

**MINUTES OF THE MEETING OF THE RESEARCH BOARD HELD ON
2nd MAY, 2019 IN CONFERENCE ROOM, VIDYA MANDIR, BANASTHALI
VIDYAPITH.**

MEMBERS OF THE RESEARCH BOARD:

	Prof. Aditya Shastri	Vice-Chancellor (Chairman)
2.	Prof. Anita Jain	Member
3.	Prof. B.R. Natrajan	Member
4.	Prof. C.K. Jha	Member
5.	Prof. Chandra Kumari	Member
6.	Prof. Charu Vyas	Member
7.	Prof. D. Kishore	Member
8.	Prof. Dipjyoti Chakraborty	Member
9.	Prof. Geeta Kapil	Member
10.	Prof. Hamsavahini Singh	Member
11.	Prof. Harsh Purohit	Member
12.	Prof. Ina Shastri	Member
13.	Prof. Indu Bansal	Member
14.	Prof. Indu Singh	Member
15.	Prof. Jaya Dwivedi	Member
16.	Prof. K.D. Joshi	Member
17.	Prof. Kavita Mittal	Member
18.	Prof. Kinshuk Srivastava	Member
19.	Prof. Kiran Sarna	Member
20.	Prof. Kusum Gupta	Member
21.	Prof. Manju Singh	Member
22.	Prof. Monika Jain	Member
23.	Prof. Nilima Kumari	Member
24.	Prof. Nirmala Singh	Member
25.	Prof. Pradeep Kumar Seth	Member
26.	Prof. Praveen Dhyani	Member
27.	Prof. Preeti Sharma	Member
28.	Prof. Ritu Vijay	Member
29.	Prof. Sanjay Kumar Sharma	Member
30.	Prof. Sarla Pareek	Member
31.	Prof. Sarvesh Kumar Paliwal	Member
32.	Prof. Saurabh Mukherjee	Member
33.	Prof. Seema Sharma	Member
34.	Prof. Seema Verma	Member
35.	Prof. Shailly Sharma	Member
36.	Prof. Shalini Chandra	Member
37.	Prof. Sharmila Tailor	Member
38.	Prof. Siddharth Shastri	Member
39.	Prof. Sophie Titus	Member
40.	Prof. Sudha Shastri	Member
41.	Prof. Suman Pant	Member
42.	Prof. T.P. Singh	External Member
43.	Prof. Tamil Selvi Moses	Member

44.	Prof. Vandana Chaubey	Member
45.	Prof. Vandana Goswami	Member
46.	Prof. Veena Sharma	Member
47.	Dr. Ajay Surana	Member
48.	Shri Lokesh Sharma	Member
49.	Dr. Rashmi Sharma	Member
50.	Ms. Rashmi Singh Rana	Member
51.	Dr. Santosh Meena	Member
52.	Dr. Saral Kumar Gupta	Member
53.	Dr. Veerendra Kumar Mishra	Member
54.	Dr. Murlidhar Mishra	Special Invitee
55.	Dr. Satish Chandra Shukla	Special Invitee
56.	Shri Abhishek Pareek	Special Invitee

Note: Prof. T.P. Singh (External Member), Prof. D. Kishore, Prof. Sudha Shastri, Prof. Pradeep Kumar Seth and Shri Lokesh Sharma (Internal Members) could not attend the meeting.

Before proceeding with the business of the Agenda, the Vice-Chancellor accorded a cordial welcome of all the members of the Research Board.

The Vice-Chancellor reiterated his feelings about the pro-active role of the Research Board which he continuously conveyed in the last meetings in which it was specifically mentioned that we have to see research in a much broader perspective. Research cannot be equal to Ph.D. programme only. The Board should play a pro-active role in promoting post-doctoral research, continued research by the faculty, sponsored research projects and consultancy projects. The Board should also set realistic research targets for the Vidyapith and see to it that they are achieved to the extent possible.

The following points of the agenda were discussed:

1. To confirm the minutes of meeting of the Research Board held on 11th November, 2017.

The Vice-Chancellor stated that the minutes of its last meeting were circulated earlier by the office. As reported by the office, no comments have been received from the members. If the members want to offer any comments, they can offer now. As there were no comments, it may be presumed that the minutes have been recorded correct.

