



Sri Dharmasthala Manjunatheshwara College
(Autonomous), Ujire-574 240, Dakshina Kannada, Karnataka State

(Re-accredited by NAAC at "A" grade with CGPA 3.61 out of 4)

PG Studies in
Physics
Meeting Minutes
2020-21



Sri Dharmasthala Manjunatheshwara College (Autonomous), Ujire-574 240, Dakshina Kannada, Karnataka State

(Re-accredited by NAAC at "A" grade with CGPA 3.61 out of 4)

P.G. DEPARTMENT OF PHYSICS Proceedings of BOS meeting

Date	21-08-2020
Time	10:45 a.m
Venue	Statistics Lab/Comp. Centre, SDM PG Centre, Ujire (Online – Google Meet)

AGENDA NO	AGENDA
Agenda 1 SDMCU/PG PHY-BOS/2020-21/01/01	Reading the minutes of the previous BOS meeting & action taken report
Agenda 2 SDMCU/PG PHY-BOS/2020-21/01/02	Syllabus Scrutiny & Modification
Agenda 3 SDMCU/PG PHY-BOS/2020-21/01/03	Approval for the additional Elective Papers
Agenda 4 SDMCU/PG PHY-BOS/2020-21/01/04	Approval for the Value added Courses (Certificate Courses)
Agenda 5 SDMCU/PG PHY-BOS/2020-21/01/05	Finalizing the list of examiners
Agenda 6 SDMCU/PG PHY-BOS/2020-21/01/06	Any other matter

Members Present:

Sl no	Name and address	Designation
1.	Dr. Ganapayya B. Dept. of Physics (PG) SDMC, Ujire	Chairperson
2.	Prof. Gopalakrishna Naik Dept. of Physics, Mangalore University	University Nominee
3.	Prof. Y. Narayana Dept. of Physics, Mangalore University	Alumni



SDM College (Autonomous) Ujire

1



Sri Dharmasthala Manjunatheshwara College (Autonomous), Ujire-574 240, Dakshina Kannada, Karnataka State

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4.	Prof. Sathyanarayana M.N Dept. of Physics, NITK Surathkal	Subject Expert
5.	Prof. Ajith K.N. Dept. of Physics, NITK Surathkal	Subject Expert
6.	Dr. Ravindra Shetty Agent Technology Pvt. Ltd, Bangalore	Industrial Representative
7.	Prof. Dharmaprakash S.M. Dept. of Physics, Mangalore University	Special Invitee
8.	Prof. S.N. Kakathkar Dept. of Physics (UG) SDMC, Ujire	Member
9.	Prof. Raghavendra S. Dept. of Physics (PG) SDMC, Ujire	Member
10.	Prof. Sahana K. Dept. of Physics (PG) SDMC, Ujire	Member
11.	Prof. Chethan Rao Dept. of Physics (PG) SDMC, Ujire	Member
12.	Prof. Sowmya K. Dept. of Physics (PG) SDMC, Ujire	Member

Members Not Present:

Sl no	Name and address	Designation
1.	Prof. S. Satheeshchandra Dept. of Physics (UG) SDMC, Ujire	Member

Due to the COVID situation, the BOS meeting was conducted online via Google Meet platform. The BOS Chairperson welcomed the gathering and set forth the agenda.

Agenda 1

Reading the minutes of the previous BOS meeting held on 31-08-2019 & action taken report

The BOS Chairperson read the minutes of the previous BOS meeting.

Suggestion 1

Syllabus scrutiny & modification reg.

Action taken:



SDM College (Autonomous) Ujire

2



Sri Dharmasthala Manjunatheshwara College (Autonomous), Ujire-574 240, Dakshina Kannada, Karnataka State

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Inclusion of skill components for each paper was deemed impossible & changes wherever possible were made. Also, some of the individual units' titles to be renamed & updates as per relevance were successfully made.

The Board approved the agenda.

Agenda 2

Syllabus Scrutiny & Modification

The agenda was set forth & one by one; each paper in the syllabus was scrutinized. Some of the changes/suggestions/ modifications discussed were:

- Updating the year/edition of reference books.
- The committee suggested the inclusion of EM induction (Unit – II of PHH 404) & deleting some portion of Unit – IV.
- The committee suggested adding S protein interaction etc. in 454 & possibility of including C++ &/or Python in PHH 451.
- Possibility of changing title of the paper 501 to "Spectroscopy" was discussed – but dismissed as not possible.
- Suggestion to include spintronics, sensors, MEMS & plasmonic sensors in 503 was given.
- Experiments' additions /deletion/ modifications (particularly in 1st & 2nd sem practical of Electronics lab) were proposed by committee.
- The modifications deemed necessary shall be implemented for the upcoming year & the modified syllabus shall be set by email to members for scrutiny & consent.

