



# Sant Baba Bhag Singh UNIVERSITY

Village: Khiala: PO: Padhiana, Distt: Jalandhar 144030  
Website: [www.sbbsuniversity.ac.in](http://www.sbbsuniversity.ac.in) Phone: 0181-2711163 Fax: 0181-2711555

## Department of Physical Sciences

Ref. No: SBBSU/UIS/PS/2022/29A.

Date: 31/03/2022

### Proceedings of Meeting of Board of Studies (BoS) of Department of Physical Sciences

As per circular no SBBSU/UIS/PS/2022/23 dated 29-03-2022 and SBBSU/UIS/PS/2022/24 dated 29-03-2022, the Board of Studies (BOS) meetings for discipline of Physics, Mathematics and Chemistry were held on 30<sup>th</sup> March 2022 and 31<sup>st</sup> March 2022 at 10:00am onwards through online mode (Google Meet) for implementation of new education policy 2020 in UG programmes and for approval of scheme and syllabus of B.Sc Non Medical 4 year programme.

Following members were present in the meeting and approved the BOS agenda:

S.No.	Name	Subject	Designation	Institute	Position	Signature
1	Dr. Aneet Kumar	Education	Dean Academics	SBBSU	Chairperson	
2	Dr. Vikas Sharma	Agriculture	Dean UIS	UIS	Member	
3	Dr. Vandana Bansal	Mathematics	Associate Professor	Head, Department of Mathematics, Ramgaria College, Phagwara, Punjab, India Email: <a href="mailto:bansalvandana@yahoo.com">bansalvandana@yahoo.com</a> ; PH: 7888993245	External Subject Expert (Mathematics)	Present online
4	Dr. Nareshpal Singh Saini	Physics	Professor	Department of Physics, Guru Nanak Dev University, Amritsar, India Email: <a href="mailto:nssaini@yahoo.com">nssaini@yahoo.com</a> , <a href="mailto:nssaini.phy@gndu.ac.in">nssaini.phy@gndu.ac.in</a> Mobile: +91-9417384692, Office: +91-183-2258802	External subject Expert (Physics)	Present online
5	Dr. Narinder Singh	Chemistry	Professor	Department of Chemistry, IIT Ropar, Punjab-India Email: <a href="mailto:nsingh@iitrpr.ac.in">nsingh@iitrpr.ac.in</a> ; Phone: 01881-232062	External Subject Expert (Chemistry)	Present online
6	Dr. Nisha Sharma	Chemistry	Coordinator, Physical Sciences, Associate Professor Chemistry	UIS	Member	
7	Dr. Mithu Maiti Jana	Chemistry	Associate Professor	UIS	Internal Member	
8	Dr. Ab Lateef Khan	Chemistry	Assistant Professor	UIS	Internal Member	
9	Dr. Anju Sood	Mathematics	Associate Professor	UIS	Internal Member	



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10	Dr. Ashima Kanwar	Mathematics	Assistant Professor	UIS	Internal Member	<i>[Signature]</i> 31/03/22
11	Dr. Inderdeep Singh	Mathematics	Assistant Professor	UIS	Internal Member	<i>[Signature]</i> 31/03/22
12	Dr. Honey Sharma	Physics	Assistant Professor	UIS	Internal Member	<i>[Signature]</i> 31/3/22
13	Dr. Ankush Kumar	Physics	Assistant Professor	UIS	Internal Member	<i>[Signature]</i> 31/3/22
14	Ms. Arwinder Kaur	Physics	Assistant Professor	UIS	Internal Member	<i>[Signature]</i> 31/03/22
15	Ms Meena	Physics	Assistant Professor	UIS	Internal Member	<i>[Signature]</i> 31/3/22
16	Ms Baljinder Kaur	Mathematics	Assistant Professor	UIS	Internal Member	<i>[Signature]</i> 21/2/22
17	Mr Gurpreet Singh	Mathematics	Assistant Professor	UIS	Internal Member	<i>[Signature]</i> 31/3/22
18	Mr Jujhar Singh	Mathematics	Assistant Professor	UIS	Internal Member	<i>[Signature]</i> 31/3/22
19	Ms Avneet Pal Kaur	Chemistry	Assistant Professor	UIS	Internal Member	<i>[Signature]</i> 31/3/22
20	Ms Amarjeet Kaur	Chemistry	Assistant Professor	UIS	Internal Member	<i>[Signature]</i> 31/3/22
21	Dr. Vijay Dhir(Dean UIET) / His representative				Member	<i>[Signature]</i>
22	Dr. Aneet Kumar (Dean UIE) /His representative				Member	<i>[Signature]</i>
23	Dr. Seema Garg (Dean UIL, UICAIIS)/ Her representative				Member	<i>[Signature]</i>
24	Dr Ramandeep Kaur Chahal (Dean UICM)/ Her representative				Member	<i>[Signature]</i>
25	Dr Shweta Singh (Coodinator, Life Sciences & Allied Health Sciences				Member (On behalf of B.Sc Medical)	<i>[Signature]</i>



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## **Following agenda items were discussed and approved as follow:**

1. Discussed and approved scheme, credits & Syllabus of mathematics, physics and chemistry for B.Sc. Non Medical 4 year (UG045), as per New Education Policy 2020 for the admissions of session 2022-2023 onwards.
2. Discussed and approved Interdisciplinary Core/DSE Courses of Chemistry offered for B.Sc Medical 4 year (UG046) as per New Education Policy 2020 for the admissions of session 2022-2023 onwards.
3. Approved the Incorporation of vision, mission, Programme Educational Objects (PEOs), Programme Outcome (POs), Programme Specific Outcome (PSOs), & Course Outcomes (COs) in Scheme & syllabus of B.Sc Non Medical 4 year (UG045) programme.
4. Discussed & Approved various curriculum aspects on the basis of Feedback of stakeholders (Students/Alumni/Teachers/Employers) i.e. Incorporation of more elective/core courses on the basis of specialization oriented, technological advancements, practicability & employable skills (Detail is attached).
5. Discussed & approved incorporation of research project and research methodology & IPR at 4<sup>th</sup> year level of UG programmes as per New Education Policy 2020 in B.Sc Non Medical (UG045).
6. Amendments in the course curriculum on the basis of suggestions by the experts regarding scheme and syllabus.





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**Details of Proceedings of BoS Meeting & Changes approved as per the agenda are as follows:-**

**1. Approved Scheme and syllabus of new courses of Introduced in following programmes**

- B.Sc. Non Medical 4 year (UG045) (as per New Education Policy 2020)
- Interdisciplinary Core/DSE Courses of Chemistry offered for B.Sc Medical 4 year (UG046) (as per New Education Policy 2020)
- New programme code, course codes have been approved for B.Sc Non Medical 4 year (UG045) and B.Sc Medical 4 year programme (UG046).

**New Courses introduced & approved as per the agenda were as follows:**

**2. New Courses introduced & approved in B.Sc Non Medical 4 year (UG045) programme**

- 6 semester of B.Sc Non Medical 4 year (UG045) has been maintained equivalent to three year B.Sc Non Medical (UG031) programme as per CBCS and with minor changes by introduction of some discipline specific and skill based courses (Detail attached)
- New courses have been introduced in 7<sup>th</sup> and 8<sup>th</sup> semester keeping in view guidelines of new education policy 2020 (Detail attached)
- Research based courses have been introduced in 7<sup>th</sup> and 8<sup>th</sup> semester of UG programmes as per NEP 2020 and approved through BOS.

**2.1 New Courses of chemistry introduced & approved in B.Sc Non Medical 4 year (UG045) and B.Sc Medical 4 year (UG046) programme**

S.No.	Programme Name /Code	Course Code	Course/ Subject Name	Remarks / Observations by Experts/Stakeholders/BoS members)	Action Taken
1.	B.Sc Non Medical 4 year (UG045), B.Sc Medical 4 year (UG046)	CHM370	Chemistry-VI: Inorganic Materials of Industrial Importance	New courses introduced as Major course (Discipline specific) in 6 <sup>th</sup> semester of for B.Sc Non Medical/Medical 4 year programme.	<b>Incorporated in the curriculum. Implemented w.e.f Academic session 2022-2023</b>
2.	B.Sc Non Medical 4 year (UG045), B.Sc Medical 4 year (UG046)	CHM372	Chemistry-VI: Inorganic Materials of Industrial Importance Practical	New practical courses introduced as Major course (Discipline specific) in 6 <sup>th</sup> semester of for B.Sc Non Medical/Medical 4 year programme.	
3.	B.Sc Non Medical 4 year (UG045), B.Sc Medical 4 year (UG046)	CHM 374	Basic Pharmaceutical Chemistry	New Skill enhancement course introduced as Minor course for B.Sc Non Medical/Medical as per NEP 2020 in 6 <sup>th</sup> semester	
4.	B.Sc Non Medical 4 year (UG045), B.Sc Medical 4 year (UG046)	CHM376	Chemistry of Cosmetics and Perfumes	New Skill enhancement course introduced as Minor course for B.Sc Non Medical/Medical as per NEP 2020 in 6 <sup>th</sup> semester	
5.	B.Sc Non Medical 4 year (UG045), B.Sc Medical 4 year (UG046)	CHM461	Main Group Chemistry	As DSE Major course with Chemistry specialization is introduced in 7 <sup>th</sup> semester. Students with research interest in chemistry have to opt any three courses out of this elective pool.	





