appreciated the scheme of learning and evaluation for many of its good points. They were glad to observe that
  - (i) the scheme of learning and evaluation includes Choice Based Credit System (CBCS) by offering ample number of electives in it
  - (ii) it also aims to implement the NEP and
  - (iii) it includes the implementation of OBE/UGC-LOCF to a great extent.
- b. The BoS members took interest with proactive inputs on the above mentioned agenda.

The above will be effective for students admitted from **AY 2021-22** & onwards.

3. The Syllabi for the courses of the below stated programmes of the department were **discussed & framed.**
  - a. 2<sup>nd</sup> Semester for B.Sc. Mathematics (**Enclosure –BMTII**)

**Discussions:**

The members also recommended including a few new textbooks. – **Agreed and Recommended**

The detailed syllabi in the new format for adoption of OBE indicating course outcomes with K levels, pedagogical & assessment tools as appended

The above will be effective for students admitted from **AY 2021-22** & onwards

4. Syllabi for Value Added Course (VAC): Vedic Mathematics offered by Department of Mathematics were **discussed & framed. (Enclosure – BMTIII)**
5. List of Paper Setter and Examiner for theory & practical paper evaluation for the 2<sup>nd</sup> semester courses of the UG program were discussed and finalized as indicated in (**Enclosure – BMTIV**)

**Discussions:**

A senior member suggested to include names of courses taught by the examiners and paper setters. The suggestion was appreciated and accepted by other members.

6. Question paper pattern for 2<sup>nd</sup> semester theory courses of the UG program were **discussed and finalized (Enclosure – BMTV)**

**Discussions:**

A senior member suggested to reduce the options available in paper pattern.

| <b>S. No.</b> | <b>Name</b>            | <b>Membership</b>                                   | <b>Signature</b> |
|---------------|------------------------|---|------------------|
| 1.            | Mr. Jignasu N. Chauhan | Head of the Department, <b>Chairman</b>             |                  |
| 2.            | Dr. Rakhimol V. Issac  | <b>Member Secretary</b>                             |                  |
| 3.            | Dr. Samir K. Vaidya    | Subject Expert, VC-Nominee                          |                  |
| 4.            | Mrs. Jayshri Joshi     | Subject Expert, AC nominee                          |                  |
| 5.            | Mr. V. N. Vaghasia     | Faculty member                                      |                  |
| 6.            | Mr. M. L. Joshi        | Faculty member                                      |                  |
| 7.            | Mrs. Nisha K. Nesadia  | Faculty member                                      |                  |
| 8.            | Mr. Parag D. Ajani     | Faculty member                                      |                  |
| 9.            | Mr. Punit B. Vadher    | Faculty member                                      |                  |
| 10.           | Mrs. Miral P. Ambavi   | Faculty member                                      |                  |
| 11.           | Mr. Jayesh R. Vaghela, | Member from Industry/ Corporate Sector/ Allied Area |                  |
| 12.           | Dr. Jeegnesh Bosamiya, | Member Alumnus                                      |                  |