

## MEETING OF THE ACADEMIC COUNCIL

Third Meeting of the Academic Council constituted under autonomy is scheduled on 14<sup>th</sup> February 2022 at 5.00 PM. The meeting will be held in online mode and link for joining will be posted. All are requested to attend.

### Agenda:

1. To confirm Minutes of the last meeting held on 30/4/2021
2. To approve syllabi to be taught to Second Year classes from academic year 2022-2023 (changes approved in respective Boards of Studies)  
Subjects of CS, IT, Foundation Course, Human Science, Inter Disciplinary Studies, Mathematics, Physics, Statistics, Botany (subject to final approval from BOS Botany).
3. To review and approve new programme M.Sc. in Data Science
4. To review and approve new programme M.Sc. in Clinical Psychology
5. To approve credit policy under autonomy:  
120 credits as per existing norms for colleges  
12 additional credits to be collected by learner in 3 years of UG study
6. To sanction credits allotted to existing certificate courses as follows:

No	Certificate Course	Department	Hours	Credits
1	Techniques in Molecular Biology (Level-I)	Biotechnology & Microbiology	45	3
2	Techniques in Molecular Biology (Level-II)		45	3
3	Certificate Course in Computer Skills	IT and CS	60	4
4	Introduction to Astronomy and Astrophysics	Physics	45	3
5	Food Adulteration and Quality Management	Biochemistry	38	3
6	Solid Waste Management	Ev.S.	30	2
7	Fruit Preserves and Beverages: A Skill Development Course	Botany	60	4
8	Basics of R Software	Statistics	45	3
9	Python Level I	IT and CS	45	3
10	Instrumentation & Preparation of Standard Solutions	Chemistry	45	3
11	Research Scholar Programme	Botany	160	8

7. To approve new certificate courses as mentioned below:

No	Certificate Course	Department	Hours	Credits
1	Basics of C++	Physics	45	3
2	Big Data Analysis	IT and CS	30	2
3	Next Generation Databases	IT and CS	30	2
4	Artificial Intelligence	IT and CS	30	2
5	Virtualization	IT and CS	30	2
6	Machine Learning	IT and CS	30	2
7	Economics for Beginners: The Basics	Inter Disciplinary	32	2
8	The Beginners Introduction to Principles of Marketing	Inter Disciplinary	60	4
9	Certificate Course in Creative Writing	Inter Disciplinary	30	2
10	Mocktails from Nature's Basket	Botany	30	2
11	Basic Course in Law for students of Faculty of Science	College	30	2
12	The Central Public Administrative System	FC	30	2
13	SPSS Basic Level I	Statistics	30	2

Principal

## Minutes of the ONLINE Meeting of the Academic Council held on 14<sup>th</sup> February 2022 at 5.00 PM.

An ONLINE meeting of the academic Council was held on 14<sup>th</sup> February 2022 at 5.00 PM. The meeting was held online on Google Meet in consideration of the lockdown imposed by the state government in view of spread of COVID-19 pandemic. The following members were present:

No.	Member	Criterion
1	Prin. (Dr.) Shobhana Vasudevan	University Nominee
2	Prin. (Dr.) Uma Shankar	University Nominee
3	Prin. (Dr.) Gajanan Wader	University Nominee
4	Dr. A.P. Jayaraman	Expert nominated by Gov. Body
5	Dr. Sudhakar Agarkar	Expert nominated by Gov. Body
6	Dr. Sunil Kumar Deshmukh	Expert nominated by Gov. Body
7	Dr. Nitin Joshi	Expert nominated by Gov. Body
8	Dr. D.K. Nayak	Expert nominated by Gov. Body
9	Dr. M. Saha	Member, HOD Botany
10	Dr. A. S. Goswami-Giri	Member, HOD Chemistry
11	Smt. Minal Wankhede	Member, HOD Mathematics
12	Dr. S.S. Meshram	Member, HOD Physics
13	Dr. Sudesh Rathod	Member, HOD Zoology
14	Dr. Jayashree Pawar	Member, HOD Biotechnology
15	Dr. Kalpita Mulye	Member, HOD Microbiology
16	Shri Abhijeet Kale	Member, HOD IT & CS
17	Dr. Vinda Manjramkar	Member, I/C Human Science
18	Shri. Sudhir Bhosale	Member, I/C Foundation Course
19	Ms. Sumaiya Shaikh	Member, HOD, Statistics
20	Dr. Ujwala Gokhe	Member, I/C NSS Studies
21	Smt. Akanksha Shinde	Member
22	Smt. Uma Birajdar-Patne	Member
23	Ms. Sayali Daptardar	Member, I/C Biochemistry
24	Lt. Bipin Dhumale	Member, I/C NCC Studies
25	Dr. Urmila Kumavat	Member Secretary
26	Dr. Moses Kolet	Chairman
27	Ms. Kahkashan Ansari	Invitee, ID
28	Ms. Shamama Patel	Invitee, ID
29	Ms. Zamarpatel	Invitee, ID
30	Dr. P. Kurve	

