



Estd. : July 1979

I/C Principal
Dr. Shubhada Nayak

NAAC GRADE 'A+'
CGPA 3.53
(SINCE 2017)

DBT-STAR STATUS
GOVERNMENT OF INDIA
(SINCE 2019)

MHRD - RUSA GRANT
GOVERNMENT OF INDIA
(SINCE 2019)

DST-FIST SCHEME
GOVERNMENT OF INDIA
(SINCE 2013)

BEST COLLEGE AWARD
UNIVERSITY OF MUMBAI
(2013-14)

ISO 9001:2015
INTERNATIONAL
ACCREDITATION FORUM
(SINCE 2017)

Rayat Shikshan Sanstha's

KARMAVEER BHAURAO PATIL COLLEGE, VASHI

(AUTONOMOUS COLLEGE)

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FOUNDER : Padmabhushan Dr. Karmaveer Bhaurao Patil, D. Litt.

Ref. No.: 148 / 2021 -22-

Date : 14/05/2022

To,

Prof. Vaishali Bambole
Dept. of Physics
University of Mumbai

Subject: Invitation to Academic Council Meet

Dear Sir,

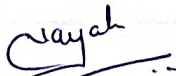
We are pleased to invite you to **online meeting** of the Academic Council that has been organized on **19th May 2021 at 11 a.m.** We will be using the Google Meet Platform for this purpose and the invitation link to join the meeting will be sent to you soon.

The agenda of the meeting is attached herewith.

Your experience, expertise and proficiency will be of great value in scrutinizing and approving the curricula of various courses, which should actuate achieving excellence in Higher Education, in general. We shall be highly obliged if you kindly accept our invitation to this meeting.

Thanking you and with kind regards,

Sincerely yours


Dr. Shubhada Nayak

I/C PRINCIPAL
KARMAVEER BHAURAO PATIL COLLEGE
VASHI, NAVI MUMBAI-400 703.





वशि, नावि मुंबई - ४०० ७०९
/KARMAVEER BHURAOPATIL COLLEGE
वशि, नावि मुंबई

Rayat Shikshan Sanstha's
Karmaveer Bhaurao Patil College, Vashi
[Autonomous]
2020-2021

Notice of Academic Council Meeting

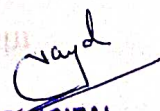
17.05.2021

All Heads of the departments are hereby informed that online Academic Council Meeting is scheduled on 19th May 2021 at 11.00 am on Google meet platform. Link for the same will be informed you soon. Your presence for the meeting will be appreciated. All are requested to read the changed syllabus/syllabi only in a meeting. The sequence of the same is given in a table.

The agenda of the meeting is as follows:

- Welcome.
- Significant matters since last Academic Council meeting.
- Reading of minutes of the meeting conducted on 19th December 2020.
- Reading of action taken report with respect to meeting conducted on 19th December 2020.
- Scrutiny and approval of curricula of M.Sc. in Data Science.
- Approval of Unit-wise Course Outcomes [Accountancy].
- Approval of skill- based courses to be conducted in next academic year 2021-2022.
- Discussion on implementation of CBCS [Choice Based Credit System] pattern from academic year 2021-2022.
- Any other business.




PRINCIPAL
KARMAVEER BHURAOPATIL COLLEGE
VASHI, NAVI MUMBAI - 400 709



Rayat Shikshan Sanstha's

KARMAVEER BHAURAO PATIL COLLEGE VASHI

[Autonomous College]

MEETING OF ACADEMIC COUNCIL

Date: 19th May 2021 [Wednesday], Time: 11 am to 1.00 pm [Online]

Meeting Chair: Dr. Shubhada S. Nayak [I/C Principal]

AGENDA

1. Welcome
2. Significant matters since last academic council
3. Reading of minutes of the meeting held on 19th December 2020
4. Reading of action taken report w.r.t. the minutes of the meeting conducted on 19th December 2020
5. Scrutiny and approval of curricula of M.Sc. in Data Science
6. Approval of Unit wise course outcomes of curriculum in Accountancy
7. Approval of skill based courses to be conducted in next academic year 2021-2022
8. Discussion on implementation of CBCS [Choice Based Credit System] pattern from the next academic year 2021-2022
9. Any other business with the permission of the chair



RayatShikshan Sanstha's

KarmaveerBhaurao Patil College, Vashi, Navi Mumbai

ACADEMIC COUNCIL MEETING

19thMay 2021 at 11.00 am [Online]