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6.	B.Sc Non Medical 4 year (UG045), B.Sc Medical 4 year (UG046)	CHM463	Organic Reaction Mechanism-I	
7.	B.Sc Non Medical 4 year (UG045), B.Sc Medical 4 year (UG046)	CHM465	Thermodynamics and its applications	
8.	B.Sc Non Medical 4 year (UG045), B.Sc Medical 4 year (UG046)	CHM467	Industrial Chemical analysis & Quality Control	
9.	B.Sc Non Medical 4 year (UG045), B.Sc Medical 4 year (UG046)	CHM469	Nano-Science & Nano Chemistry	
10.	B.Sc Non Medical 4 year (UG045), B.Sc Medical 4 year (UG046)	CHM471	Inorganic Chemistry Practical-1	As discipline specific practical Major course (Inorganic specialization based) has been introduced. Students with research interest in chemistry have to opt this course. Aim of this course is to improve practical skills.
11.	B.Sc Non Medical 4 year (UG045), B.Sc Medical 4 year (UG046)	CHM462	Chemistry of Natural Products & Heterocyclic Chemistry	
12.	B.Sc Non Medical 4 year (UG045), B.Sc Medical 4 year (UG046)	CHM464	Chemical Kinetics & Chemical Equilibrium	
13.	B.Sc Non Medical 4 year (UG045), B.Sc Medical 4 year (UG046)	CHM466	Coordination Chemistry	
14.	B.Sc Non Medical 4 year (UG045), B.Sc Medical 4 year (UG046)	CHM468	Bio-Organic Chemistry	
15.	B.Sc Non Medical 4 year (UG045), B.Sc Medical 4 year (UG046)	CHM470	Industrial Chemistry	

Incorporated  
in the  
curriculum.  
Implemented  
w.e.f  
Academic  
session 2022-  
2023



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16.	B.Sc Non Medical 4 year (UG045). B.Sc Medical 4 year (UG046)	CHM472	Organic Chemistry Practical-I	As discipline specific practical Major course (Organic specialization based) has been introduced. Students with research interest in chemistry have to opt this course. Aim of this course is to improve practical skills.
17.	B.Sc Non Medical 4 year (UG045). B.Sc Medical 4 year (UG046)	CHM474	Physical Chemistry Practical-I	As discipline specific practical Major course course (Physical specialization based) has been introduced. Students with research interest in chemistry have to opt this course. Aim of this course is to improve practical skills.

## 2.2 New Courses of Physics introduced & approved in B.Sc Non Medical 4 year programme (UG045)

18.	Programme Name /Code	Course Code	Course/ Subject Name	Remarks / Observations by Experts/Stakeholders/BoS members)	Action Taken
19.	B.Sc Non Medical 4 year (UG045)	PHY261	Thermal Physics and statistical mechanics	Name of the course from Thermal Physics and statistical mechanics has been changed to Thermal Physics	<b>Incorporated in the curriculum. Implemented w.e.f Academic session 2022-2023</b>
20.	B.Sc Non Medical 4 year (UG045)	PHY263	Thermal Physics and statistical mechanics lab	Name of the course from Thermal Physics and statistical mechanics lab has been changed to Thermal Physics lab	
21.	B.Sc Non Medical 4 year (UG045)	PHY461	Electronics	As DSE Major course with Physics specialization is introduced. Students with research interest in Physics have to opt this course.	
22.	B.Sc Non Medical 4 year (UG045)	PHY463	Electronics Lab	As DSE Major lab course with Physics specialization is introduced. Students with research interest in Physics have to opt this course.	
23.	B.Sc Non Medical 4 year (UG045)	PHY465	Electromagnetic theory	As DSE Major course with Physics specialization is introduced. Students with research interest in Physics have to opt this course.	
24.	B.Sc Non Medical 4 year (UG045)	PHY467	Electromagnetic theory Lab	As DSE Major lab course with Physics specialization is introduced. Students with research interest in Physics have to opt this course.	
25.	B.Sc Non Medical 4 year (UG045)	PHY469	Classical Mechanics	As DSE Major course with Physics specialization is introduced. Students with research interest in Physics have to opt this course.	
26.	B.Sc Non Medical 4 year (UG045)	PHY462	Statistical Mechanics	As DSE Major course with Physics specialization is introduced. Students with research interest in Physics have to opt this course.	
27.	B.Sc Non Medical 4 year (UG045)	PHY464	Condensed Matter Physics	As DSE Major course with Physics specialization is introduced. Students with research interest in Physics have to opt this course.	
28.	B.Sc Non Medical 4 year (UG045)	PHY466	Condensed Matter Physics(Lab)	As DSE Major lab course with Physics specialization is introduced. Students with research interest in Physics have to opt this course.	



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29	B.Sc Non Medical 4 year (UG045)	PHY468	Physics of nanomaterial	As DSE Major course with Physics specialization is introduced. Students with research interest in Physics have to opt this course.	
30	B.Sc Non Medical 4 year (UG045)	PHY470	Physics of nanomaterial(Lab)	As DSE Major lab course with Physics specialization is introduced. Students with research interest in Physics have to opt this course.	

## 2.2 New Courses of Mathematics introduced & approved in B.Sc Non Medical 4 year (UG045) programme

	Programme Name /Code	Course Code	Course/ Subject Name	Remarks / Observations by Experts/Stakeholders/BoS members)	Action Taken
32.	B.Sc Non Medical 4 year (UG045)	MAT461	Advanced Real Analysis-I	As DSE Major course with Mathematics specilization have been introduced . Students with research interest in Mathematics have to opt three course from this mentioned courses in 7th Sem.	<b>Incorporated in the curriculum. Implemented w.e.f Academic session 2022-2023</b>
33.	B.Sc Non Medical 4 year (UG045)	MAT463	Abstract Algebra-I		
34.	B.Sc Non Medical 4 year (UG045)	MAT465	Advanced Differential Equations		
35.	B.Sc Non Medical 4 year (UG045)	MAT467	Introduction to Statistics		
36.	B.Sc Non Medical 4 year (UG045)	MAT469	Mathematical Tools and Software- Practical	As discipline specific practical Major course with Mathematics specilization is introduced . Students with research interest in Mathematics have to opt this course in 7th sem . Aim of this course is to improve practical skills.	
37.	B.Sc Non Medical 4 year (UG045)	MAT462	Advanced Real Analysis -II	As DSE Major course with Mathematics specilization is introduced . Students with research interest in Mathematics have to opt three course from this mentioned courses in 8th Sem.	
38.	B.Sc Non Medical 4 year (UG045)	MAT464	Abstract Algebra-II		
39.	B.Sc Non Medical 4 year (UG045)	MAT466	Numerical Analysis		
40.	B.Sc Non Medical 4 year (UG045)	MAT468	Fourier Series and Integral Equations		
41.	B.Sc Non Medical 4 year (UG045)	MAT470	Calculus and Matrices- Practical	As discipline specific practical Major course with Mathematics specilization is introduced . Students with research interest in Mathematics have to opt this course in 8th sem. Aim of this course is to improve practical skills.	
42.	B.Sc Non Medical 4 year (UG045)	MAT472	Statistical Lab	As discipline specific practical Major course with Mathematics specilization is introduced . Students with research interest in Mathematics have to opt this course in 8th sem. Aim of this course is to improve practical skills	





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New Interdisciplinary/Ability Enhancement core courses introduced in B.Sc Non Medical 4 year programme (UG045) as per NEP2020.

1.	B.Sc Non Medical 4 year (UG045)	RM401	Research Methodology & IPR	As per NEP 2020, research component based course is introduced in 7 <sup>th</sup> semester. Students at 7 <sup>th</sup> semester will be able to identify a research problem, process of formulating a research problem, role of Intellectual Property Rights (IPR) in research and development	<b>Incorporated in the curriculum. Implemented w.e.f Academic session 2022-2023</b>
2.		RLS 401	UG Project (Part I- Literature Review & seminar)	As per NEP 2020, research component based course is introduced in 7 <sup>th</sup> semester. Students at 7 <sup>th</sup> semester will be able to analyze current literature research for research topic of his/her area of expertise. Design a research problem and prepare synopsis. Plan future experiments in the laboratory and interpretation of the results.	
3.		DIS402	UG Project (Part II- Dissertation/Project Report)	As per NEP 2020, research component based course is introduced in 8 <sup>th</sup> semester. Students will be able to explore research aptitude & practical skills, develop critical thinking through the detailed review of literature, comprehend expertise for writing the research reports in form of review article as well as research publications. Able to analyze & generate experimental skills towards the industrial applications	
4.	B.Sc Non Medical 4 year (UG045), B.Sc Medical 4 year (UG046)	ENG 121	Communication Skill I	Ability enhancement courses as communication skills have been introduced at the entry level in 1st and second sem.	
5.		ENG 123	Communication Skill I Lab		
6.		ENG 114	Communication Skill II		
7.		ENG 116	Communication Skill II Lab		
8.		CSE014	Basic of Computer Sciences	Ability enhancement course (Skill based: interdisciplinary course ) have been introduced in 6th semester to acquire the basic and practical knowledge about ICT resources	
9.		CSE016	Basic of Computer Sciences Lab		



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## 3. Other Suggestions of External Experts (Not covered above):

S. No.	Name of Expert	Designation/Address	Expert's suggestions	Action Taken
1	Dr. Narinder Singh	Professor, Department of Chemistry, IIT Ropar, Punjab-India Email: <a href="mailto:nsingh@iitrpr.ac.in">nsingh@iitrpr.ac.in</a> Phone: 01881-232062	Expert has appreciated the efforts of faculty and institute for well designing of syllabus.  Seminar should be incorporated in course curriculum of UG and PG programmes	Duly acknowledged.  As per new Education policy 2020, there is UG research project (Literature review and seminar incorporated in 7 <sup>th</sup> semester of B.Sc Non Medical/B.Sc Medical. In M.Sc Hons. Chemistry, seminar as 1 credit skill enhancement course has been incorporated in 2 <sup>nd</sup> semester.
2.	Dr. Nareshpal Singh Saini	Professor, Department of Physics, Guru Nanak Dev University, Amritsar, India Email: <a href="mailto:nssaini@yahoo.com">nssaini@yahoo.com</a> , <a href="mailto:nssaini.phy@gnpu.ac.in">nssaini.phy@gnpu.ac.in</a> Mobile: +91-9417384692, Office: +91-183-2258802	Names of Lab courses should be changed to Physics lab I,II , etc .  (ii) From discipline specific pool of 6th sem; quantum mechanics should be shifted to 8th sem discipline specific pool	Revision incorporated in the syllabus
3.	Dr Vandana Bansal	Associate Professor, Head, Department of Mathematics, Ramgaria College, Phagwara, Punjab, India Email: <a href="mailto:bansalvandana@yahoo.com">bansalvandana@yahoo.com</a> PH:7888993245	Expert has appreciated the efforts of faculty of mathematics and institute for well designing of syllabus.  Syllabus content of Algebra for B.Sc NM must be revised	Duly acknowledged.  Revision incorporated in the syllabus

As suggested by the experts, all amendments have been incorporated in scheme and syllabus.

Meeting ended with the thanks by Dean Academics.