Leave of absence was granted to members who could not attend the online meeting (Dr. G. P. Murthy and Dr. M. K. Pejaver). The following agenda were discussed and resolutions as mentioned below were passed by the academic council:

**Agenda 1: To Read and Confirm Minutes of the last meeting:** Minutes of the last meeting held on 30/4/2021 were read by Dr. Moses Kolet and confirmed by the council. Dr. Kolet proposed **Resolution No 6** (in continuation of earlier resolutions) to confirm the minutes which was seconded by Dr. Gajanan Wader and the resolution was unanimously passed. Action Taken Report was presented before the council.

**Agenda 2: To approve syllabi to be taught to Second Year classes from academic year 2022-2023**

(changes approved in respective Boards of Studies): Updated syllabi of CS, IT, Foundation Course, Inter Disciplinary Studies, Mathematics, Physics, Statistics, approved and passed in the respective Boards of Studies were presented for approval of the council. The Heads/ Incharges of Departments presented their respective syllabi approved by their Boards of Studies. Dr. Shobhana Vasudevan, Dr. Uma Shankar, Dr. Gajanan Wader, Dr. A.P Jayaraman, Dr. Sudhakar Agarkar, Dr. Sunil Kumar Deshmukh and all external members actively deliberated upon the upgradations and gave their comments and views. Prin. Gajanan Wader sir suggested projects for students of CS. Kale sir mentioned some currently ongoing projects such as projects for development of apps, which were appreciated by Dr. Wader. Dr. A.P. Jayaraman suggested essential elements of modern supply chain and appreciated the topic of concept of Work from Home in the syllabus of Office Organization. Dr. Gajanan Wader suggested opportunities for Industrial visits be given to IT students. Dr. A.P Jayaraman suggested inclusion of study of electromagnetic radiations and fundamental aspects of industrial safety in syllabi of Physics. Dr Meshram clarified that some of these topics are being included in T.Y. B.Sc Physics syllabi. All suggestions were accepted. Ms. Minal Wankhede said changes were expected in the University syllabi and the same would be upgraded and implemented at a later stage in Mathematics syllabi. All syllabi had the 60:40 pattern of evaluation for theory examinations and carried the pattern of external and continuous internal assessment which was appreciated. All the above-mentioned syllabi were aptly presented and unanimously approved by the council and **Resolution No 7** and **Resolution No. 8** proposed by Shri A.A. Kale and seconded by Dr A.P Jayaraman sir as well as Dr. Gajanan Wader Sir were passed unanimously in this respect.

Details of item numbers related to Resolution No 7 and Resolution No.8 are as mentioned below:

No	Programme: B.Sc. (S.Y.B.Sc.)	Presented By	Semester	Resolution No.7	Semester	Resolution No.8
	Course			Item No.		Item No.
1	Computer Science	Shri. A.A. Kale	III	4.1	IV	4.10
2	Foundation Course	Shri Sudhir Bhosale	III	4.2	IV	4.11
3	Inter Disciplinary Science:					
	Elements of Accounts	Ms. Kahkashan Ansari	III	4.3	IV	4.12
	Principles of Marketing	Ms. Kahkashan Ansari	III	4.4	IV	4.13
	Fundamentals of Economics	Ms. Shamama Patel- Dhole	III	4.5	-	-
	Office Organization and Management	Ms. Rashmeen Shaikh	-	-	IV	4.14
4	Information Technology	Shri. A.A. Kale	III	4.6	IV	4.15
5	Mathematics	Smt. Minal Wankhede	III	4.7	IV	4.16
6	Physics	Dr. Sangita Meshram	III	4.8	IV	4.17
7	Statistics	Ms. Sumaiya Shaikh	III	4.9	IV	4.18

