

18th ACADEMIC COUNCIL MEETING

Minutes of the 18th Academic Council Meeting of Meston College of Education held at 3.00 p.m. on Thursday, 13th August, 2020, through the zoom Online platform.

Members Present:

1. Dr. S. DevasahayamSelvakumar (Principal) - in the Chair
2. Prof. G. Singaravelu (university Nominee)
3. Prof. E. Ramganesha (University Nominee)
4. Prof. B. William Dharmaraja (University Nominee)
5. Dr. M. Mohan SampathKumar (Expert)
6. Er. D. Paulraj (Expert)
7. Rev. Fr. Anthony Samy (Expert)
8. Rev. Fr. L. Gilbert Jeyaraj (Expert)
9. Dr. (Mrs) C. Sherine Vinoca Snehalatha (Assistant Professor of English)
10. Dr. P. Eugene Michael (Assistant Professor of Mathematics & The Controller of Examinations)
11. Mrs. G. Jemima (Co-ordinator, E.S.D.)
12. Dr. (Mrs) J. Johnsi Priya (Assistant Professor of Education)
13. Mrs. J. Beulah Kiruba (Assistant Professor of History)
14. Mrs. C. Jeba Evangeline (Assistant Professor of Physical Science)
15. Dr. (Mrs) A. Jeyantha Mary (Assistant Professor of Education)
16. Mr. R. Ruban John Thomas (Director of Physical Education)
17. Mrs. R. Sophia (Librarian)
18. Mr. D. Arnold Robinson (Assistant Professor of Biological Science) – Co-ordinator of Academic Council.

The meeting began with a prayer by Mrs. R. Sophia (Librarian), followed by the proceedings of the meeting.

The Principal welcomed the honorable members of the Academic Council. He also expressed his happiness towards the presence of all the members, through the virtual mode meeting.

Interchange of Third Semester and Fourth Semester syllabi for the B.Ed. Programme (2019 – 2021 batch).

The Principal presented the plan of interchange of the III Semester and IV Semester syllabi for the B.Ed. programme (2019 -2021 Batch), due to unexpected pandemic lockdown. During the III semester (2020- 2021 batch) students have to undergo teaching practice to the schools for about 16 weeks, which could not be possible now, due to the non reopening of schools during the pandemic period. He also added that our staff members have started to handle School Content, through online classes to our B.Ed. students from 3rd August 2020, following the instructions given by Tamil Nadu Teachers Education University. The Principal announced that the proposal regarding interchange of syllabus was approved by the members of Board of Studies.

The members of the Academic Council agreed the proposal and approved to follow in this current academic year only. The following suggestions were recorded by the members.

Prof E. Ramganesha specified that college should assure the equality and quality in organizing online classes to all the students. He also gave his best wishes of the college to proceed the technology based teaching.

Rev. Fr. L. Gilbert Jeyaraj greeted the decision which was taken for the benefit of students.

Dr. M. Mohan Sampathkumar wished the steps taken by the college.

Resolved to approve the Interchange of Third Semester and Fourth Semester syllabi for the B.Ed. Programme(2019 – 2021 batch), as a special case, applicable for this academic year (2020-2021) only.

Proposal for changing question paper pattern for Online Examinations for IV semester of the B.Ed. Programme (2018-2020 Batch) and II semester (2019-2020 batch) of M.Phil. programme, If needed.

The Principal highlighted the proposal of conducting online examinations for the final semester students, during this pandemic situation which has been deferred in Board of Studies. The following points were discussed by the members of academic council over this agenda.

Prof. Ramganesha suggested to follow the court verdict and wait for the directions of UGC, Government of Tamil Nadu and Tamil Nadu Teachers Education University.

Prof. William Dharmaraja told that conducting online examination is very expensive and it is not our cup of tea. If the management is willing to meet the expense, then go ahead for authorized mode of online examinations. He expressed his unpleasant view towards using google forms and other unauthorized modes.

Resolved to defer the agenda of conducting online examinations for IV semester of the B.Ed. Programme (2018-2020 Batch) and II semester (2019-2020 batch) of M.Philprogramme, till the orders from UGC, Government of TamilNadu and TamilNadu Teachers Education University have been issued, regarding the conduct of final semester examinations.

Revised syllabi of Second & Fourth semester (2020-2022 batch) for the B.Ed. Degree programme in the Physical Science Courses for approval

The principal presented the following modified syllabi of the Second and Fourth Semester (2020-2022 Batch) of the B.Ed. degree programme in Physical science courses (CPS 21P and CPS 41P), as recommended by Board of Studies for the approval of the Academic Council.

a) CPS 21 P – PEDAGOGY OF PHYSICAL SCIENCE – PART :II

In the 2nd Unit, the topic “5 learners” has been modified as “5E learning model”. In the same unit, the topics “Holistic learning, Integrated learning, Enjoyable learning and Engaging learning” have been included. In the 2nd Unit, under the topic ‘Communication in Science’, the topics “Qualities of an effective science communicator, developing science communication learners, communication by oral and written expression” are included.

In the 3rd Unit, the word “teacher” has been included in the heading. In the same unit, the contents are categorized, under the heading “Science teacher” and “Print Resources”. The topics “e-learning in physical science, communication technologies

used in e- learning, online conferencing, e-journal, e-book and mobile learning” has been included under the heading “e- Resources”.