Resolved that the minutes of its last meeting be confirmed.

2. To consider the application regarding the course work of 6 months or so on where each student has to undergo 8-16 credit course work.

Resolved that the Vice-Chancellor expressed that Prof. Sarvesh Paliwal and Dr. Murlidhar Mishra will prepare a note on it and produce in the next meeting.

3. To consider Regulations, 2018 of the University Grants Commission regarding Promotion of Academic Integrity and Prevention of Plagiarism in Higher Education Institutions.

The Vice-Chancellor apprised that in order to maintain the quality in research work we have to adopt strict policy of keeping the plagiarism of the thesis and the synopsis up to 20%. RAC can also check and certify the plagiarism of thesis and synopsis. However, a Committee may be constituted by the Vidyapith to look after the cases of malpractices involving plagiarism of thesis/synopsis.

Resolved that a strict policy of keeping plagiarism up to 20% be adopted.

4. To consider the Public Notice from Prof. Jaspal Singh Sandhu, Secretary, University Grants Commission regarding clarification about ‘Regular Mode’ with reference to Ph.D. Degree.

The Board noted that the point was discussed in the previous meeting in which it was made clear that Ph.D. programme runs in the Vidyapith is a regular and full time programme.

The Board re-iterated its earlier decision and resolved that Ph.D. programme runs in the Vidyapith is a regular and full time programme.

5. To consider the request of the Internal persons to recognize them as Research Guides of the Vidyapith keeping in view the bye-laws given hereunder :

“C.1. (2) The following persons may be considered eligible to act as research supervisors of the Vidyapith:

- (a) Professors/Associate Professors of the Vidyapith*
- (b) All teachers in the Vidyapith possessing a Doctoral degree with at least five years’ experience of post-doctoral research work or at least five years post-graduate teaching /industrial work experience.*
- (c) Teachers with at least fifteen years’ teaching experience (not below degree classes) and independent research publications equivalent to Ph.D. work.*
- (d) External members of the Executive Council/Academic Council/ Research Board.*

The Board considered the requests of the following internal persons to recognize them as Research Guides of the Vidyapith:

1. Dr. Kailash Chand Sharma, Assistant Professor, Department of Automation, Banasthali Vidyapith
2. Dr. Bharat Bhushan Sharma, Assistant Professor, Department of Automation, Banasthali Vidyapith
3. Dr. Nibedita Das, Assistant Professor, Department of Automation, Banasthali Vidyapith

4. Dr. Arun Kumar Sharma, Assistant Professor, Department of Bioscience & Biotechnology, Banasthali Vidyapith
5. Dr. Pracheta, Assistant Professor, Department of Bioscience & Biotechnology, Banasthali Vidyapith
6. Dr. Surabhi Bajpai, Assistant Professor, Department of Bioscience & Biotechnology, Banasthali Vidyapith
7. Dr. Swati Paliwal, Assistant Professor, Department of Bioscience & Biotechnology, Banasthali Vidyapith
8. Dr. Surya Pratap Singh, Assistant Professor, Department of Bioscience & Biotechnology, Banasthali Vidyapith
9. Dr. Laxmi Parwani, Assistant Professor, Department of Bioscience & Biotechnology, Banasthali Vidyapith
10. Dr. Aneesh Goyal, Assistant Professor, Department of Bioscience & Biotechnology, Banasthali Vidyapith
11. Dr. Manoj Kumar, Assistant Professor, Department of Bioscience & Biotechnology, Banasthali Vidyapith
12. Dr. Gaurav Kumar, Assistant Professor, Department of Chemical Engineering, Banasthali Vidyapith
13. Dr. Navjeet Kaur, Assistant Professor, Department of Chemistry, Banasthali Vidyapith
14. Dr. Vivek Sharma, Assistant Professor, Department of Chemistry, Banasthali Vidyapith
15. Dr. Deepak Kumar, Assistant Professor, Department of Computer Science, Banasthali Vidyapith
16. Dr. Rajiv Singh, Assistant Professor, Department of Computer Science, Banasthali Vidyapith
17. Dr. Ajay Kumar Yadav, Assistant Professor, Department of Computer Science, Banasthali Vidyapith
18. Dr. Yogesh Kumar Gupta, Assistant Professor, Department of Computer Science, Banasthali Vidyapith
19. Dr. Aditi Paul, Assistant Professor, Department of Computer Science, Banasthali Vidyapith
20. Dr. Kuldeep Kumar Yogi, Assistant Professor, Department of Computer Science, Banasthali Vidyapith
21. Dr. Abhay Kumar Rai, Assistant Professor, Department of Computer Science, Banasthali Vidyapith
22. Dr. Khandakar Faridar Rahman, Assistant Professor, Department of Computer Science, Banasthali Vidyapith
23. Dr. Mainaz Faridi, Assistant Professor, Department of Computer Science, Banasthali Vidyapith
24. Dr. Santosh Singh, TGT Computer Science, Department of Computer Science, Banasthali Vidyapith