Dr Mithu Majhi Jana (Associate Professor Chemistry)

Dr Ankush Kumar (Assistant Professor Physics)

Dr Ashima Kanwar (Assistant Professor (Mathematics))

Dr Anju Sood (Associate Professor Mathematics)

Dr Nisha Sharma (Associate Professor Chemistry);  
Coordinator, Physical Sciences (UIS, SBBSU)

Dr Honey Sharma (Assistant Professor (Physics))

Dr Inderdeep Singh (Assistant Professor (Mathematics))

Dean of Institute (UIS, SBBSU)



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## Department of Physical Sciences

Ref. No: SBBSU/UIS/PS/2022/29 B

Date: 21/03/2022

### Proceedings of Meeting of Board of Studies (BoS) of Department of Physical Sciences for approval of B.Sc NM (UG031) syllabus/Scheme 3 year programme

As per circular no SBBSU/UIS/PS 2022/23 dated 29-03-2022 and SBBSU/UIS/PS/2022/24 dated 29-03-2022, the Board of Studies (BOS) meetings for discipline of Physics, Mathematics and Chemistry were held on 30<sup>th</sup> March 2022 and 31<sup>st</sup> March 2022 at 10:00am onwards through online mode (Google Meet) for approval of scheme and syllabus of B.Sc Non Medical (UG031) 3 year programme.

Following members were present in the meeting and approved the BOS agenda:

S.No.	Name	Subject	Designation	Institute	Position	Signature
1	Dr. Anect Kumar	Education	Dean Academics	SBBSU	Chairperson	
2	Dr. Vikas Sharma	Agriculture	Dean UIS	UIS	Member	
3	Dr. Vandana Bansal	Mathematics	Associate Professor	Head, Department of Mathematics, Ramgaria College, Phagwara, Punjab, India Email: <a href="mailto:dr.vandana@sbbsu.ac.in">dr.vandana@sbbsu.ac.in</a> ; PH:7888993245	External Subject Expert (Mathematics)	Present online
4	Dr. Nareshpal Singh Saini	Physics	Professor	Department of Physics, Guru Nanak Dev University, Amritsar, India Email: <a href="mailto:nareshpal@gnpu.ac.in">nareshpal@gnpu.ac.in</a> ; Mobile: +91-9417384692, Office: +91-183-2258802	External subject Expert (Physics)	Present online
5	Dr. Narinder Singh	Chemistry	Professor	Department of Chemistry, IIT Ropar, Punjab-India Email: <a href="mailto:narinder@iitrpr.ac.in">narinder@iitrpr.ac.in</a> ; Phone: 01881-232062	External Subject Expert (Chemistry)	Present online
6	Dr. Nisha Sharma	Chemistry	Coordinator, Physical Sciences, Associate Professor Chemistry	UIS	Member	
7	Dr. Mithu Maiti Jana	Chemistry	Associate Professor	UIS	Internal Member	
8	Dr. Ab Lateef Khan	Chemistry	Assistant Professor	UIS	Internal Member	





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9	Dr. Anju Sood	Mathematics	Associate Professor	UIS	Internal Member	11/31/3/22
10	Dr. Ashima Kanwar	Mathematics	Assistant Professor	UIS	Internal Member	4/31/3/22
11	Dr. Inderdeep Singh	Mathematics	Assistant Professor	UIS	Internal Member	Dr. Singh 31/3/22
12	Dr. Honey Sharma	Physics	Assistant Professor	UIS	Internal Member	H. Sharma 31/3/22
13	Dr. Ankush Kumar	Physics	Assistant Professor	UIS	Internal Member	Ankush Kumar 31/3/22
	Ms. Arwinder Kaur	Physics	Assistant Professor	UIS	Internal Member	Arwinder Kaur 31/3/22
15	Ms Meena	Physics	Assistant Professor	UIS	Internal Member	Meena 31/3/22
16	Ms Baljinder Kaur	Mathematics	Assistant Professor	UIS	Internal Member	Baljinder Kaur 31/3/22
17	Mr Gurpreet Singh	Mathematics	Assistant Professor	UIS	Internal Member	Gurpreet Singh 31/3/22
18	Mr Jujhar Singh	Mathematics	Assistant Professor	UIS	Internal Member	Jujhar Singh 31/3/22
19	Ms Avneet Pal Kaur	Chemistry	Assistant Professor	UIS	Internal Member	Avneet Pal Kaur 31/3/22
20	Ms Amarjeet Kaur	Chemistry	Assistant Professor	UIS	Internal Member	Amarjeet Kaur 31/3/22
21	Dr. Vijay Dhir(Dean UIET) / His representative				Member	Vijay Dhir
22	Dr. Aneet Kumar (Dean UIE) /His representative				Member	Aneet Kumar
23	Dr. Seema Garg (Dean UIL, UICAIS)/ Her representative				Member	Seema Garg
24	Dr Ramandeep Kaur Chahal (Dean UICM)/ Her representative				Member	Ramandeep Kaur Chahal
25	Dr Shweta Singh (Coodinator, Life Sciences & Allied Health Sciences				Member (On behalf of B.Sc Medical)	Shweta Singh



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Following agenda items were discussed and approved as follow:

1. Discussed and approved scheme, credits & Syllabus of mathematics, physics and chemistry for B.Sc. Non Medical 3 year (UG031) for the admissions of session 2022-2023 onwards.
2. Discussed and approved Interdisciplinary Core/DSE Courses offered for B.Sc. Non Medical 3 year (UG031) for the admissions of session 2022-2023 onwards.
3. Discussed & Approved various curriculum aspects on the basis of Feedback of stakeholders (Students/Alumni/Teachers/Employers) i.e. Incorporation of ability enhancement courses (Detail is attached).
4. Amendments in the course curriculum on the basis of suggestions by the experts regarding scheme and syllabus.

Details of Proceedings of BoS Meeting & Changes approved as per the agenda are as follows:-

1. Approved Scheme and syllabus of new courses of Introduced in following programmes
  - a) B.Sc. Non Medical 3 year (UG031)
  - b) Interdisciplinary Core/DSE Courses of offered for B.Sc. Non Medical 3 year (UG031)
  - c)

1. New Courses introduced & approved as per the agenda were as follows:

1.1 New Courses of introduced & approved in B.Sc Non Medical 3 year (UG031) and B.Sc Medical programme

S.No.	Programme Name /Code	Course Code	Course/ Subject Name	Remarks / Observations by Experts/Stakeholders/BoS members)	Action Taken
1.	B.Sc Non Medical 3 year (UG031)	CHM324	Chemistry of Cosmetics and Perfumes	New Skill enhancement course introduced as Minor course for B.Sc Non Medical/Medical in 6 <sup>th</sup> sem to make learners skilled regarding cosmetics and perfume industry	
2.	B.Sc Non Medical 3 year (UG031)	CHM320	Inorganic Materials of Industrial Importance	As DSE course is introduced in 6 <sup>th</sup> semester with main focus upon industrially significant materials.	Incorporated in the curriculum. Implemented w.e.f Academic session 2022-2023
3.	B.Sc Non Medical 3 year (UG031)	CHM322	Inorganic Materials of Industrial Importance Practical		

1.2 New Courses of Physics introduced & approved in B.Sc Non Medical 3 year (UG031) programme

	Programme Name /Code	Course Code	Course/ Subject Name	Remarks / Observations by Experts/Stakeholders/BoS members)	Action Taken



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4.	B.Sc Non Medical 4 year (UG045)	PHY316	Embedded System: Introduction to Microcontroller	New courses introduced as Major course (Discipline specific) in 6 <sup>th</sup> semester of for B.Sc Non Medical/Medical 3 year programme.	Incorporated in the curriculum. Implemented w.e.f Academic session 2022-2023
5.	B.Sc Non Medical 4 year (UG045)	PHY318	Embedded System: Introduction to Microcontroller (Practical)	New practical courses introduced as Major course (Discipline specific) in 6 <sup>th</sup> semester of for B.Sc Non Medical/Medical 3 year programme.	

## 1.3 New Interdisciplinary/Ability Enhancement core courses introduced in B.Sc Non Medical 3 year programme (UG031)

1.	B.Sc Non Medical 3 year (UG031). B.Sc Medical 3 year programme	ENG 121	Communication Skill I	Ability enhancement courses as communication skills have been introduced at the entry level in 1st and second sem.	<b>Incorporated in the curriculum. Implemented w.e.f Academic session 2022-2023</b>
2.		ENG 123	Communication Skill I Lab		
3.		ENG 114	Communication Skill II		
4.		ENG 116	Communication Skill II Lab		
5.		CSE014	Basic of Computer Sciences	Ability enhancement course (Skill based: interdisciplinary course ) have been introduced in 6th semester to acquire the basic and practical knowledge about ICT resources	
6.		CSE016	Basic of Computer Sciences Lab		

## Courses where revision is carried out & approved as per the agenda were as follows:

### 2.1 Revision in courses and approved in B.Sc Non Medical 3 year (UG031) and B.Sc Medical programme

S.No.	Programme Name /Code	Course Code	Course/ Subject Name	Remarks / Observations by Experts/Stakeholders/BoS members)	Action Taken
1	B.Sc Non Medical 3 year (UG031)	PHY201	Thermal Physics	Course name and course content of Major course of Physics i.e. Thermal Physics and Statistical Thermodynamics has been revised and updated to Thermal Physics Keeping in view the relevance of content and duly approved	Incorporated in the curriculum. Implemented w.e.f Academic session 2022-2023
2	B.Sc Non Medical 3 year (UG031)	PHY203	Thermal Physics Practical		
3	B.Sc Non Medical 3 year (UG031)	PHY308	Quantum Mechanics	Revision in course content has been carried out and approved	
4	B.Sc Non Medical 3 year (UG031)	CHM318	Pharmaceutical Chemistry	Revision in unit 1 and unit 4 has been carried out. Skill based content is introduced with more practical aspects	





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5	B.Sc Non Medical 3 year (UG031)	CHM307	Organometallic, Bioinorganic chemistry.... (Practical)	New experiments in the syllabus have been introduced on the availability in virtual labs
6	B.Sc Non Medical 3 year (UG031)	MAT202	Algebra	Course content of algebra has been revised on the recommendations of expert and duly approved
7	B.Sc Non Medical 3 year (UG031)	MAT303	Linear Algebra	Course content of Linear algebra have been revised and duly approved
8	B.Sc Non Medical 3 year (UG031)	PHY320	Practical Training	Evaluation of Practical training has to be carried out through regular seminars.