Attendance Sheet

Sr. No.	Name of faculty	Designation	Signature
1.	Dr.Shubhada Nayak	Chairman	
2.	Prof. Padma Devrajan	V.C. Nominee	
3.	Prof. Vaishali Bambole	V.C. Nominee	
4.	Prof. ManjiriKamat	V.C. Nominee	
5.	Prof. Ashwin Patwardhan	Invited member	
7.	Prof. Rita Mukhopadhyaya	Invited member	
8.	Dr. Sangeeta Srivastava	Invited member	
9.	Mr. Bhosale C.D	Member	
10.	Dr. Keshav Shinde	Member	
11.	Dr. B. M. Munde	Member	
12.	Dr. R. D. Mohite	Member	
13.	Dr. V. B. Pujari	Member	
14.	Dr. P.J. Hajare	Member	
15.	Mr. B. P. Pawar	Member	
16.	Ms. Divya Pillai	Member	



17.	Dr. V. S. Bhoir	Member	
18.	Ms. Manmindar Riyat	Member	
19.	Ms. Sneha More	Member	
20.	Ms. Archana Salunkhe	Member	
21.	Ms. Geetanjali Gone	Member	
22.	Mr. Pankaj Dandage	Member	
23.	Dr. Manisha Abhyankar	Member	
24.	Dr. Gajanan Dhanorkar	Member	
25.	Ms. Anita More	Member	
26.	Ms. Bankar Madhuri	Member	
27.	Ms. Pranita Bhale	Member	
28.	Dr. Rajeshri Ghorpade	Member Secretary	



Rayat Shikshan Sanstha's
Karmaveer Bhaurao Patil College, Vashi, Navi Mumbai
Minutes of Meeting

19.05.2021

The second Academic Council meeting for the academic year 2020-21 was held online on 19th May 2021 at 11.00 am under the Chairmanship of I/C Prin. Dr. Shubhada Nayak.

Following members were present for the meeting.

Sr. No.	Name of faculty	Department	Designation
1.	Dr. Shubhada Nayak	I/C Principal	Chairman
2.	Prof. Padma Devrajan	Pharmaceutical Science and Technology Division, ICT, Mumbai	V.C. Nominee
3.	Prof. Vaishali Bambole	Dept. of Physics, University of Mumbai	V.C. Nominee
4.	Prof. Manjiri Kamat	Dept. of History, Associate Dean Faculty of Humanities, University of Mumbai	V.C. Nominee
5.	Prof. Ashwin Patwardhan	Head, Chemical Engineering, ICT, Mumbai	Invited member
7.	Prof. Rita Mukhopadhyaya	Former Scientific Officer, BARC	Invited member
8.	Dr. Sangeeta Srivastava	Executive Director, Godavari Refineries Ltd.	Invited member
9.	Mr. Bhosale C.D	Vice Principal, IQAC Coordinator (HOD Commerce)	Member
10.	Dr. Keshav Shinde	HOD Microbiology	Member
11.	Dr. B. M. Munde	HOD Economics	Member



12.	Dr. R. D. Mohite	HOD Chemistry	Member
13.	Dr. V. B. Pujari	HOD Physics	Member
14.	Dr. P.J. Hajare	HOD Geography	Member
15.	Mr. B. P. Pawar	HOD English	Member
16.	Ms. Divya Pillai	HOD Psychology	Member
17.	Dr. V. S. Bhoir	HOD Accountancy	Member
18.	Ms. Manmindar Riyat	HOD Biotechnology	Member
19.	Ms. Sneha More	HOD BMS	Member
20.	Ms. Archana Salunkhe	HOD of BBI	Member
21.	Ms. Geetanjali Gone	HOD Bioanalytical Science	Member
22.	Mr. Pankaj Dandage	HOD BAF	Member
23.	Dr. Manisha Abhyankar	HOD Computer Science	Member
24.	Dr. Gajanan Dhanorkar	HOD Math	Member
25.	Ms. Anita More	HOD Food technology	Member
26.	Ms. Bankar Madhuri	HOD Information Technology	Member
27.	Ms. Pranita Bhale	HOD Foundation Course	Member
28.	Dr. RajeshriGhorpade	Vice Principal	Member Secretary

The meeting was started with the welcome of all the members by Dr. RajeshriGhorpade, Member Secretary which was followed by the discussion of point wise agenda.



Business:

Motion 1 [From Dr. Rajeshri Ghorpade]: To approve the agenda for 19th May 2021.

Discussion: Dr. Rajeshri Ghorpade presented the agenda of the meeting.

Vote: All in favor.

