



# VIGNAN'S

FOUNDATION FOR SCIENCE, TECHNOLOGY & RESEARCH

(Deemed to be University) - Estd. u/s 3 of UGC Act 1956

## DEPARTMENT OF MATHEMATICS AND STATISTICS

Date: 27.09.2024

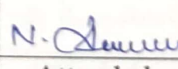
### Minutes of Board of Studies Meeting

Department of Mathematics and Statistics has conducted the Board of Studies (BoS) meeting for the B. Sc. program on 25.09.2024 at HoD Cabin, III floor, A Block from 09.00 am onwards in hybrid mode, under the chairmanship of the Head of the Department of Mathematics and Statistics along with the committee and external members with external invitees through google meet (<https://meet.google.com/ygd-fgts-xvo>).

#### Agenda of the BoS Meeting:

1. To review the R22 regulations in line with NEP2020, in view of introducing the new programme B. Sc. (Actuarial Science).
2. To discuss and finalize the course structure and detailed syllabus of courses offered for B. Sc. (Actuarial Science).
3. To discuss and finalize the detailed syllabus of electives in Mathematics, Statistics, Data Science and Actuarial Science to be offered for B. Sc. (Actuarial Science) and for B. Sc. (Mathematics, Statistics, Computer Science) as per the regulations 2022.
4. To approve the syllabus of Mathematics, Statistics, Data Science, Actuarial Science, Managerial and Humanities courses of B. Sc. (Actuarial Science), B. Sc. (Mathematics, Statistics, Computer Science) along with elective courses and recommend to the Academic counsel.
5. Review the Syllabus of Mathematics and Statistics courses of B. Tech. programmes.
6. Any other point with the permission of Chairperson.

The following members were present and the external members, invitees participated through online (google meet).

Sl. No	Name of the member	Designation and Address	Role	Signature
1	Prof. N. Seshagiri Rao	Professor and Head of the Department	Chair person	
2	Prof. P. Anantha Lakshmi Narayana	Professor of Mathematics IIT, Hyderabad Email: ananth@math.iith.ac.in Mobile No. : 9949287368	External member (Academia & Research)	Attended Online
3	Prof. P. Tirupathi Rao	Dean & Professor, Department of Statistics, Pandicherry Central University, Kalapet, Puducherry Email: drpadi@gmail.com	External member (Academia & Research)	Attended Online



		Mobile No.: 9629862241		
4	Dr. Gajula Srimannarayana,	Assistant Professor & Programme Coordinator, Department of Actuarial Science, Institute of Insurance and Risk Management (IIRM), Hyderabad, Telangana, India. Email: srimannarayana@theiirm.ac.in Contact: 9394317311	External member (Academia)	Attended Online
5	Dr. M. Venu Gopal Rao	Data Analyst Cum. Scientist, Novartis, Hyderabad. Email: venugopal@jism.email Mobile No.: 9866633975	External Invitee (Industry)	Attended Online
6	Mr. Sulthan Sherieff	Master of Science (M.Sc.) in Actuarial Science, Manager at BNP PARIBAS SECURITIES SERVICES Chennai, Tamil Nadu, India. Email: beckhamsherieff@gmail.com Contact: 9566398663	External Invitee (Industry)	Attended Online
7	Prof. P. L. N. Varma	Professor, Dept. of Math & Stat, VFSTR	Internal Member	<i>[Signature]</i>
8	Prof. V. R. K. Murthy	Professor, Dept. of Math & Stat, VFSTR	Internal Member	Attended Online
9	Dr. S. Hanumantha Rao	Associate Professor, Dept. of Math & Stat, VFSTR	Internal Member	<i>[Signature]</i>
10	Dr. S. Parthiban	Associate Professor, Dept. of Math & Stat, VFSTR	Internal Member	<i>[Signature]</i>
11	Dr. U.V. Manoj Kumar	Assistant Professor, Dept. of Math & Stat, VFSTR	Internal Member	<i>[Signature]</i>
12	Dr. K. Kalyani	Assistant Professor, Dept. of Math & Stat, VFSTR	Internal Member (Dean, R&D Nominee)	<i>[Signature]</i>
13	Dr. Kamakya Paul	Assistant Professor, Dept. of Math & Stat, VFSTR	Internal Member (School Dean, Nominee)	<i>[Signature]</i>
14	Dr. Annapoorna Kiranmayee	Assistant Professor, Dept. of English and FL, VFSTR	Invitee member	<i>[Signature]</i>
15	Dr. Durga	Assistant Professor, Department of Management	Invitee member	Attended Online
16	Dr. S. Vinoth	Assistant Professor Dept. of Math & Stat, VFSTR	Member Secretary (BoA)	<i>[Signature]</i>