25. Dr. K. Madhavi, Assistant Professor, Dance, Department of Performing Arts, Banasthali Vidyapith
26. Dr. Neeraj Rawat Sharma, Assistant Professor, Department of Design, Banasthali Vidyapith
27. Dr. Pinak Paninath, Assistant Professor, Department of Visual Art, Banasthali Vidyapith
28. Dr. Megha Attray Purohit, Assistant Professor, Department of Visual Art, Banasthali Vidyapith
29. Dr. Qamar Alam, Assistant Professor, Department of Economics, Banasthali Vidyapith
30. Dr. Mallika Shekhar, Assistant Professor, Department of Education, Banasthali Vidyapith
31. Dr. Pravendra Tyagi, Assistant Professor, Electronics, Department of Physical Sciences, Banasthali Vidyapith
32. Dr. Vartika Kulshrestha, Assistant Professor, Electronics, Department of Physical Sciences, Banasthali Vidyapith
33. Dr. Anju Patel, Assistant Professor, Environmental Science, Department of Earth Sciences, Banasthali Vidyapith
34. Dr. Ashutosh Kumar Pandey, Assistant Professor, Environmental Science, Department of Earth Sciences, Banasthali Vidyapith
35. Dr. Swarna, Assistant Professor, Department of Hindi, Banasthali Vidyapith
36. Dr. Ashish Pandey, Assistant Professor, Department of Hindi, Banasthali Vidyapith
37. Dr. Asha Sharma, Deputy Librarian, Library & Information Science, Banasthali Vidyapith
38. Dr. Jitendra Singh Rathore, Assistant Professor, Department of Commerce & Management, Banasthali Vidyapith
39. Dr. Prabhat Kumar Singh Kushwah, Assistant Professor, Department of Commerce & Management, Banasthali Vidyapith
40. Dr. Khyati Kochhar, Assistant Professor, Department of Commerce & Management, Banasthali Vidyapith
41. Dr. Richa Chauhan, Assistant Professor, Department of Commerce & Management, Banasthali Vidyapith
42. Dr. Neerja Dixit, Assistant Professor, Department of Commerce & Management, Banasthali Vidyapith
43. Dr. Shaheema Hameed, Assistant Professor, Department of Commerce & Management, Banasthali Vidyapith
44. Dr. Ankur Joshi, Assistant Professor, Department of Commerce & Management, Banasthali Vidyapith
45. Dr. Abhinav Nigam, Assistant Professor, Department of Commerce & Management, Banasthali Vidyapith