### 3. Other Suggestions of External Experts (Not covered above):

S. No.	Name of Expert	Designation/Address	Expert's suggestions	Action Taken
1	Dr. Narinder Singh	Professor, Department of Chemistry, IIT Ropar, Punjab-India Email: <a href="mailto:nsingh@iitrpr.ac.in">nsingh@iitrpr.ac.in</a> ; Phone: 01881-232062	Expert has appreciated the efforts of faculty and institute for well designing of syllabus. Seminar should be incorporated in course curriculum of UG programmes	Duly acknowledged.
2.	Dr. Nareshpal Singh Saini	Professor, Department of Physics, Guru Nanak Dev University, Amritsar, India Email: <a href="mailto:nssaini@yahoo.com">nssaini@yahoo.com</a> , <a href="mailto:nssaini.phy@gndu.ac.in">nssaini.phy@gndu.ac.in</a> Mobile: +91-9417384692, Office: +91-183-2258802	Names of Lab courses should be changed to Physics lab I, II, etc.	Revision incorporated in the syllabus



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3.	Dr Vandana Bansal	Associate Professor, Head, Department of Mathematics, Ramgaria College, Phagwara, Punjab, India Email: <a href="mailto:bansalvandana@yahoo.com">bansalvandana@yahoo.com</a> ; PH: 7888993245	Expert has appreciated the efforts of faculty of mathematics and institute for well designing of syllabus. Syllabus content of Algebra for B.Sc NM must be revised	Duly acknowledged.  Revision incorporated in the syllabus
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As suggested by the experts, all amendments have been incorporated in scheme and syllabus.

Meeting ended with the thanks by Dean Academics.

Dr Abhimanyu Singh (Assistant Professor Chemistry)

Dr Mithu Maiti Jana (Associate Professor Chemistry)

Dr Ankush Kumar (Assistant Professor Physics)

Dr Honey Sharma (Assistant Professor Physics)

Dr Inderdeep Singh (Assistant Professor Mathematics)

Dr Anju Sood (Associate Professor Mathematics)

Dr Nisha Sharma (Associate Professor Chemistry);  
Coordinator, Physical Sciences (UIS, SBBSU)

Dean of Institute (UIS, SBBSU)



# Sant Baba Bhag Singh University

(University Established under Punjab Act No. 6 of 2013)  
Vill. Khiala, P.O. Padhiana, Dist. Jalandhar, Punjab, INDIA

## External Expert Review Performa For Board of Studies

Name of External Expert :...Dr. Vandana Bansal.....  
Discipline :.....Mathematics.....(Deptt. of Physical Science)  
Designation :.....Head of Mathematics Deptt. & Asso. Prof.  
Organization (Name & Address) :...Rangashia College, Bhagwara  
Contact No. :.....7888993245.....  
E-Mail ID :.....bansalvandana@yahoo.com  
Date of Visit/Meeting :.....30.3.2022.....

### Reviewer's Comments :-

I feel honoured to be a part of the meeting of Board of Studies as Subject Expert for the approval of Course Scheme & Syllabus of Mathematics in UG & PG Programmes (for implementing NEP). Curriculum & Scheme was explained by Dr Ashima (UG Course) & Dr Anju (PG courses). After detailed & healthy discussions, I approve the scheme & curriculum with the suggestion of minor changes in the curriculum of Algebra for UG Courses. The meeting was well-organised by Coordinator Dr Nisha Sharma. Heartiest thanks to VC Sir for providing this wonderful opportunity. Special thanks to Dean, Coordinator, Faculty members & other dignitaries present in the meeting.

❖ Use extra sheet(s) if required.

Bansal  
Signature

(VANDANA BANSAL)  
Date...31.3.2022

Nisha Sharma  
Coordinator/HOD's/Dean's

Am  
Dean Academics





# **Sant Baba Bhag Singh University**

(University Established under Punjab Act No.6 of 2013)

Vill. Khiala, P.O. Padhiana, Dist. Jalandhar, Punjab, INDIA

## **External Expert Review Performa For Board of Studies**

Name of External Expert : Dr. Nareshpal Singh Saini  
Discipline : Physics  
Designation : Professor  
Organization (Name & Address) : Guru Nanak Dev University, Amritsar  
  
Contact No. : 9417384692  
E-Mail ID : nssaini.phy@gndu.ac.in  
Date of Visit/Meeting : March 30, 2022

Reviewer's Comments :-
Minors changes are required as per my suggestions given during online meeting.
Make those necessary changes.

*nssaini*

Signature

Date: April 02, 2022

*Nisha Sharma*  
Coordinator/HOD's/Dean's

*Aen*  
Dean Academics



# **Sant Baba Bhag Singh University**

(University Established under Punjab Act No.6 of 2013)

Vill. Khiala, P.O. Padhiana, Dist. Jalandhar, Punjab, INDIA

## External Expert Review Performa For Board of Studies

Name of External Expert : Prof. Narinder Singh

Discipline : Chemistry

Designation : Professor

Organization (Name & Address) : IIT Ropar

Contact No. : 9815250731

E-Mail ID : nsingh@iitrpr.ac.in


Date of Visit/Meeting : 31<sup>st</sup> March 2022

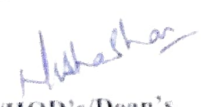
### **Reviewer's Comments :-**

The institute has designed the entire chemistry syllabus in a diligent way and deserves appreciation. The study time for students should not be more than 7 hours per day in order to assimilate the knowledge they have gained during their lectures, and also to give them some liberty to pursue their talents. For overall development of students is necessary, they should also engage in library and other extracurricular activities of their interest. There should be provision of seminars every semester with external experts, so that the students may obtain good exposure. Students will learn presentation skills; they will also learn their strengths and shortcomings.

❖ Use extra sheet(s) if required.

Signature

  
Date: 31.03.2022

  
Coordinator/HOD's/Dean's

  
Dean Academics



# Sant Baba Bhag Singh UNIVERSITY

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## Department of Physical Sciences

Ref. No: SBBSU/UIS/PS/2022/23

Date: 29 /03/2022

### MEETING CIRCULAR

It is my pleasure to inform you that you have been appointed as a member of Board of Studies (BOS) meeting of discipline of Physics and Mathematics for following courses, viz: (B.Sc NM, M.Sc (Hons.) Physics, M.Sc (Hons.) Mathematics offered by Physical Sciences as per NEP.

List of the BOS members is given below:

BoS meeting in Online Mode:					
S.No.	Name	Subject	Designation	Institute	Position
1	Dr. Aneet Kumar	Education	Dean Academics	SBBSU	Chairperson
2	Dr. Vikas Sharma	AGRICULTURE	Dean UIS	UIS	Member
3	Dr. Nareshpal Singh Saini	Physics	Professor	Department of Physics, Guru Nanak Dev University, Amritsar, India Email: <a href="mailto:nssaini@yahoo.com">nssaini@yahoo.com</a> , <a href="mailto:nssaini.phy@gndu.ac.in">nssaini.phy@gndu.ac.in</a> Mobile: +91-9417384692, Office: +91-183-2258802	Subject Expert
4	Dr Vandana Bansal	Mathematics	Associate Professor	Head, Department of Mathematics, Ramgaria College, Phagwara, Punjab, India Email: <a href="mailto:bansalvandana@yahoo.com">bansalvandana@yahoo.com</a> ; PH:7888993245	Subject Expert
5	Dr Nisha Sharma	Chemistry	Coordinator, Physical Sciences,	UIS	Member
6	Dr Anju Sood	Mathematics	Associate Professor	UIS	Internal Member
7	Dr Ashima Kanwar	Mathematics	Assistant Professor	UIS	Internal Member
8	Dr Inderdeep Singh	Mathematics	Assistant Professor	UIS	Internal Member
9	Dr Honey Sharma	Physics	Assistant Professor	UIS	Internal Member
10	Dr Ankush Kumar	Physics	Assistant Professor	UIS	Internal Member
11	Ma Arwinder Kaur	Physics	Assistant Professor	UIS	Internal Member
12	Ms Meena	Physics	Assistant Professor	UIS	Internal Member





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13	Ms Baljinder Kaur	Mathematics	Assistant Professor	UIS	Internal Member
14	Mr Gurpreet Singh	Mathematics	Assistant Professor	UIS	Internal Member
15	Mr Jujhar Singh	Mathematics	Assistant Professor	UIS	Internal Member
17	Dr Vijay Dhir (Dean UIET) / His representative				Member
18	Dr Aneet Kumar (Dean UIE) /His representative				Member
19	Dr. Seema Garg (Dean UIL, UICAIS)/ Her representative				Member
20	Dr Ramandeep Kaur Chahal (Dean UICM)/ Her representative				Member

You are requested to attend the meeting on 30/03/2022 (Wednesday) at 11:00 am onwards through online mode for Physics and from 12:15 pm onwards for Mathematics. All are requested to join online as per the link details provided through mail.

The detailed agenda of the meeting will be as follow:

1. Discussion and approval of various schemes & Syllabus of Physics & Mathematics for following programmes, viz: { B.Sc NM, M.Sc (Hons.) Physics, M.Sc (Hons.) Mathematics as per NEP.
2. Discussion on curriculum aspects on the basis of Feedback of stakeholders.
3. Amendments of any suggestions by the experts regarding scheme and syllabus.

*Nisha Sharma*  
29/3/2022  
Dr Nisha Sharma

Coordinator (Physical Sciences)

*Vikas Sharma*  
29/3/22  
Dr. Vikas Sharma

Dean UIS, SBBSU



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## Department of Physical Sciences

Ref. No: SBBSU/UIS/PS/2022/24

Date: 29/03/2022

### MEETING CIRCULAR

It is my pleasure to inform you that you have been appointed as a member of Board of Studies (BOS) meeting of Chemistry for following courses, viz: ( B.Sc NM, M.Sc (Hons.) Chemistry & (Interdisciplinary Core Courses of Chemistry) offered by Physical Sciences (as per NEP).