Resolved: **Motion carried.**

Agenda for the meeting on 19th May 2021 approved without modification

Motion 2 [From Dr. Rajeshri Ghorpade]: **Significant matters since last Academic Council**

Discussion: Dr. Rajeshri Ghorpade presented significant matters since last Academic council meeting. She focused on webinars, conferences, workshops, and training programs for students & teachers organized by various departments which were financially supported by *Rashtriya Uchchatar Shiksha Abhiyan (RUSA)*.

Vote: All in favor.

Resolved: **Motion carried**

Motion 3 [From Dr. Rajeshri Ghorpade]: **Reading of minutes of the meeting conducted on 19th December 2020**

Discussion: Minutes of the meeting conducted on 19th December 2020 were stated by Dr. Rajeshri Ghorpade

Vote: All in favor.

Resolved: **Motion carried.**

Motion 4 [From Dr. Rajeshri Ghorpade]: **Reading of action taken report with respect to meeting conducted on 19th December 2020**

Discussion: The action taken report of the previous meeting was read by Dr. Rajeshri Ghorpade

Vote: All in favor.

Resolved: **Motion carried.**

Motion 5 [from Dr. Rajeshri Ghorpade]: **Scrutiny and approval of curriculum of M.Sc. in Data Science and other Curricula of Core Courses**



Discussion: Scrutiny and approval of curricula of M.Sc. in Data Science and other Curricula of Core Courses were presented by respective Heads of Departments and discussion was as below:

1. M.Sc. in Data Science: On behalf of Department of Computer Science and Mathematics, Ms. Dipti Kulkarni and Mr. Nilesh Nalawade presented the curricula of M.Sc. in Data Science for first year. They collaboratively elaborated on various papers mainly Descriptive Statistics and Probability [PGDS101], Applied Linear Algebra and Matrix Analysis [PGDS102], Data structures [PGDS103], Database Management System [PGDS104] and practical viz. PGDSP101 & PGDSP102 plus Statistical Inference [PGDS201], Mathematical Foundation [PGDS202], Machine learning [PGDS203], Analysis of Algorithms [PGDS204] and practical viz. PGDSP201 & PGDSP202. The proposed syllabus was approved unanimously by all the members of the meeting.
2. M.A. in English: Dr. Shakil Shaikh presented the curricula for first year of post graduate course in English. He presented curricula of different papers viz. Literary Theory and Criticism [PGENG 101], Linguistic and Stylistic Analysis of Texts [PGENG 102], Fiction from 1900 onwards [PGENG 103], Nineteenth Century American Literature [PGENG 104], Literary Theory and Criticism [PGENG 201], Linguistic and Stylistic Analysis of Texts [PGENG 202], Pre 20th Century Fiction [PGENG 203] and Nineteenth Century American Literature [PGENG 204]. The proposed syllabus was approved without alteration.
3. Microbiology: Dr. Rajeshri Ghorpade presented the modified syllabus for UGMB101 [Fundamentals of Microbiology], UGMB302 [Common Infectious diseases, Epidemiology & Public Health awareness], UGMB502 [Medical Microbiology & Immunology] and PGMB402 [Industrial Microbiology] The new addition of examples to each of the above mentioned curriculum was done with respect to current Pandemic situation of COVID19. Each of the changed syllabi was approved without modification.
4. Mathematics: Mr. Nilesh Nalawade presented the changed curricula for Complex Analysis [PGMT103], Partial Differential Equations [PGMT403]. Each of the changed syllabi was approved without modification.
5. B.A.F.: Head of the department Mr. Pankaj Dandage presented the modified curricula of Auditing (Introduction & Planning) [UGBAF202] and Innovative Financial Services [UGBAF203]. The changed syllabi were approved without any modification.