The 1st item in the suggested practical, the words “against NCERT book” has been included. The 2nd item in the suggested practical has been completely removed and “Preparation of an achievement test on any topic by developing the Blue Print” has been included.

The reference section is modified as follows, based on the opinions of the members of the Academic Council.

1. Anil Kumar. (1999). Teaching of Physical Science, New Delhi: Anmol Publications
2. Gupta, S.K. (1985). Teaching of Physical Science in Secondary Schools, New Delhi: Sterling Publications (Pvt.) Limited.
3. Joshi, D. (2012). Methodology of Teaching Science, New Delhi: Dorling Kindersley (India) Pvt. Ltd.
4. Mangal, S.K. (2009). Teaching of Physical Sciences, New Delhi: Arya Book Depot.
5. Nagaraju, M.T.V. (2008). Hand Book for Teaching Physical Science- Methods and Techniques, New Delhi: Kanishka Publications.
6. National Education Policy, 2020
7. Pedagogy of Science- Physical Science Text book for B.Ed., NCERT.
8. Radha Mohan. (2010). Teaching of Physical Science, New Delhi: Neelkamal Publishers.
9. Rahi, A.S. (2012). Pedagogy in Physical Sciences and Teachers, U.S: Createspace Publications.
10. Sharma, R.C. (2006). Modern Science Teaching, New Delhi: Dhanpat Rai Publications.
11. Sonika, R. (2012). Methodology of Teaching Science, New Delhi: Dorling Kindersley (India) Pvt. Ltd.
12. Sood, J.K. (1992). New Directions in Science Teaching, Chandigarh: Kohli Publishers.
13. Vanaja, M. (2004). Teaching of Physical Science. New Delhi: Neelkamal Publishers.
14. [www.ncert.nic.in/phy_sci_part I](http://www.ncert.nic.in/phy_sci_part_I)
15. [www.ncert.nic.in/phy_sci_part II](http://www.ncert.nic.in/phy_sci_part_II)

b) CPS 41 P – PEDAGOGY OF PHYSICAL SCIENCE – PART :III

In the 2nd unit, the contribution of Indian Scientists C.V.Raman, Subrahmanya Chandrasekar and Dr.A.P.J.AbdulKalam. In the same unit, the topics “Pedagogical shift-Planning, teaching- learning experiences” have been included.

In the 3rd unit, the topic “Process skills of science” has been included. Also, the topic “Scientific temper” has been included, after the concept “developing scientific attitude”. In the same unit, the topic “Scientific Literacy” has been included after “Scientific temper”.

Unit IV has been revised completely. The following topics has been included- meaning, definition of research, Types of Research: Pure, Action Research and teacher as a researcher.

In the 5th Unit, the topic “Identification of Epistemological existence of scientific ideas” has been removed.

The 2nd item in the suggested practical has been completely removed and instead of this, "Prepare a report on the school life of physical science noble laurels" has been included.

By following latest editions of books on physical science and suggested Reference Books, the reference section is modified as follows, based on the suggestions given by the members of the academic council.

1. Anil Kumar. (1999). Teaching of Physical Science, New Delhi: Anmol Publications
2. Gupta, S.K. (1985). Teaching of Physical Science in Secondary Schools, New Delhi: Sterling Publications (Pvt.) Limited.
3. Joshi, D. (2012). Methodology of Teaching Science, New Delhi: Dorling Kindersley (India) Pvt. Ltd.
4. Mangal, S.K. (2009). Teaching of Physical Sciences, New Delhi: Arya Book Depot.
5. Nagaraju, M.T.V. (2008). Hand Book for Teaching Physical Science- Methods and Techniques, New Delhi: Kanishka Publications.
6. National Education Policy, 2020
7. Pedagogy of Science- Physical Science Text book for B.Ed., NCERT.
8. Radha Mohan. (2010). Teaching of Physical Science, New Delhi: Neelkamal Publishers.
9. Rahi, A.S. (2012). Pedagogy in Physical Sciences and Teachers, U.S: Createspace Publications.
10. Sharma, R.C. (2006). Modern Science Teaching, New Delhi: Dhanpat Rai Publications.
11. Sonika, R. (2012). Methodology of Teaching Science, New Delhi: Dorling Kindersley (India) Pvt. Ltd.
12. Sood, J.K. (1992). New Directions in Science Teaching, Chandigarh: Kohli Publishers.
13. Vanaja, M. (2004). Teaching of Physical Science. New Delhi: Neelkamal Publishers.
14. www.ncert.nic.in>phy_sci_part I
15. www.ncert.nic.in>phy_sci_partII

Resolved to approve the following Revised syllabi of Second & Fourth semester (2020-2022 batch) for the B.Ed. Degree programme in the Physical Science Courses and recommend to the Governing Board for final approval.

B.Ed. (2020-2022 Batch)

Second Semester

CPS 21 P – PEDAGOGY OF PHYSICAL SCIENCE – PART :II

Fourth Semester

CPS 41 P – PEDAGOGY OF PHYSICAL SCIENCE – PART :III

The meeting came to an end with the vote of thanks by Mr. D. Arnold Robinson, Co-ordinator of the Academic Council and Assistant Professor of Biological Science, Meston College of Education.