List of the BOS members is given below:

BoS meeting in Online Mode:					
S.No.	Name	Subject	Designation	Institute	Position
1	Dr. Aneet Kumar	Education	Dean Academics	SBBSU	Chairperson
2	Dr. Vikas Sharma	AGRICULTURE	Dean UIS	UIS	Member
3	Dr. Narinder Singh	Chemistry	Professor	Department of Chemistry, IIT Ropar, Punjab-India Email: <a href="mailto:nsingh@iitrpr.ac.in">nsingh@iitrpr.ac.in</a> ; Phone: 01881-232062	Expert Member conveyed through mail
4	Dr Nisha Sharma	Chemistry	Associate Professor ,Coordinator, Physical Sciences,	UIS	Member
5	Dr Nizamul Haque Ansari	Chemistry	Professor	UIS	Internal Member
6	Dr Mithu Maiti Jana	Chemistry	Associate Professor	UIS	Internal Member
7	Dr Ab Lateef Khan	Chemistry	Assistant Professor	UIS	Internal Member
8	Ms Avneet Pal Kaur	Chemistry	Assistant Professor	UIS	Internal Member
9	Ms Amarjeet Kaur	Chemistry	Assistant Professor	UIS	Internal Member
10	Dr Vijay Dhir (Dean UIET) / His representative				Member
11	Dr Aneet Kumar (Dean UIE) /His representative				Member
12	Dr. Seema Garg (Dean UIL, UICAIS)/ Her representative				Member
13	Dr Ramandeep Kaur Chahal (Dean UICM)/ Her representative				Member

You are requested to attend the meeting on 31/03/2022 (Thursday) at 10:00 am onwards through online mode. All are requested to join online as per the link details provided through mail.



# Sant Baba Bhag Singh UNIVERSITY

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The detailed agenda of the meeting will be as follow:

1. Discussion and approval of various schemes & Syllabus of chemistry for following programmes, viz: {B.Sc NM, M.Sc (Hons.) Chemistry, Interdisciplinary Core/DSE Courses of Chemistry offered for B.Sc Medical as per NEP.
2. Incorporation and revision of vision, mission, PO, PEO, PSO and CO into the syllabus.
3. Discussion and approval on curriculum aspects on the basis of Feedback of stakeholders.
4. Amendments of any suggestions by the experts regarding scheme and syllabus.

*Nisha Sharma*  
29/3/2022  
**Dr Nisha Sharma**

**Coordinator (Physical Sciences)**

*Vikas Sharma*  
29/3/22  
**Dr. Vikas Sharma**

**Dean UIS, SBBSU**





# Sant Baba Bhag Singh UNIVERSITY

Dr. Nisha

Village: Khiala: PO: Padhiana, Distt: Jalandhar 144030  
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## Department of Physical Sciences

Ref. No: SBBSU/UISH/PS/2021/20(A)

Date: 25/3/2022

To  
The Vice Chancellor  
SBBS University,  
Jalandhar

**Subject: For the approval of the expert for Board of Studies Meeting (BOS) of Physics courses for implementation of NEP in various programmes offered in Physical Sciences**

Respected Sir,

It is submitted that Department of Physical Sciences have to conduct BOS for Mathematics Courses ( B.Sc NM, M.Sc (Hons.) Mathematics) and interdisciplinary courses of Mathematics offered by Physical Sciences to implement NEP on 30<sup>th</sup> March 2022 through online mode. Kindly approve the subject Expert from the following panel.

### Panel of Experts for Mathematics

S No.	Name	Designation	University/Institute
1	Dr Vandana Bansal	Associate Professor	Head, Department of Mathematics, Ramgaria College, Phagwara, Punjab, India Email: bansalvandana@yahoo.com; PH: 7888993245
2	Dr SS Dhaliwal	Professor	Department of Mathematics, SLIET, Longowal, Punjab Email id: sukhjit_d@sliet.ac.in; PH: 9815980406
3	Dr. Sanjay K Srivastava	Professor in Mathematics	Department of Mathematics, Sardar Beant Singh State University Gurdaspur-Punjab, Email Id: sks64_bcet@yahoo.co.in; Mobile no. 98559-68325
4	Dr. Gurcharan Singh	Associate Professor,	Department of Mathematics, Chandigarh University, Mohali. Email: gurcharan.maths@cumail.in, PH: 9888070274

Kindly approve the Honorarium for the subject expert.

Honorarium to Subject Expert (BOS)	2000
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Thanking you in anticipation

Dr Nisha Sharma

Coordinator (Physical Sciences)

University Institute of Sciences

Third of Sanjay K Srivastava forwarded to Dean Academics 29/3/22  
Recommended & Forwarded for consideration  
Sanjay S. Srivastava is not available on 30th March 2022. Submitted for kind consideration. Nisha Sharma 29/3/22  
SKS Kumar 28/03/22  
Hon'ble Vice Chancellor

Dr. Vandana Bansal Serial No. 1 loc called. 29/3/22



# Sant Baba Bhag Singh UNIVERSITY

Dr. Nisha

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Website: www.sbbsuniversity.ac.in Phone: 0181-2711163 Fax: 0181-2711555

## Department of Physical Sciences

Ref. No: SBBSU/UISH/PS/2022/ 2d(B)

Date: 25/3/2022

To

The Vice Chancellor

SBBS University,

Jalandhar

**Subject: For the approval of the expert for Board of Studies Meeting (BOS) of Physics courses for implementation of NEP in various programmes offered in Physical Sciences**

Respected Sir,

It is submitted that Department of Physical Sciences have to conduct BOS for Physics Courses ( B.Sc NM, M.Sc Hons. Physics) and interdisciplinary courses of Physics offered by Physical Sciences to implement NEP on 30<sup>th</sup> March 2022 through online mode. Kindly approve the subject Expert from the following panel.

### Panel of Experts for Physics

S No.	Name	Designation	University/Institute
1	Dr. Nareshpal Singh Saini	Professor	Department of Physics, Guru Nanak Dev University, Amritsar, India Email: <a href="mailto:nssaini@yahoo.com">nssaini@yahoo.com</a> , <a href="mailto:nssaini.phy@gndu.ac.in">nssaini.phy@gndu.ac.in</a> Mobile: +91-9417384692, Office: +91-183-2258802
2	Dr H.M Mittal	Associate Professor,	Department of Physics, Dr B.R Ambedkar National Institute of Technology, Jalandhar, Email ID: <a href="mailto:mittalhm@nitj.ac.in">mittalhm@nitj.ac.in</a> ; Mobile: 9417119665
3	Dr R..K Seth	Associate Professor	DAV University, Jalandhar, Email Id: <a href="mailto:rkseth@msn.com">rkseth@msn.com</a> ; Mobile no. 9780450373
4	Dr Gagan Bhargava	Associate Professor,	Department of Physics, Chandigarh University, Email: <a href="mailto:physics.bhargava@gmail.com">physics.bhargava@gmail.com</a> , PH: 9816418069

Kindly approve the Honorarium for the subject expert.

Honorarium to Subject Expert (BOS)

2000

Thanking you in anticipation

Dr Nisha Sharma

Coordinator (Physical Sciences)

University Institute of Sciences

Recommended and forwarded for consideration

(52)

26/03/22

Honble Vice Chancellor





# Sant Baba Bhag Singh UNIVERSITY

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## Department of Physical Sciences

Ref. No: SBBSU/UISH/PS/2022/ 20 (C)

Date: 25/3/2022

To  
The Vice Chancellor  
SBBS University,  
Jalandhar

**Subject: For the approval of the expert for Board of Studies Meeting (BOS) of Chemistry courses for implementation of NEP in various programmes offered in Physical Sciences**

Respected Sir,

It is submitted that Department of Physical Sciences have to conduct BOS for Chemistry Courses ( B.Sc NM, B.Sc Medical, M.Sc Hons. Chemistry) and interdisciplinary courses of chemistry offered by Physical Sciences to implement NEP on 31<sup>st</sup> March 2022 through online mode. Kindly approve the subject Expert from the following panel.

Panel of Experts for CHEMISTRY			
S No.	Name	Designation	Affiliation (University/Institute)
1	Dr. Narinder Singh	Professor	Department of Chemistry, IIT Ropar, Punjab-India Email: <a href="mailto:nsingh@iitrpr.ac.in">nsingh@iitrpr.ac.in</a> ; Phone: 01881-232062
2	Dr Baljit Singh	Professor,	Professor, Department of Chemistry, Himachal Pradesh University, Shimla-171005 India E.Mail: <a href="mailto:baljitsinghhpu@yahoo.com">baljitsinghhpu@yahoo.com</a>
3	Dr Virender Singh	Associate Professor,	Department of Chemistry Central University of Punjab, Bhatinda, Mansa Road, Bhatinda, Punjab 151001 E.Mail: <a href="mailto:virender.singh@cup.edu.in">virender.singh@cup.edu.in</a> , PH 9780998060
4	Dr Vinod Kumar	Associate Professor,	Department of Chemistry, School of Chemical Sciences, Central University of Haryana, Jant-Pali, Mahender Garh., Haryana, India 123031 E.Mail: <a href="mailto:vinodkumar@cuh.ac.in">vinodkumar@cuh.ac.in</a> , <a href="mailto:vinodbatan@gmail.com">vinodbatan@gmail.com</a> , PH 91-8059444494

Kindly approve the Honorarium for the subject expert.

Honorarium to Subject Expert (BOS)	2000
------------------------------------	------

Thanking you in anticipation

Dr Nisha Sharma

Coordinator (Physical Sciences)

University Institute of Sciences

Recommended and forwarded for consideration

(513) Kumar 26/02/22

Hon'ble Vice Chancellor





# Sant Baba Bhag Singh UNIVERSITY

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Ref. No. SBBSU/DA/22/034

Date: 29/03/2022

To

Dr. Vandana Bansal  
Associate Professor  
Head, Department of Mathematics,  
Ramgaria College, Phagwara, Punjab, India

**Subject: Invitation for Board of Studies Meeting in the Department of Physical Sciences,  
SBBSU**

Dear Madam,

This is to bring to your kind notice that the meeting of Board of Studies (BOS) of Department of Physical Sciences, University Institute of Sciences (UIS), Sant Baba Bhag Singh University, Khiala, Jalandhar is going to be held on **30 March, 2022 (Wednesday)** through online mode. You have been nominated as an external subject expert for the same by the competent authority. I feel honour to invite you as subject expert for the approval of Course Schemes and Syllabus of Mathematics in UG & PG programmes as per National Education Policy 2020. Your experience and expertise will be of great help to the Department and University.

