



Office of the Registrar

No.: SGTU/Acad./18/2021/2316

Dated: 04<sup>th</sup> May, 2021

To,

The Dean,  
Faculty of Science,  
SGT University, Budhera

**Subject: Approval of the minutes of the Board of Studies.**

Sir,

The Academic council in its 26<sup>th</sup> meeting held on 26<sup>th</sup> December, 2020 vide Agenda item No. 26.33 has considered and approved the minutes of the Board of Studies held on 21<sup>st</sup> and 25<sup>th</sup> November, 2020.

This is for your information and further necessary action.

*[Signature]*  
5/5/21  
Registrar

Received  
*[Signature]*  
5/5/21

Registrar  
SGT University  
Budhera, Gurugram





## Faculty of Science

Ref. No.: SGTU/FOSC/2020-21/ 667(B)

Dated: 21-11-2020

### BOS Proceedings

The meeting of Board of Studies, Department of Physics, Faculty of Science was held on 21<sup>st</sup> November, 2020 at 10:30 A.M. to approve the below given agenda points:

1. **Proposed Ordinance, Program Structure, Scheme of Study, Curriculum and Syllabus of M.Sc. (Physics) to be implemented for 2020-21 batch students.**
2. Proposed Ordinance, Program Structure, Scheme of Study, Curriculum and Syllabus (Physics) of B.Sc. (Non-Medical/Medical) to be implemented for 2020-21 batch students.
3. To approve the revised Examination/Assignment/ Question paper setting guidelines for 2018-19 and 2019-20, UG and PG students.
4. To approve the proposed list of external examiners (Physics) for conducting the end term practical examinations of UG and PG students.

The following BOS committee members were present:

S. No	Name & Address	Designation	Signature
1	<b>Dr. Ram Chhavi Sharma</b> Professor & HOD Department of Physics	Chairman	
2	<b>Dr. Binay Kumar</b> Professor Department of Physics & Astrophysics University of Delhi -110007	Member (External)	
3	<b>Dr. Mukesh Kumar</b> Assistant Professor Department of Physics	Member (Internal)	
4	<b>Dr. Sunanda</b> Assistant Professor Department of Physics	Member (Internal)	
5	<b>Dr. Lakhwinder Singh</b> Professor & Dean Faculty of Science, SGT University	Member (Internal, Other Department)	

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The proposed agenda items have been revised and updated as per the BOS Committee recommendations,

**Agenda 1:** To consider and approve the Ordinance, Program Structure, Scheme of Study, Curriculum and Syllabus of M.Sc. (Physics) (2 Years) program as per Choice Based Credit System (CBCS). (2020-21 Batch onwards)

- As per the new scheme of study the credits of MSc (Physics) program will be 91 credits, the minimum credits required to award the degree will be 82 credits.
- The curriculum and syllabus are designed in such a way that all the courses are having 4 units irrespective of the credits.
- Maximum marks for the evaluation of each course will be 100 marks irrespective of the credits.
- The ratio of Formative and Summative assessment will be 40:60 in theory subjects whereas 60:40 in case of practical subjects.
- The component of 4 weeks Summer Training introduced after the second semester.
- A full fourth semester Project Work of 20 credits has been introduced to enhance the research skills of the students.
- Online MOOC courses of 9 credits have been incorporated in the program structure to enhance the self-learning of student.

**Considered and Approved (Annexure I)**

✓ *[Signatures]*

**Agenda 2:** To consider and approve the Ordinance, Program Structure, Scheme of Study, Curriculum and Syllabus (Physics) of B.Sc. (Non- Medical/Medical) (3 Years) program as per Choice Based Credit System (CBCS). (2020-21 Batch onwards)

- As per the new scheme of study the credits of BSc (Non-Medical/Medical) program will be 138 credits, the minimum credits required to award the degree will be 132 credits.
- The curriculum and syllabus are designed in such a way that all the courses are having 4 units irrespective of the credits.
- Maximum marks for the evaluation of each course will be 100 marks irrespective of the credits.
- The ratio of Formative and Summative assessment will be 40:60 in theory subjects whereas 60:40 in case of practical subjects.
- The student may opt project work of 6 credits in lieu of any one discipline specific elective course in the VI semester.