46. Dr. Manoj Kumar Singh, Assistant Professor, Department of Mathematics & Statistics, Banasthali Vidyapith
47. Dr. Abhishek Singh, Assistant Professor, Department of Mathematics & Statistics, Banasthali Vidyapith
48. Dr. Preeti Jain, Assistant Professor, Department of Mathematics & Statistics, Banasthali Vidyapith
49. Dr. Sunita Sharma, **Teacher**, Music, Department of Performing Arts, Banasthali Vidyapith
50. Dr. Vandana Sharma, Assistant Professor, Department of Performing Arts, Banasthali Vidyapith
51. Dr. Neha Joshi, Assistant Professor, Department of Performing Arts, Banasthali Vidyapith
52. Dr. Aishwarya Bhatt, Assistant Professor, Department of Performing Arts, Banasthali Vidyapith
53. Dr. Ankit Bhatt, Assistant Professor, Department of Performing Arts, Banasthali Vidyapith
54. Dr. Sharda Sambhakar, Assistant Professor, Department of Pharmacy, Banasthali Vidyapith
55. Dr. Bhawana Sati, Assistant Professor, Department of Pharmacy, Banasthali Vidyapith
56. Dr. Pankaj Kumar Jain, Assistant Professor, Department of Pharmacy, Banasthali Vidyapith
57. Dr. Supratim Mitra, Assistant Professor, Physics, Department of Physical Sciences, Banasthali Vidyapith
58. Dr. Manish Kumar Srivastava, Assistant Professor, Physics, Department of Physical Sciences, Banasthali Vidyapith
59. Dr. Banwari Lal Choudhary, Assistant Professor, Physics, Department of Physical Sciences, Banasthali Vidyapith
60. Dr. Ratna Dixit Sharma, Assistant Professor, Department of Psychology, Banasthali Vidyapith
61. Dr. Arun Kumar, Assistant Professor, Department of Psychology, Banasthali Vidyapith
62. Dr. Kartar Singh, Assistant Professor, Remote Sensing, Department of Earth Sciences, Banasthali Vidyapith
63. Dr. Bheshraj Sharma, Assistant Professor, Department of Sanskrit, Philosophy and Vedic Studies, Banasthali Vidyapith
64. Dr. Gargi Tyagi, Assistant Professor, Statistics, Department of Mathematics & Statistics, Banasthali Vidyapith

Resolved that taking into consideration the bye-laws the following persons be recognized as research guides of the Vidyapith:

1. Dr. Kailash Chand Sharma, Assistant Professor, Department of Automation, Banasthali Vidyapith

2. Dr. Bharat Bhushan Sharma, Assistant Professor, Department of Automation, Banasthali Vidyapith
3. Dr. Arun Kumar Sharma, Assistant Professor, Department of Bioscience & Biotechnology, Banasthali Vidyapith
4. Dr. Pracheta, Assistant Professor, Department of Bioscience & Biotechnology, Banasthali Vidyapith
5. Dr. Surabhi Bajpai, Assistant Professor, Department of Bioscience & Biotechnology, Banasthali Vidyapith
6. Dr. Swati Paliwal, Assistant Professor, Department of Bioscience & Biotechnology, Banasthali Vidyapith
7. Dr. Surya Pratap Singh, Assistant Professor, Department of Bioscience & Biotechnology, Banasthali Vidyapith
8. Dr. Laxmi Parwani, Assistant Professor, Department of Bioscience & Biotechnology, Banasthali Vidyapith
9. Dr. Aneesh Goyal, Assistant Professor, Department of Bioscience & Biotechnology, Banasthali Vidyapith
10. Dr. Gaurav Kumar, Assistant Professor, Department of Chemical Engineering, Banasthali Vidyapith
11. Dr. Navjeet Kaur, Assistant Professor, Department of Chemistry, Banasthali Vidyapith
12. Dr. Vivek Sharma, Assistant Professor, Department of Chemistry, Banasthali Vidyapith
13. Dr. Deepak Kumar, Assistant Professor, Department of Computer Science, Banasthali Vidyapith
14. Dr. Rajiv Singh, Assistant Professor, Department of Computer Science, Banasthali Vidyapith
15. Dr. Ajay Kumar Yadav, Assistant Professor, Department of Computer Science, Banasthali Vidyapith
16. Dr. Yogesh Kumar Gupta, Assistant Professor, Department of Computer Science, Banasthali Vidyapith
17. Dr. Aditi Paul, Assistant Professor, Department of Computer Science, Banasthali Vidyapith
18. Dr. Kuldeep Kumar Yogi, Assistant Professor, Department of Computer Science, Banasthali Vidyapith
19. Dr. Abhay Kumar Rai, Assistant Professor, Department of Computer Science, Banasthali Vidyapith
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21. Dr. Mainaz Faridi, Assistant Professor, Department of Computer Science, Banasthali Vidyapith
22. Dr. K. Madhavi, Assistant Professor, Dance, Department of Performing Arts, Banasthali Vidyapith

23. Dr. Neeraj Rawat Sharma, Assistant Professor, Department of Design, Banasthali Vidyapith
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39. Dr. Shaheema Hameed, Assistant Professor, Department of Commerce & Management, Banasthali Vidyapith
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42. Dr. Manoj Kumar Singh, Assistant Professor, Department of Mathematics & Statistics, Banasthali Vidyapith
43. Dr. Abhishek Singh, Assistant Professor, Department of Mathematics & Statistics, Banasthali Vidyapith
44. Dr. Preeti Jain, Assistant Professor, Department of Mathematics & Statistics, Banasthali Vidyapith