Chairperson **Dr. N. Seshagiri Rao**, Professor and Head, Department of Mathematics and Statistics, VFSTR opened the meeting by welcoming and introducing the external members,



invitees to the internal members. Chairperson presented about the *NEP 2020 Compliant Regulation - R22* which emphasis on creating *learning centric* (continuous learning-continuous assessment - continuous feedback model) curriculum.

**The following points were discussed in the BoS meeting:**

1. Existing R22 regulations, LTP structure and detailed syllabus of B. Sc. (Actuarial Science) courses.
2. Detailed syllabus of electives in Mathematics, Statistics, Data Science and Actuarial Science to be offered for B. Sc. (Actuarial Science) and for B. Sc. (Mathematics, Statistics, Computer Science).
3. Scope and relevance of topics for practice based courses, teaching methodology and assessment as per R22-C24.

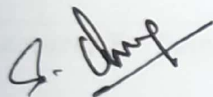
**The following resolutions made after the discussion:**

1. Modifications suggested by BoS Members were incorporated into course structure and approved Course structure of B.Sc. (Actuarial Science) is provided in Appendix-I.
2. Elective courses, along with NPTEL alternatives for B.Sc. (Actuarial Science) were discussed and approved list is provided in Appendix-I
3. Elective courses will be offered, for students of B.Sc. (Mathematics, Statistics, Computer Science), admitted in A.Y. 2022, in the streams of Data Science and Actuarial Science, during 5<sup>th</sup> and 6<sup>th</sup> semesters, under department electives. For pursuing these courses, students have to choose one stream among Data Science or Actuarial Science, as per their interest and complete all courses in the same stream. The approved list of electives, for students of B.Sc. (Mathematics, Statistics, Computer Science), admitted in A.Y. 2022, in the streams of Data Science and Actuarial Science provided in Appendix-II.
4. The courses of electives, in the streams of Mathematics and Statistics, for students of B.Sc. (Mathematics, Statistics, Computer Science), admitted in A.Y. 2022, are reviewed and suggestions given by members were incorporated. The approved list of electives, along with NPTEL alternatives for students of B.Sc. (Mathematics, Statistics, Computer Science), admitted in A.Y. 2022, in the streams of Mathematics and Statistics provided in Appendix-II.
5. The curriculum of B.Sc. (Actuarial Science) is encompassing the courses that enable employability or entrepreneurship or skill development, provided in Appendix- III.

6. The significant changes are made in the content of all courses of B.Sc. (Mathematics, Statistics, Computer Science) and hence the courses are considered as new courses provided in Appendix- IV.
7. Total average percentage of syllabus revised for B.Sc. (Mathematics, Statistics, Computer Science) was 20% compared to previous curriculum.
8. No modifications are suggested in the syllabi of Mathematics and Statistics courses of B. Tech. programmes.

Based on the feedback from various stakeholders and suggestions given by the members, the Chairperson of BoS told that, those fruitful suggestions would be incorporated appropriately in the curriculum and syllabi of the regulation R22 and this will be recommended to the Academic Council of VFSTR for the approval.

There being no further points for discussion, the Chairperson thanks all the external, internal, invited members and announced that the meeting was adjourned.



**Member Secretary**

  
**Chairperson**  
**HEAD**

**Department of Mathematics and Statistics**  
**School of Applied Sciences and Humanities**