The meeting was adjourned and continued on the next day 15<sup>th</sup> February 2022 at the same time (5.00 PM)

**Agenda 3: To review and approve new programme M.Sc. in Data Science:** New MSc programme in Data Science to be implemented by Department of IT and CS was presented before the academic council by HOD Shri A.A.Kale. The external expert members inquired if faculty to teach this programme were identified to which Kale sir gave a positive response. Shobhana Madam and Wader Sir inquired about eligibility of students to enroll for this course to which Kale sir replied students graduating with BSc IT/ CS/ Mathematics/ Statistics/ Physics from any recognized University would be eligible to enroll. More time for internships was suggested by Dr Jayaraman and Dr Wader. Internships were approved in the Fourth Semester. Data Management projects were also suggested in this program by Dr. Gajanan Wader. Dr Jayaraman suggested data visualization and Kale sir said it is being introduced as a separate certificate course. The external experts appreciated the new program and commented that one of the finest course has been designed by way of this syllabus for the new PG program on Data Science which was granted approval by the academic council. **Resolution No. 9** was proposed by Dr Moses Kolet and seconded by Dr A.P Jayaraman and passed unanimously in this effect.

**Agenda 4: To review and approve new programme M.Sc. in Clinical Psychology:** New MSc programme in Clinical Psychology to be implemented by Department of Human Science was presented before the academic council by In Charge of the Department Dr. Vinda Manjramkar. Dr Uma Shankar appreciated the course and suggested that clinical component be made more conspicuous in the syllabus. Addition of William James Theory in Religion psychology was suggested by Dr Uma Shankar. Addition of case studies was also suggested and so were topics such as Biochemistry of psychology, giving higher flavor to clinical setting, Mental Health, Techniques of evaluation, FMRI and Contemporary practices. Dr Vinda suggested the course would be open to graduates with BA/ BSc Psychology, BA/ BSc in Human Science and 3 units Psychology at Final Year TYBA/ BSc. The program was appreciated and approved. **Resolution No. 10** was proposed by Dr Moses Kolet and seconded by Dr Uma Shankar and Dr Shobhana Vasudevan and passed unanimously.

**Agenda 5: To approve credit policy under autonomy:** Prin.Dr. Moses Kolet presented the credit policy to be implemented under autonomy, viz. 120 credits for Subjects studied in 3 Years for BSc Degree and 12 additional credits to be collected by the learner which was approved by the council. DR. Uma Shanker suggested a pattern of year wise compulsory credits such as 2 credits in First Year, 4 credits in second Year and 6 credits in the Third Year be collected by every learner. This pattern of additional credits is to be implemented from 2022-23. The **Resolution No. 11** in this respect was proposed by Dr. Moses Kolet and seconded by Dr Sunil Kumar Deshmukh and Dr. Sudhakar Agarkar.

**Agenda 6: To sanction credits allotted to existing certificate courses:** Existing certificate courses being taught in the college and approved earlier by the CDC were put up for approval and allotment of credits based on duration. The certificate courses were allotted credits as

follows which was proposed by Dr Moses Kolet and seconded by Dr Gajanan Wader and Dr Nitin Joshi. **Resolution No 12** was passed in this effect.