45. Dr. Vandana Sharma, Assistant Professor, Department of Performing Arts, Banasthali Vidyapith
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47. Dr. Aishwarya Bhatt, Assistant Professor, Department of Performing Arts, Banasthali Vidyapith
48. Dr. Ankit Bhatt, Assistant Professor, Department of Performing Arts, Banasthali Vidyapith
49. Dr. Sharda Sambhakar, Assistant Professor, Department of Pharmacy, Banasthali Vidyapith
50. Dr. Bhawana Sati, Assistant Professor, Department of Pharmacy, Banasthali Vidyapith
51. Dr. Pankaj Kumar Jain, Assistant Professor, Department of Pharmacy, Banasthali Vidyapith
52. Dr. Supratim Mitra, Assistant Professor, Physics, Department of Physical Sciences, Banasthali Vidyapith
53. Dr. Manish Kumar Srivastava, Assistant Professor, Physics, Department of Physical Sciences, Banasthali Vidyapith
54. Dr. Banwari Lal Choudhary, Assistant Professor, Physics, Department of Physical Sciences, Banasthali Vidyapith
55. Dr. Ratna Dixit Sharma, Assistant Professor, Department of Psychology, Banasthali Vidyapith
56. Dr. Arun Kumar, Assistant Professor, Department of Psychology, Banasthali Vidyapith
57. Dr. Kartar Singh, Assistant Professor, Remote Sensing, Department of Earth Sciences, Banasthali Vidyapith
58. Dr. Gargi Tyagi, Assistant Professor, Statistics, Department of Mathematics & Statistics, Banasthali Vidyapith

*The Board further resolved that the following persons **be asked to strengthen their research credentials** before a fresh decision is taken on their requests:*

1. Dr. Manoj Kumar, Assistant Professor, Department of Bioscience & Biotechnology, Banasthali Vidyapith
2. Dr. Santosh Singh, TGT Computer Science, Department of Computer Science, Banasthali Vidyapith
3. Dr. Sunita Sharma, **Teacher**, Music, Department of Performing Arts Banasthali Vidyapith
4. Dr. Bheshraj Sharma, Assistant Professor, Department of Sanskrit, Philosophy and Vedic Studies, Banasthali Vidyapith

As the following persons have left the Vidyapith, their candidatures have not been considered by the Board.

1. Dr. Nibedita Das, Assistant Professor, Department of Automation, Banasthali Vidyapith
2. Dr. Prabhat Kumar Singh Kushwah, Assistant Professor, Department of Commerce & Management, Banasthali Vidyapith

6. To co-opt members of the Research Board as per bye-law 9.4.01. (vi) given hereunder:

9.4.01:

- (vi) Not more than five faculty members other than Professors/Heads of Departments having experience of less than five years in the Vidyapith to be co-opted by the Research Board.

The point was discussed at length. Members were of the opinion that keeping in view involvement of all the teachers of the Vidyapith in research it is feasible to allow them to act as members of the Research Board. Our existing bye-laws allow them to do so. After detailed discussion the names of the following persons were recommended to co-opt them as members of the Research Board :

- (i) Dr. Rajiv Singh, Computer Science
- (ii) Dr. Supratim Mitra, Physics
- (iii) Dr. Meghadeepa Chakraborty, Management Studies
- (iv) Dr. Ashish Pandey, Hindi

Resolved that the above mentioned members be co-opted as members of Research Board for a term of three years.

7. The orders passed by the Vice-Chancellor to the effect that the Research Scholars (Annexure-1) be registered to carry on research work were reported to the Board.

Resolved that the orders passed by the Vice-Chancellor be noted.

8. The orders passed by the Vice-Chancellor approving the theses of the Research scholars (Annexure-2) on the subject noted against each for award of the Ph.D. Degree of the Vidyapith on the unanimous recommendations made by all the examiners including those who conducted the Viva-Voce Examination were reported to the Board. Ph.D. Degree have been awarded to these candidates at the Convocation held on 5th October, 2018.