The Board approved the agenda.

Agenda 3

Approval for the additional Elective Papers

The internal members proposed new elective papers (3+3) in II & III sem each. It was felt that more elective papers must be given as choice(s) for the students, in the spirit of CBCS. The thrust areas of inter/multi disciplinary fields of work, current trends &/or basics of the subject as prerequisites for students of other subjects were kept in mind. In light of the above reasons, the following papers were proposed and accepted:

S No	Title of Open Elective	Credits/Hrs/Sem offered
1	PHE 455A Basic Nuclear & Radiation Physics	3/39/II Sem
2	PHE 455B Applied Solid State Physics	
3	PHE 455C Physics of the Cosmos	
4	PHE 507A Physics of the Micro World	3/39/III Sem
5	PHE 507B Everyday Electronics	
6	PHE 507C Physics of Sight & Sound	

The Board approved the agenda.





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Agenda 4

Approval for the Value added Courses (Certificate Courses)

The internal members proposed a new Certificate course in III & IV sem. Since it isn't possible to include certain topics within either hardcore or softcore papers, the best way to incorporate essential skill components was found to be certificate courses. Therefore, the following paper was proposed as a Certificate course for II year students:

PHC1: Research Methodology & Computational Techniques

No of Hrs: 21 + 21 = 42 hrs divided over two semesters

Offered in: III & IV sem

The syllabus outlining the essential features to be reflected were discussed and suggestions taken. It was agreed that a detailed syllabus shall be made and sent to the members for scrutiny & approval.

The Board approved the agenda.

Agenda 5

Finalizing the list of examiners

The list of BOE members was updated. The names of superannuated members were removed & a few newer members' names were proposed. The modified list is to be prepared & kept for approval for the next meeting.

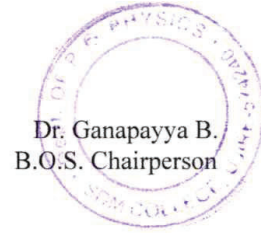
The Board approved the agenda.

Agenda 6

Any other matter

Nil

Meeting concluded with vote of thanks.





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P.G. DEPARTMENT OF PHYSICS Proceedings of BOS meeting

Date	09-07-2021
Time	10:15 a.m.
Venue	Dept. of Physics, SDM PG Centre, Ujire (Online – Google Meet)

AGENDA NO	AGENDA
Agenda 1 SDMCU/PG PHY-BOS/2020-21/02/01	Reading the minutes of the previous BOS meeting & action taken report
Agenda 2 SDMCU/PG PHY-BOS/2020-21/02/02	Review of results and brief report of the department activities
Agenda 3 SDMCU/PG PHY-BOS/2020-21/02/03	Revision/Modification of syllabus/Question paper pattern
Agenda 4 SDMCU/PG PHY-BOS/2020-21/02/04	Introduction of MOOCs related to the emerging areas in Elective/Value added courses
Agenda 5 SDMCU/PG PHY-BOS/2020-21/02/05	SWAYAM integrated chapters/Units
Agenda 6 SDMCU/PG PHY-BOS/2020-21/02/06	Finalizing the list of examiners
Agenda 7 SDMCU/PG PHY-BOS/2020-21/02/07	Any other matter

Members Present:

Sl no	Name and address	Designation
1.	Prof. Raghavendra S. Dept. of Physics (PG) SDMC, Ujire	Chairperson
2.	Prof. Dharmaprakash S.M. Dept. of Physics, Mangalore University	Special Invitee



SDM College (Autonomous) Ujire

1



Sri Dharmasthala Manjunatheshwara College (Autonomous), Ujire-574 240, Dakshina Kannada, Karnataka State

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3.	Prof. Y. Narayana Dept. of Physics, Mangalore University	Alumni
4.	Prof. Ajith K.N. Dept. of Physics, NITK Surathkal	Subject Expert
5.	Dr. Ravindra Shetty Agent Technology Pvt. Ltd, Bangalore	Industrial Representative
6.	Prof. Sahana K. Dept. of Physics (PG) SDMC, Ujire	Member
7.	Prof. Chethan Rao Dept. of Physics (PG) SDMC, Ujire	Member
8.	Prof. Sowmya K. Dept. of Physics (PG) SDMC, Ujire	Member

Due to the COVID situation, the external BOS members attended online via Google Meet platform. The BOS Chairperson welcomed the members and set forth the agenda.