No	Certificate Course	Department	Hours	Credits
1	Techniques in Molecular Biology (Level-I)	Biotechnology & Microbiology	45	3
2	Techniques in Molecular Biology (Level-II)		45	3
3	Certificate Course in Computer Skills	IT and CS	60	4
4	Introduction to Astronomy and Astrophysics	Physics	45	3
5	Food Adulteration and Quality Management	Biochemistry	38	3
6	Solid Waste Management	Ev.S.	30	2
7	Fruit Preserves and Beverages: A Skill Development Course	Botany	60	4
8	Basics of R Software	Statistics	45	3
9	Python Level I	IT and CS	45	3
10	Instrumentation & Preparation of Standard Solutions	Chemistry	45	3
11	Research Scholar Programme	Botany	160	8

**Agenda 7: To approve new certificate courses as mentioned below:**

No	Certificate Course	Department	Hours	Credits
1	Basics of C++	Physics	45	3
2	Big Data Analysis	IT and CS	30	2
3	Next Generation Databases	IT and CS	30	2
4	Artificial Intelligence	IT and CS	30	2
5	Virtualization	IT and CS	30	2
6	Machine Learning	IT and CS	30	2
7	Economics for Beginners: The Basics	Inter Disciplinary	32	2
8	The Beginners Introduction to Principles of Marketing	Inter Disciplinary	60	4
9	Certificate Course in Creative Writing	Inter Disciplinary	30	2
10	Mocktails from Nature's Basket	Botany	30	2
11	Basic Course in Law for students of Faculty of Science	College	30	2
12	The Central Public Administrative System	FC	30	2
13	SPSS Basic Level I	Statistics	30	2

Syllabi of the above certificate courses were presented by the respective Heads / In Charges of Departments and discussed in detail. All the certificate courses were well appreciated. A

course on Scientific Writing was suggested by Dr A.P Jayaraman which was agreed to be looked into by the members. Indices such as Hunger Index and Poverty Index were suggested for inclusion in Economics Course for Beginners. The courses on Mocktails and Law for Science students were applauded. **Resolution No. 13** approving these new certificate courses was proposed by Dr. Moses Kolet and seconded by Dr. A.P Jayaraman, Dr Uma Shankar and Dr. Gajanan Wader.

Resolutions as mentioned below were passed unanimously by the Academic Council in its meeting on 14/2/2022 (and 15/2/22):

<b>Resolution</b>	<b>Item No</b>	<b>Matter</b>
Resolution No. 6	1.1	Confirmation of Minutes of the last meeting held on 30/4/2021
Resolution No. 7	4.1- 4.9	Approval for SYBSc Semester III syllabi in CS, FC, ID, IT, Mathematics, Physics and Statistics to be implemented from AY 2022-2023
Resolution No. 8	4.10– 4.18	Approval for SYBSc Semester IV syllabi in CS, FC, ID, IT, Mathematics, Physics and Statistics to be implemented from AY 2022-2023
Resolution No. 9	4.19	Approval for new PG Programme: MSc programme in Data Science to be implemented from AY 2022-23. The new program MSc in Data Science was granted approval
Resolution No. 10	4.20	Approval for new PG Programme: MSc programme in Clinical Psychology to be implemented from AY 2022-23. The new program MSc in Clinical Psychology was granted approval
Resolution No. 11	5.1	Approval for Credit Policy under autonomy. Credit Policy of 120 credits + 12 Additional Credits was approved
Resolution No. 12	5.2	Approval of allotment of credits for existing certificate courses being conducted by the college
Resolution No. 13	5.3	Approval for 13 new certificate courses as presented in Agenda 7. The Academic Council granted its approval

Dr. Moses Kolet thanked all members and the meeting ended with formal vote of thanks by Dr. Urmila Kumavat and Dr. M. Saha.

Read and Confirmed

## Action Taken Report

Date of Meeting of the Academic Council: 14/2/2022 5.00 PM

Mode: Online

Agenda	Agenda Point	Action Taken
1	To read and confirm minutes of last meeting held on 30/4/2021	Done
2	To approve syllabi to be taught to Second Year classes from academic year 2022-2023	Updated syllabi of CS, IT, Foundation Course, Inter Disciplinary Studies, Mathematics, Physics, Statistics, approved and put up to Governing Body
3	To review and approve new programme M.Sc. in Data Science	Approved and put up to Governing Body and University
4	To review and approve new programme M.Sc. in Clinical Psychology	Approved and put up to Governing Body and University
5	To approve credit policy under autonomy	Done. Put up to Governing Body. To be implemented from AY 2022-23
6	To sanction credits allotted to existing certificate courses	Done. 11 existing courses allotted credits
7	To approve new certificate courses	Done. 13 new credit based certificate courses approved