Resolved that the orders passed by the Vice-Chancellor be noted.

9. **To consider the list of Research Scholars who have not submitted their (i) theses within eight years; and (ii) synopses within five years from the date of admission. (Annexure-3)**

The Vice-Chancellor reiterated that in such matters can we cancel their registrations. However, after a detailed discussion on the point the members were of the opinion that these candidates be encouraged to carry out their research work and asked them to complete their re-registration formalities.

Resolved that the candidates be encouraged to carry out their research work after completion of the re-registration formalities.

10. **To review the report received from Prof. Vimla Dunkwal, Bikaner on the thesis submitted by one of the research scholar suggesting page limit of the thesis.**

The members of the Board were of the opinion that the Ph.D. thesis of more than 500 pages is somewhat unnecessary. However, in comprehensive university like Banasthali where there are so many disciplines, it is difficult to put a limit of pages. Prof. B.R. Natrajan volunteered to study policies of leading universities such as Cambridge University and propose a policy note on the numbers of pages required for thesis for consideration of the Research Board of its next meeting.

Resolved that the matter be discussed in the next meeting of the Research Board.

11. **To consider the application of Ms. Meenu Devi, Research Scholar, Pharmaceutical Chemistry, Banasthali Vidyapith requesting to change her subject from 'Pharmaceutical Chemistry' to 'Chemistry'.**

In the light of the allied nature of both the subjects (Chemistry and Pharmaceutical Chemistry), the request of Ms. Meenu Devi may be considered and she may be allowed to complete her research work in the subject of Chemistry. The Vice-Chancellor pointed out that if a research scholar wish to pursue research in the allied area of subject, she may be allowed to do so in respective department with the prior approval of Head of the Department of the department concerned.

Resolved that there should be specifically mentioned in the admission form that in which subject the candidate has obtained his/her Master's Degree and in which subject Ph.D. Degree will be awarded. If a candidate wants to pursue his/her research work in the allied area of the subject he/she may be allowed to do so in the respective department with the prior approval of the Head of the Department concerned. Furthermore, it should be clearly mentioned in the admission form that in which subject/allied discipline Ph.D. Degree will be awarded.

12. To consider the policy regarding sharing of Examiner's Reports.

The members of the Board were of the opinion that the changes/suggestions made by the examiners can be shared with the candidate so that he/she can incorporate the suggestions but sharing of the complete report is not feasible.

Resolved that the complete report of the examiners may not be shared with the candidate. However, changes/suggestions made by examiners may be shared with the candidate prior to the viva-voce examination.

13. To consider the application of Ms. Isha Smita requesting to issue certificate required under UGC Regulations, 2009 for M.Phil. programme.

Resolved that the consideration of the matter be postponed.

14. To review the process of bridge course in Ph.D. programme for those students who cleared four year degree programme and admitted in Ph.D. Programme.

The board discussed the matter related to introduction of bridge courses for the students who have completed four year degree programme such as B.Tech./BE etc for their enrolment in Ph.D. programme

The members were of the opinion that offering such a facility of 'Bridge Course' will be benefitted for the students who have obtained four year professional degree and wish to enroll in Ph.D. programme. Such candidates can be admitted provisionally for the Ph.D. programme subject to the condition that they will clear the papers required for the 'Bridge Course'.

Resolved that the candidates obtained professional four year degree may be allowed to enroll directly in Ph.D. Programme subject to condition they should clear all the papers required for Bridge Course. The board **further resolved that** admission to the Ph.D. Programme will be provisional until student clears the Bridge Course.

15. Arising out of the discussions in the meeting of the Research Board it was pointed out that the Vidyapith provides 'Provisional Certificate' to the research candidates after successfully completion of the Viva-voce Examination and approval on all the reports received from the examiners including those conducted the viva-voce examination. As per existing policy, the date of approval of the Vice-chancellor is shown on the provisional certificate, but the date on the degree awarded to the candidate is shown the date of the convocation. It was reported to the members that the some of the Universities issued the notification notifying the approval of the research work of the candidates after approval of the Vice-chancellor. Sample copy of the notification is enclosed. (Annexure-4)

The members were of the opinion that the Vidyapith may consider to follow the same policy prevailing in other Universities and display such type of notification on the

website of the Vidyapith after approval of the research work of the candidate by the Vice-chancellor. The date on the Ph.D. Degree be given the date of the approval of the Vice-chancellor in place of the date of the convocation. However, the practice to award Ph.D. Degree to the candidates in the convocation be continued.