6. Accountancy: Head of the department Dr. Vivek Bhoir presented the modified curricula of Financial Management [PGCOM403]. The changed syllabus was approved without any suggestions. Economics: Head of the department Dr. B.M. Munde presented the modified curricula of Indian Economy [UGECO302], Indian Economy [UGECO402] and Agricultural Economics PGBECO103. The changed syllabi were approved without any modification.
7. Foundation Course: Head of the department Dr. B.M. Munde presented the modified curriculum of Foundation Course [UGFC201]. The changed syllabus was approved without any modification.
8. Geography: Head of the department Dr. Prakash Hajare presented the changed curriculum of Principles of Geomorphology Paper- I [PGGEO 101]. The changed syllabus was approved without any suggestions.
9. Psychology: Mr. Rohit Iyer, faculty member of the department presented the changed curriculum Research Methods in Psychology [PGPSY104]. The changed syllabus was approved without any modification.
10. Information Technology: Head of the department Ms. Madhuri Bankar presented the changed curriculum of Life and Employability Skills [UGIT206]. The changed syllabus was approved without any suggestions.
11. Chemistry: Dr. Ramesh Mohite, Head of the department presented the changes in syllabi of Analytical Chemistry [UGCH504], Analytical Chemistry [PGCHA104], Analytical Chemistry [PGCHA 301]. Hon. Prof. Padma Devrajan, Prof. Rita Mukhopadhyaya, Dr. Sangeeta Srivastava recommended in the experiment of 'To determine percentage purity of calcium gluconate of drugs by complexometric titration use various drugs [UGCHPDD605] and in 'Isolation of Natural products by Soxhlet method' can use additional Microwave & Supercritical Methods ([PGCHOP302]
12. Physics: Head of the department, Dr. Vitthal Pujari presented the changes in syllabi mainly of UG-Classical Mechanics [UGPH601], Applied Physics [UGPH604], PG- Classical Mechanics [PGPH102], Atomic and Molecular Physics [PGPH302], Thin Film Physics and Devices [PGPHEC02]. By looking at the tough time (pandemic situation), Hon. Prof. Vaishali Bambole, doesn't want to burden either the students or teachers, what she said is



better to drop few articles / chapters (water, wind etc) and include some sort of instrumentation part in each of all the four units being physicists. The suggestions made by Hon. Prof. Vaishali Bambole regarding the UG Course Applied Physics[UGPH604] to introduce some sort of instrumentation part [one instrument under each of these four units] and accordingly, the corrections made in all these four units are as follows: In Unit I: Chemical Physics - Instrumentation: Principle and working of Potentiostat under Electrochemistry is included. In Unit II: Bio-physics - Blood pressure measurement (Sphygmomanometer mercury), Oxygen level and pulse rate (Oxymeter), principle of Atomic Force Microscopy (AFM) instead of Scanning Electron Microscopy (SEM) as suggested by Hon. Prof. Padma Devrajan is included. In Unit III: Environmental Physics - measurement of water portability, concept and working of effluent treatment plant (ETP) under water pollution and principle and working of solar cells / panels under renewable energy sources is included. In Unit IV: Geo-physics - Palaeomagnetism, Utility of different geophysical techniques, Instrumentation, field procedures used in geophysical studies is also included. Classical Mechanics [PGPH102]– A topic on ‘Computational Physics’ in is appreciated by Hon. Prof. Vaishali Bambole. She also appreciated about the inclusion of ‘Fabrication and Characterization of Thin films Devices’ as fourth unit in PG Course [PGPHEC02] and she expressed her concern about the overall syllabus of this particular course, which is well designed and balanced. There were no suggestions in the syllabi of remaining courses Classical Physics [UGPH601], Classical Physics [PGPH102], Atomic and Molecular Physics [PGPH302] and Thin Film Physics and Devices [PGPHEC02] which were presented.

13. Computer Science: On behalf of Department of Computer Science, Ms. Dipti Kulkarni presented the modified curricula of Operating System & Linux [UGCS301], Practical [UGCSP301], Core Java [UGCS302], Practical [UGCSP302], PL/SQL [UGCS303], Practical [UGCSP303], Combinatorics & Graph Theory [UGCS304], Practical [UGCSP304], Computer Networks [UGCS305], Practical [UGCSP305]. Prof. Vaishali Bambole mentioned syllabus for Computer Networks [UGCS305] is over ambitious so suggested to reduce.

14. Food Technology: Head of the department, Ms. Anita More presented the modified curricula of Introduction to Foods [UGFT-102], Dairy Technology [UGFT-202], Food



Chemistry[UGFT – 206], Food QA & QC[UGFT 207], Technology of Fish, Meat and Egg Processing [UGFT301], Technology of Cereals, Pulses and Oilseeds [UGFT401], Food quality assurance[UGFT 602], By product utilization and waste management [UGFTP 405]. In UGFTP405: By-product utilization and waste management, the title of the practical 'Effect of fermentation of pH is to be changed to 'Effect of fermentation of pH on COD and BOD' recommended by Hon. Dr. Sangeeta Srivastava