You are requested to kindly spare your valuable time to participate in the same through online mode on 30/03/2022 (Wednesday) at 12:15 pm.

Regards

A Kumar  
29/03/22

Dr Aneet Kumar  
Dean Academics  
SBBS University



# Sant Baba Bhag Singh UNIVERSITY

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Website: [www.sbbsuniversity.ac.in](http://www.sbbsuniversity.ac.in) Phone: 0181-2711163 Fax: 0181-2711555

Ref. No. SBBSU/DA/22/033

Date: 29/03/22

To

Dr. Nareshpal Singh Saini  
Professor  
Department of Physics,  
Guru Nanak Dev University, Amritsar, India

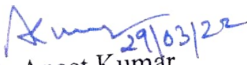
**Subject: Invitation for Board of Studies Meeting in the Department of Physical Sciences,  
SBBSU**

Dear Sir,

This is to bring to your kind notice that the meeting of Board of Studies (BOS) of Department of Physical Sciences, University Institute of Sciences (UIS), Sant Baba Bhag Singh University, Khiala, Jalandhar is going to be held on **30 March, 2022 (Wednesday)** through online mode. You have been nominated as an external subject expert for the same by the competent authority. I feel honour to invite you as subject expert for the approval of Course Schemes and Syllabus of Physics in UG & PG programmes as per National Education Policy 2020. Your experience and expertise will be of great help to the Department and University.

You are requested to kindly spare your valuable time to participate in the same through online mode on 30/03/2022 (Wednesday) at 11:00 am.

Regards

  
Dr Aneet Kumar  
Dean Academics  
SBBS University



# Sant Baba Bhag Singh UNIVERSITY

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Ref. No. SBBSU/DA/22/035

Date: 29/03/2022

To

Dr. Narinder Singh  
Associate Professor  
Department of Chemistry,  
IIT Ropar, Punjab-India

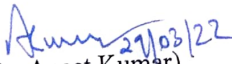
**Subject: Invitation for Board of Studies Meeting in the Department of Physical Sciences,  
SBBSU**

Dear Sir,

This is to bring to your kind notice that the meeting of Board of Studies (BOS) of Department of Physical Sciences, University Institute of Sciences (UIS), Sant Baba Bhag Singh University, Khiala, Jalandhar is going to be held on **31 March, 2022 (Thursday)** through online mode. You have been nominated as an external subject expert for the same by the competent authority. I feel honour to invite you as subject expert for the approval of Course Schemes and Syllabus of Chemistry in UG & PG programmes as per National Education Policy 2020. Your experience and expertise will be of great help to the Department and University.

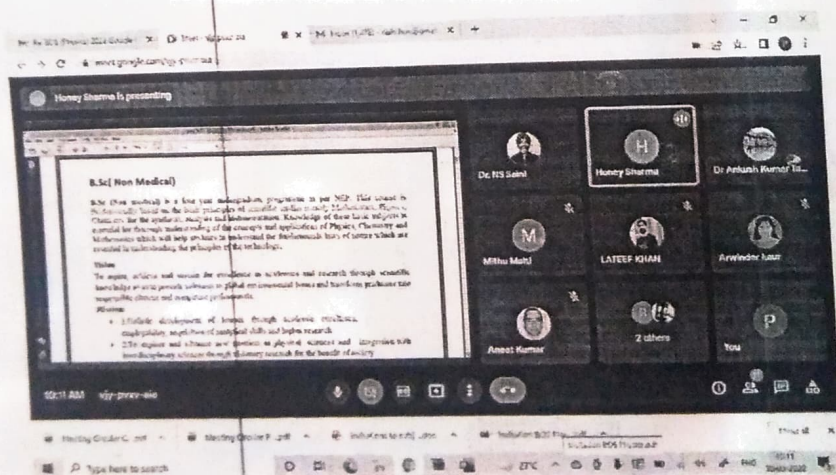
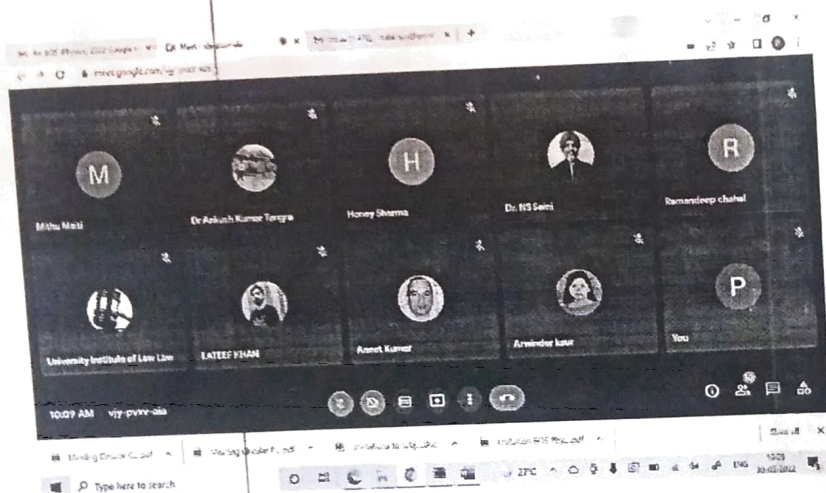
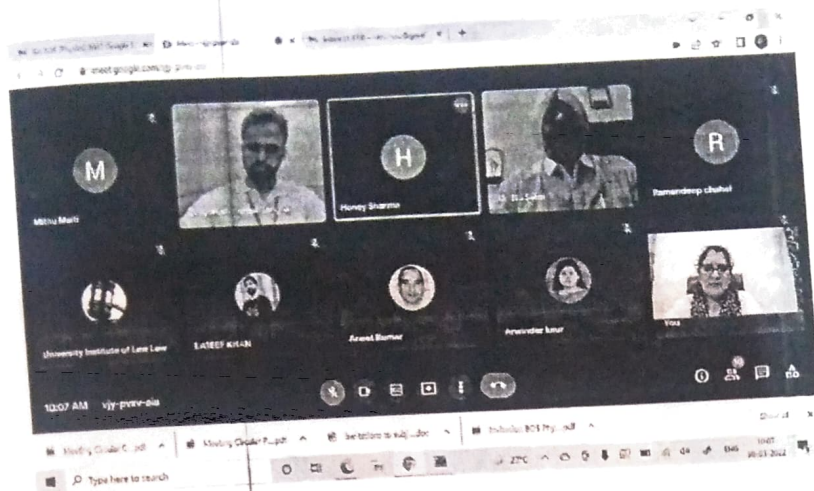
You are requested to kindly spare your valuable time to participate in the same through online mode on 31/03/2022 (Thursday) at 10:00 am onwards.

Regards

  
(Dr. Aneet Kumar)  
Dean Academics  
SBBS University



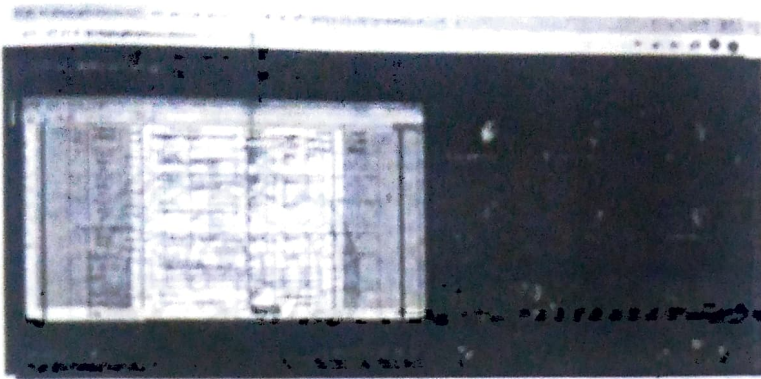
BOS Physics (30/3/2022) 10:00 am onwards



Alshah Shanz  
4/4/2022

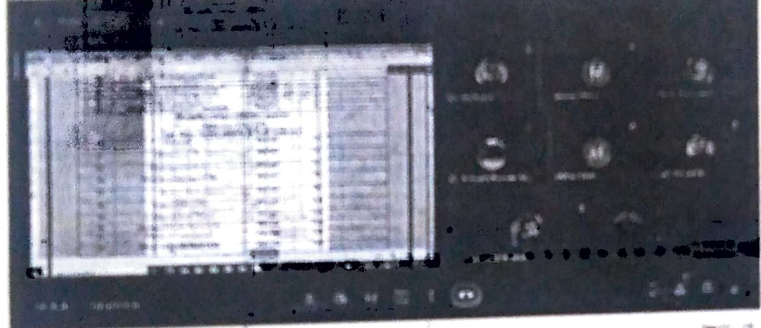






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Meeting Name: [Illegible]



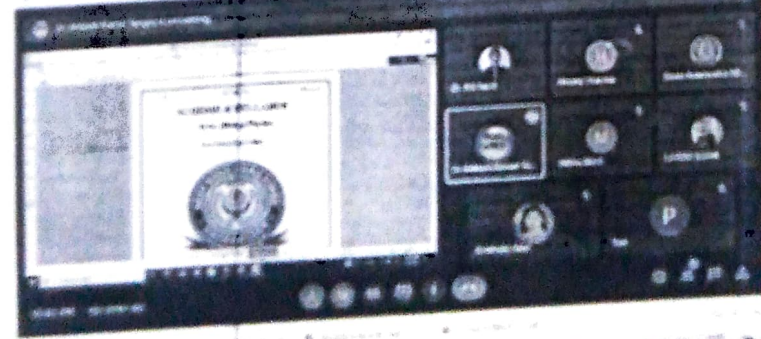
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Meeting ID: 919 888 8888

Meeting Name: [Illegible]

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Dr Ankush Kumar Tangra is presenting

10:34 AM vjy pvvv-als

Meeting Controls: Chat, Raise Hand, Video On/Off, Microphone On/Off, Screen Share, Help

Participants: Dr. NS Saini, Honey Sharma, Dean Academics SB, Dr. Ankush Kumar Ta..., Mithu Meht, LATEEF KHAN, Arvindar kaur, You

Task Information Table:

Task	Due Date	Assignee	Status
Task 1	2022-01-01	Dr. Ankush Kumar Ta...	Completed
Task 2	2022-01-02	Mithu Meht	In Progress
Task 3	2022-01-03	LATEEF KHAN	Pending
Task 4	2022-01-04	Arvindar kaur	Completed
Task 5	2022-01-05	You	In Progress

Windows Taskbar: Meeting Controls, Meeting Controls, Meeting Controls, Meeting Controls, 29°C, 10:34 AM, 20-01-2022

Dr Ankush Kumar Tangra is presenting

10:34 AM vjy pvvv-als

Meeting Controls: Chat, Raise Hand, Video On/Off, Microphone On/Off, Screen Share, Help

Participants: Dr. NS Saini, Honey Sharma, Dean Academics SB, Dr. Ankush Kumar Ta..., Mithu Meht, LATEEF KHAN, Arvindar kaur, You

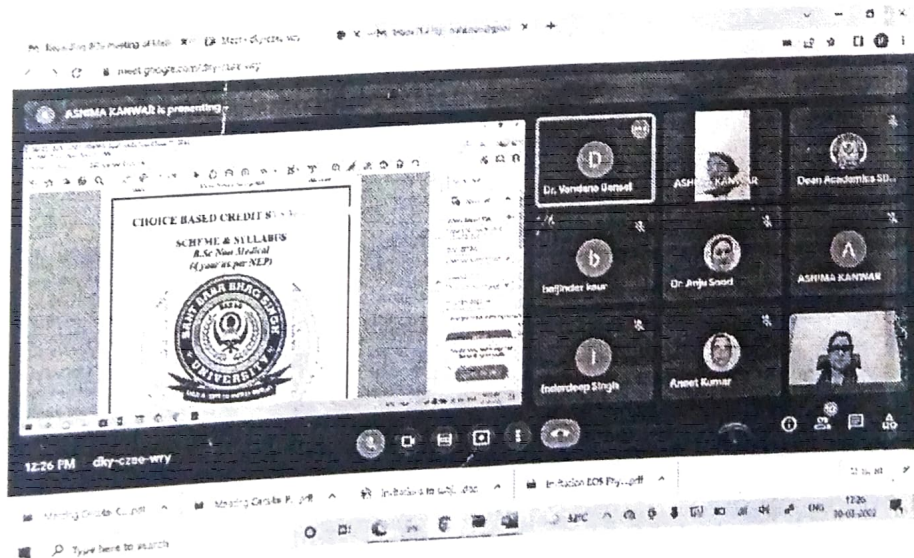
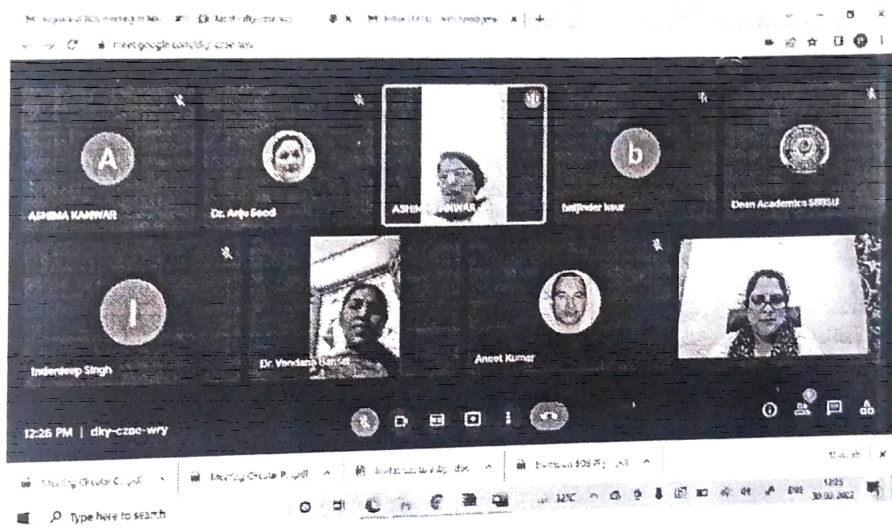
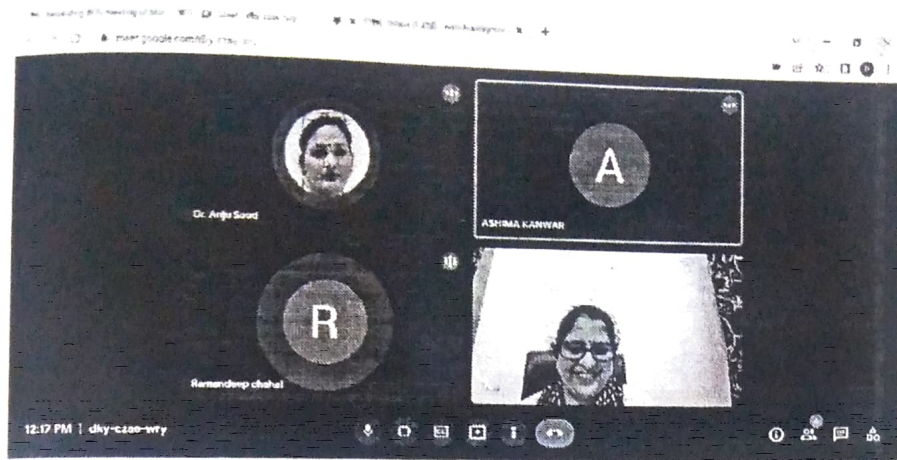
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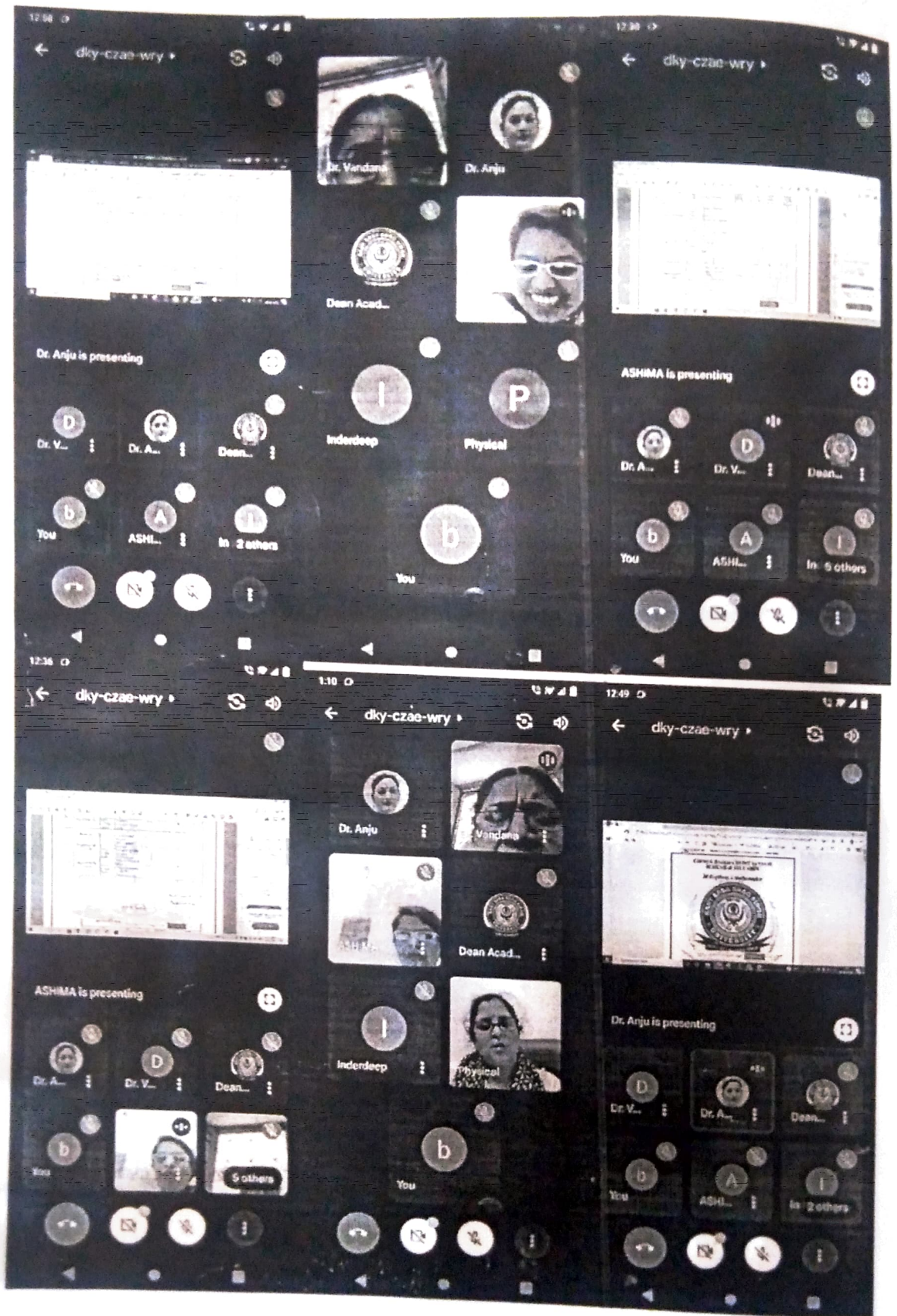
Nishu Sharma  
4/4/2022