Agenda 1

Reading the minutes of the previous BOS meeting

The BOS Chairperson read the minutes of the previous BOS meeting held on 21-08-2020 and appraised the actions taken.

Suggestion 1

Syllabus scrutiny & modification reg.

Action taken:

The six open elective papers (3+3 in II & III sem respectively) and the value added course in the form of Certificate course which were proposed, have been incorporated in the syllabus. These are listed below:

S No	Title of Open Elective	Credits/Hrs/Sem offered
1	PHE 455A Basic Nuclear & Radiation Physics	3/39/II Sem
2	PHE 455B Applied Solid State Physics	
3	PHE 455C Physics of the Cosmos	
4	PHE 507A Physics of the Micro World	3/39/III Sem
5	PHE 507B Everyday Electronics	
6	PHE 507C Physics of Sight & Sound	





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7	PHC1 Research Methodology & Computational Techniques	21 + 21 = 42 hrs divided over two semesters (III & IV)
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Suggestion 2 **Updating BOE members list**

Action taken

This was also done. The updated list was shared.

The Board approved the agenda.

Agenda 2

Review of results and brief report of the department activities

The Chairperson informed the members about the previous semester examination conducted and one of the lab exams pending due to lockdown. Hence, the results have yet to be announced. Further, the schedule of online classes and various activities of the Dept. (webinars, MCQs etc.) were also mentioned.

The Board approved the agenda.

Agenda 3

Revision/Modification of syllabus/Question paper pattern

The syllabus was shared earlier and members had scrutinized the syllabus. Some of the changes/suggestions/ modifications discussed were:

- Updating the year/edition of reference books.
- Two minor topics in PHS 555 were requested for modification:
 - (i) In Unit II, instead of "Crystallographic structures of thin films", it was suggested to add "Nano composites".
 - (ii) In Unit IV, instead of "Polymerization reactions", it was suggested to add "Determination of molecular weight".

The justifications for these changes are included in **Annexure 1**.

- The modifications deemed necessary shall be implemented for the upcoming year & the modified syllabus shall be shared to members for scrutiny & consent.

The Board approved the agenda.

Agenda 4

Introduction of MOOCs related to the emerging areas in Elective/Value added courses

The Chairperson explained the management policy and the views of the Dept. regarding the introduction of MOOCs & addition of Value-added courses into the curriculum. To give better exposure on global topics and provide a standard curricular development of the students, there are many good online resources and MOOCs. The agenda was discussed by the members as to what steps can be taken in this regard.





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The external members opined that since the credit allotment for taking such courses was not clear, the MOOC topics could be added as references and/or offered as additional course materials for students. The list of select few courses are included in **Annexure 2**.

The Board approved the agenda.

Agenda 5

SWAYAM integrated chapters/Units

In light of the vast amount of inter/cross-disciplinary work happening these days, there's a strong necessity to introduce lot of curricular and academic topics – apart from the mainstream syllabus. Hence, the Chairperson proposed this agenda for discussion.

Further, since the new NEP 2020 shall be implemented shortly, the clarity for course credits pending, it was suggested that there is no problem in offering such courses as supplementary courses or extra student assignments for self-learning. However, unless the University regulations regarding this are clarified, offering credits or exemption cannot be given presently. (**Annexure 2**)

The Board approved the agenda.

Agenda 6

Finalizing the list of examiners

The Chairperson presented the draft list of examiners for suggestions and approval.

The list was updated based on the following suggestions made by the members:

The names of superannuated members were removed (Prof. K.M. Balakrishna & Prof. K.B. Vijaya Kumar) & three new (internal) members were proposed (Prof. Rakesha KA, Prof. Rashmi N and Prof. Apeksha Jain). Updated list is enclosed in **Annexure 3**.

The Board approved the agenda.

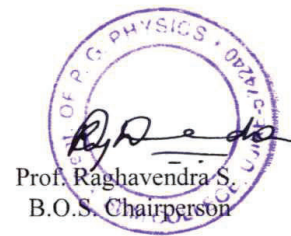
Agenda 7

Any other matter

- It was suggested by the members to look into NEP and start planning the structure & syllabus on the guidelines.
- It was also pointed out about the importance of student projects & small research projects- encouraging the "beyond syllabus" attitude and to look at thrust areas to work on.

The Board approved the agenda.

Meeting concluded with vote of thanks.



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