15. Biotechnology: Head of the department, Ms. Manminder Riyat presented the modified curriculum of UGBT404 Medical Microbiology. The changed syllabus was approved without any modification. Prof. Rita Mukhopadhyaya recommended as research is going on for vaccine production and treatment of COVID 19 and so guidelines of ICMR would be used in teaching.
16. Bioanalytical Sciences : Ms. Geetanjali Gone, Head, Department of Bioanalytical Sciences presented the changes in Basic Chemistry, Extraction Techniques, Different Medicinal Systems & Pharmacognosy[PGBAS101], Practical [PGBASP101], Chromatography and Spectroscopy-I[PGBAS103], Practical[PGBASP104], Chromatography and Spectroscopy-II[PGBAS203]. Dr. Ashwin Pathwardhan expressed his concern about PGBAS103: Unit 4 being bulky, hence wished for shifting subtopic "Basic concepts of NMR Spectroscopy".

The curricula of the following **Core Courses** were approved, subject to recommended corrections.

5.1

It was **resolved** that the recommendations made by the Board of Studies for **Physics** at its meeting held on **10th April 2021** be accepted and that in accordance therewith, the syllabus for UG-Classical Mechanics [UGPH601], Applied Physics [UGPH604], PG-Classical Mechanics [PGPH102], Atomic and Molecular Physics [PGPH302], Thin Film Physics and Devices [PGPHEC02] be revised as suggested by **Academic Council** and the same be implemented from the academic year **2021-22**.

5.2

It was **resolved** that the recommendations made by the Board of Studies for **Computer Science** at its meeting held on **16th April 2021** be accepted and that in accordance



therewith, the syllabus for Computer Networks [UGCS305] be revised as suggested by Academic Council and the same be implemented from the academic year 2021-22.

5.3

It was resolved that the recommendations made by the Board of Studies for Food Technology at its meeting held on 12th April 2021 be accepted and that in accordance therewith, the syllabus for UGFTP405: By-product utilization and waste management, the title of the practical 'Effect of fermentation of pH' is changed to 'Effect of fermentation of pH on COD and BOD' be revised as suggested by Academic Council and the same be implemented from the academic year 2021-22.

5.4

It was resolved that the recommendations made by the Board of Studies for Biotechnology at its meeting held on 16th April 2021 be accepted and that in accordance therewith, the syllabus for UGBT404 Medical Microbiology be revised as suggested by Academic Council and the same be implemented from the academic year 2021-22.

5.5

It was resolved that the recommendations made by the Board of Studies for Bioanalytical Science at its meeting held on 17th April 2021 be accepted and that in accordance therewith, the syllabus for Chromatography and Spectroscopy-I [PGBAS103], be revised as suggested by Academic Council and the same be implemented from the academic year 2021-22.

5.6

It was resolved that the recommendations made by the Board of Studies for Chemistry at its meeting held on 8th April 2021 be accepted and that in accordance therewith, the syllabus for Drugs and Dyes Practical [UGCHPDD605], Organic Chemistry Practical [PGCHOP302] be revised as suggested by Academic Council and the same be implemented from the academic year 2021-22.

Motion 6 [from Dr. Rajeshri Ghorpade]: Approval of Unit wise course outcomes of curriculum in Accountancy

Discussion: Unit wise course outcomes of curriculum in the subject of Accountancy was presented by Dr. Vivek Bhoir

Vote: All in favor.

Resolved: **Motion carried.**

Motion 7 [from Dr. Rajeshri Ghorpade]: Approval of skill based courses to be conducted in next academic year 2021-2022

Discussion: The list of skill based courses to be conducted in next academic year 2021-2022 was presented by Dr. Rajeshri Ghorpade

Vote: All in favor.

Resolved: **Motion carried.**

Motion 8 [from Dr. Rajeshri Ghorpade]: Discussion on implementation of CBCS [Choice Based Credit System] pattern from the next academic year 2021-2022

Discussion: Dr. Shubhada Nayak briefed on implementation of CBCS [Choice Based Credit System] pattern from the next academic year 2021-2022. She mentioned that for implementation of CBCS pattern the UGC guidelines will be followed. Faculty and department wise plans are also ready. The implementation will be done for First Year of Undergraduate Course in 2021-2022. All appreciated this initiative.

Vote: All in favor.

Resolved: **Motion carried.**


Motion 9 [from Dr. Rajeshri Ghorpade]: Any other business with the permission of the chair.

Discussion: No other business was proposed.

Vote: All in favor.

Resolved: **Motion carried.**

The meeting was accomplished by proposing the vote of thanks by Mr. C.D.Bhosale


PRINCIPAL
KARMAVEER BHARADWAJ PATIL COLLEGE
VASHI, NAVI MUMBAI-400703