# BOS Mathematics (30/3/2022)



verified  
Nisha Sharma  
12/4/2022



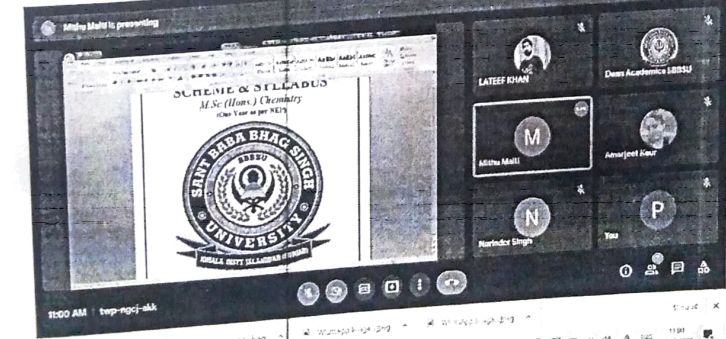
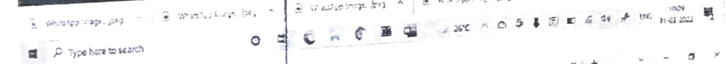
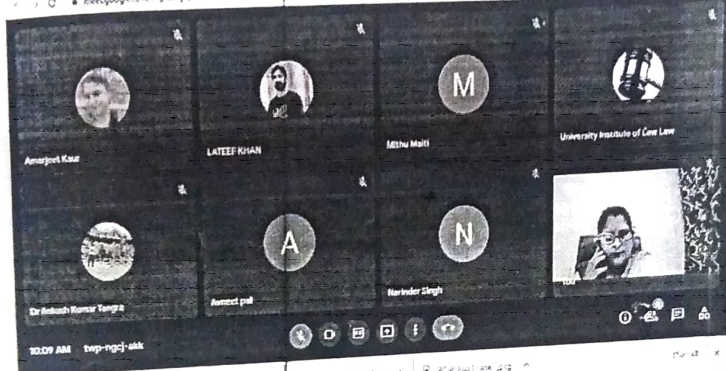
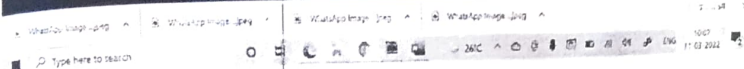
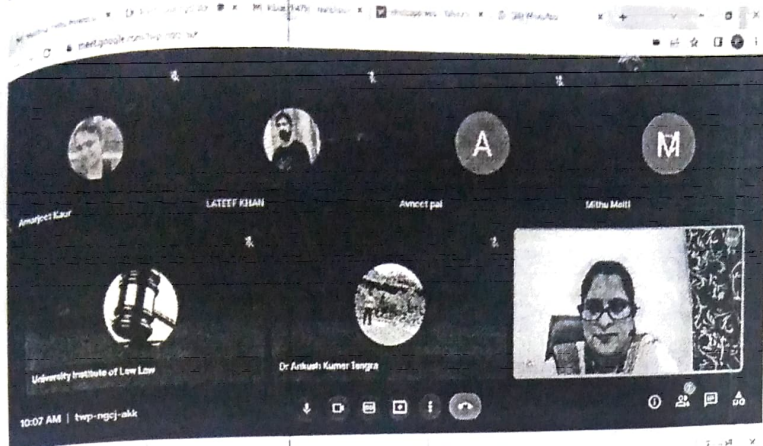


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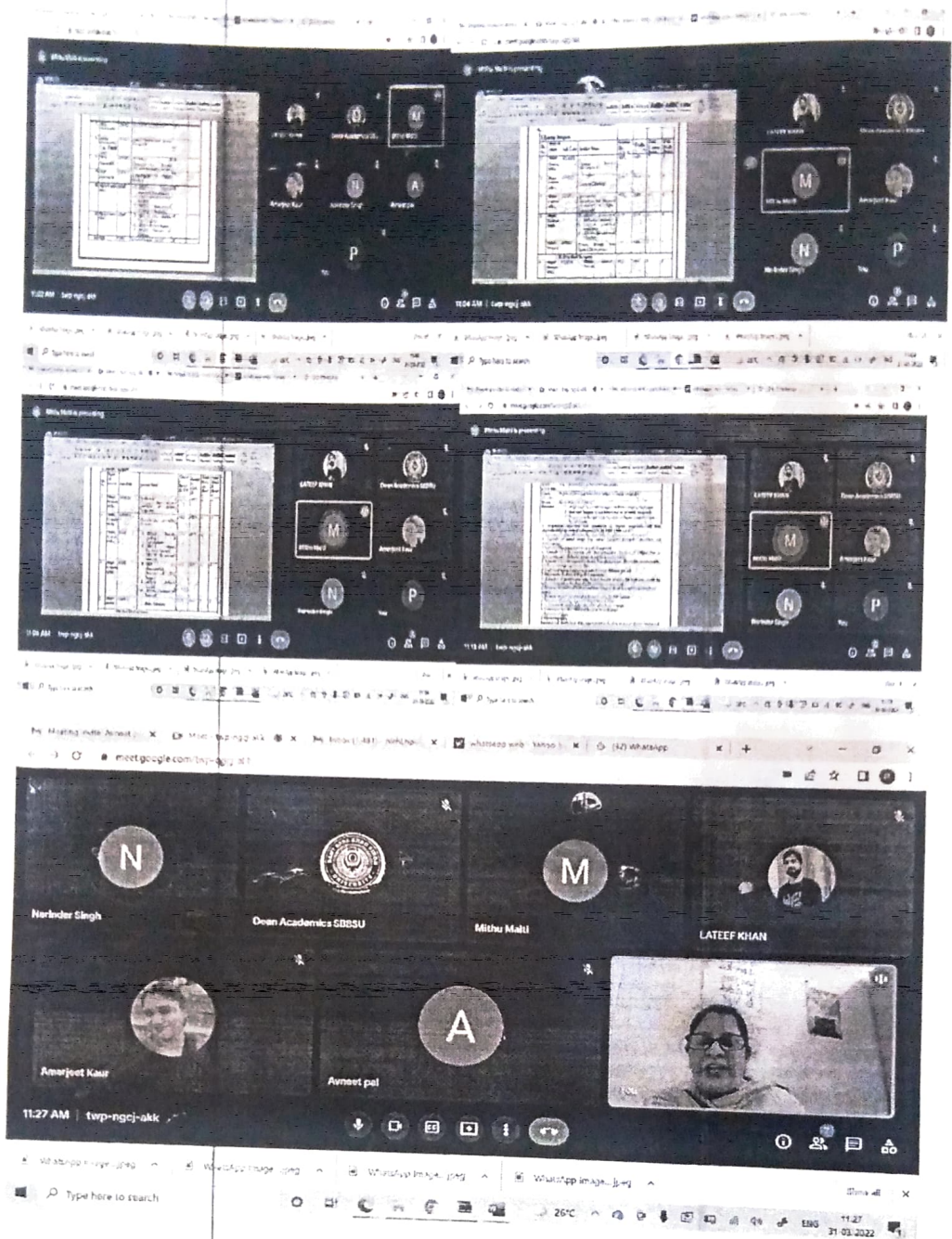
ASHIMA SHARMA  
12/1/2022



# BOS Chemistry (31/3/2022)



Adhishan  
4/4/2022



Nisha Singh  
4/4/2022





# Sant Baba Bhag Singh UNIVERSITY

Village: Khiala: PO: Padhiana, Distt: Jalandhar 144030  
Website: www.sbbsuniversity.ac.in Phone: 0181-2711163 Fax: 0181-2711555

## Department of Physical Sciences

Ref. No. SBBSU/UIS/PS/2022 / 20A

Dated: 17/03/2022

**Proceedings of Departmental Curriculum Development Committee (CDC) for the Revision of Curriculum of UG (B.Sc Non Medical) offered by Department of Physical Sciences from academic session 2022-2023 onwards.**

For curriculum revision, meeting of Departmental Academic/curriculum development committee of Physical Science was held on March 17<sup>th</sup>, 2022 at 3pm in the office of Coordinator, Physical Sciences.

### Agenda of the Meeting:

- Implementation of New Education Policy 2020 in UG (B.Sc Non Medical) Programme offered by Department of Physical Sciences from academic session 2022-2023 onwards as per stakeholder's feedback.
- Proposal of expert's panel for BOS and finalization of schedule for BOS meeting.

The following members have discussed and approved the agenda:-

S.No	Name of Members	Designation	Signature
1.	Dr Nisha Sharma	Coordinator, Physical Sciences	<i>Nisha Sharma</i> 17/3/2022
2.	Dr Mithu Maiti Jana	Associate Professor Chemistry	<i>Mithu Maiti</i> 17/3/2022
3.	Dr Anju Sood	Associate Professor Mathematics	<i>Anju Sood</i> 17/3/2022
4.	Dr Inderdeep Singh	Assistant Professor Mathematics	<i>Inderdeep Singh</i> 17/3/2022
5.	Dr Ashima Kanwar	Assistant Professor Mathematics	<i>Ashima Kanwar</i> 17/3/2022
6.	Dr Honey Sharma	Assistant Professor Physics	<i>Honey Sharma</i> 17/3/2022
7.	Dr Ankush Kumar	Assistant Professor Physics	<i>Ankush Kumar</i> 17/3/2022
8.	Dr Ab Lateef Khan	Assistant Professor Chemistry	<i>Ab Lateef Khan</i> 17/3/2022

**As per the Agenda of the meeting following points were discussed**

S. No.	Agenda Item	Points of Discussion	Action Taken
1.	Feedback of stakeholder's	Discussion on feedback on curriculum of UG and PG programmes has been received from different stakeholders (students, teachers, alumni, employers) and have been analysed	
2.	Implementation of New Education Policy 2020 in B.Sc Non Medical	a) New education policy 2020 has to be implemented in UG (BSc Non Medical) Programmes offered by Department of Physical Sciences from academic session 2022-2023 onwards.	All the CDC members were assigned duties in this





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	programmes.	<ul style="list-style-type: none"><li>b) As per NEP, course curriculum for 4 year B.Sc Non medical has to be framed.</li><li>c) 6 semester of B.Sc Non Medical 4 year (UG045) has to be maintained equivalent to three year B.Sc Non Medical (UG031) programme as per CBCS) and with minor changes by introduction of some discipline specific and skill based courses.</li><li>d) As per NEP 2020, research component has to be incorporated in 4<sup>th</sup> year of undergraduate programme.</li><li>e) Course codes, Course content for skill based courses and major courses has been discussed.</li><li>f) Credits and contact hours for UG research has been discussed.</li><li>g) Addition of Discipline Specific Elective (DSE) and Skill Enhancement (SEC) courses have been finalized on the basis of recent research areas and recent advancements.</li><li>h) The suggestions of subject teachers regarding syllabus revision to be implemented from next academic year has also been discussed.</li></ul>	regard
3.	Date and schedule for Board of Studies Meeting	<ul style="list-style-type: none"><li>a) The meeting of Board of Studies for approval and implementation of NEP 2020 and revision of syllabus has to be conducted in coming week.</li><li>b) Expert panel for the discipline of Chemistry, Physics and Mathematics have been proposed and finalized.</li><li>c) The Date of BOS meeting was proposed and will be finalized based on approval and availability of Experts.</li></ul>	

*Shikha*  
17/3/2022  
Coordinator  
Physical Sciences