Resolved that the proposal discussed in the meeting be accepted.

16. The Board considered to revise the rates of remuneration prescribed for (i) Evaluation of Synopsis by External Expert; (ii) Evaluation of Thesis by External Expert/Research Supervisor (iii) to conduct viva-voce examination (iv) Evaluation of Synopsis by Foreign Expert; (v) Evaluation of Thesis by Foreign Expert (vi) to conduct viva-voce examination by Foreign Expert of the Research Scholars.

It was reported to the Board that the existing rates of remuneration as per the office order dated 30.07.2012 is given in **Annexure-5**. The current rates of remuneration & the proposed rates of remuneration are given hereunder:

Evaluation of Synopsis by External Expert		Evaluation of Thesis by External Expert/ Research Supervisor		For conducting Viva-voce Exam.		Evaluation of Synopsis by Foreign Expert		Evaluation of Thesis by Foreign Expert		For conducting Viva-voce Exam. by Foreign Expert	
Existing	Proposed	Existing	Proposed	Existing	Proposed	Existing	Proposed	Existing	Proposed	Existing	Proposed
Rs. 1500/-	Rs. 2000/-	Rs. 3000/-	Rs. 4000/-	Rs. 1000/-	Rs. 2000/-	-	\$50	-	\$100	-	\$50

Resolved that the proposed rates of remuneration for (i) Evaluation of Synopsis by External Expert; (ii) Evaluation of Thesis by External Expert/Research Supervisor (iii) to conduct viva-voce examination (iv) Evaluation of Synopsis by Foreign Expert; (v) Evaluation of Thesis by Foreign Expert (vi) to conduct viva-voce examination by Foreign Expert of the Research Scholars be accepted.

17. To re-consider the colour scheme allotted to various faculties for thesis submission.

The Board considered the proposal prescribing colour identification for the Ph.D. theses submitted by the Research Scholars in different Faculties of the Vidyapith.

The Vice-Chancellor apprised the members that some universities had adopted colour identification for the Ph.D theses as a practice. Similarly, colours are also indicating different faculty itself. In the Vidyapith there are several faculties, in future we can also start the same practice. It was suggested that the cover page of the thesis should have a specific colour which identify to that particular faculty.

The proposed colour codes were presented before member and discussed.

Resolved that the colour codes be adopted and implemented from the next academic session. The proposed colour codes were presented before members and discussed.

18. The Board review the syllabi of course work and proposed a new paper “**Statistical Techniques & Applications for Research**” given in **Annexure-6**.

<i>S.No.</i>	<i>Existing Papers</i>	<i>S.No.</i>	<i>Proposed Papers</i>
1.	IT Based Research Techniques	1.	IT Based Research Techniques
2.	Research Methodology	2.	Research Methodology
3.	Review of Literature	3.	Review of Literature
		4.	Statistical Techniques & Applications for Research

Resolved that out of four papers students can opt any three papers in course work.

Meeting was ended with a vote of thanks to the chair.

Annexure-6

Statistical Techniques & Applications for Research

Section A

Concept of variable, attribute. Statistical population and sample, Sample survey versus census survey. Treatment of data-collection of primary and secondary data, Representation of data (tabular, diagrammatic and graphical methods), Measure of central tendency, dispersion, shape & peakedness of distribution.

Section B

Curve fitting through Principle of least squares: Fitting of straight line, parabola, exponential and power curves, Growth curve. Bi-variate distribution-correlation and regression. Fitting-Binomial, Poisson and normal distributions with their applications.

Odds ratio, logistic regression, Reliability and validity of attributes, Factor Analysis.

Section C

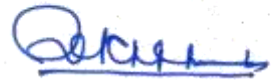
Testing of hypothesis - Meaning and need, one tail and two tail tests, large and small sample tests, tests of significance of mean, variance, proportion and correlation coefficient,

Chi-square test of independence of attributes,

ANOVA : One way and two way (one observation per cell),

Design of experiment - layout and analysis of completely randomized design (CRD) and randomized block design (RBD).

Verified



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