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- Online MOOC courses of 12 credits have been incorporated in the program structure to enhance the self-learning of student.
- As per the suggestion of the expert, two courses Digital and Analog Electronic Circuits and Instrumentation (code-09010532) and Digital and Analog Electronic Circuits and Instrumentation Lab (code-09010533) have been added in V semester as DSE Course for B.Sc. Non-Medical (3 Years) programme (2018-19 Batch).

**Considered and Approved (Annexure II)**

✓ *Jalv* *MK* *hch* *Resup* *R*

**Agenda 3:** To consider and approve the revised Examination/Assignment/ Question paper setting guidelines for 2018-19 and 2019-20, UG and PG students.

**Considered and Approved (Annexure III)**

✓ *Jalv* *MK* *hch* *Resup* *R*

**Agenda 4:** To consider and approve the list of examiners for conducting the end term practical examinations of UG and PG students.

**Considered and Approved (Annexure IV)**

✓ *Jalv* *MK* *hch* *Resup* *R*

The meeting ended with a vote of thanks by the chairman.

*Resup*  
**Dr. Ram Chhavi Sharma**  
Chairman

*Mukesh*  
**Dr. Mukesh Kumar**  
Member (Internal)

*R*  
**Dr. Binay Kumar**  
Member (External)

*hch*  
**Dr. Sunanda**  
Member Internal

*Jalv* *21/11/2020*  
**Dr. Lakhwinder Singh**  
Member (Internal)

*[Signature]*  
**Registrar**  
SGT University  
Budhera, Gurugram





## Faculty of Science

Ref. No.: SGTU/FOSC/2020-21/ 667 (A)

Dated: 21-11-2020

### BOS Proceedings

The meeting of Board of Studies, Department of Chemistry, Faculty of Science was held on 21<sup>st</sup> November, 2020 at 10:30 A.M. to approve the below given agenda points:

1. **Proposed Ordinance, Program Structure, Scheme of Study, Curriculum and Syllabus of M.Sc. (Chemistry) to be implemented for 2020-21 batch students.**
2. Proposed Ordinance, Program Structure, Scheme of Study, Curriculum and Syllabus (Chemistry) of B.Sc. (Non-Medical/Medical) to be implemented for 2020-21 batch students.
3. To approve the revised Examination/Assignment/ Question paper setting guidelines for 2018-19 and 2019-20, UG and PG students.
4. To approve the proposed list of external examiners (Chemistry) for conducting the end term practical examinations of UG and PG students.

The following BOS committee members were present:

S. No	Name & Address	Designation	Signature
1	<b>Mr. Anjaneyulu Bendi</b> Assistant Professor & HOD Department of Chemistry	Chairman	
2	<b>Dr. Rita Kakkar</b> Professor Department of Chemistry University of Delhi-110007	Member (External)	
3	<b>Dr. Lakhwinder Singh</b> Professor Department of Chemistry	Member (Internal)	
4	<b>Dr. Kamlesh Sharma</b> Associate Professor Department of Chemistry	Member (Internal)	
5	<b>Dr. Abhishek Swami</b> Associate Professor & HOD Department of Environmental Science	Member (Internal, Other Department)	

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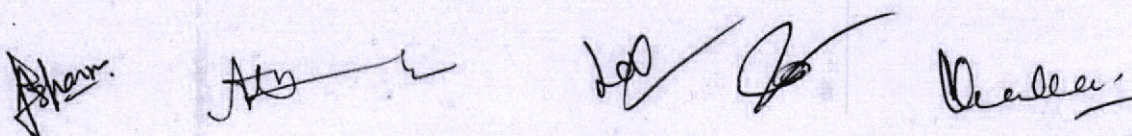


The proposed agenda items have been revised and updated as per the BOS Committee recommendations,

**Agenda 1: To consider and approve the Ordinance, Program Structure, Scheme of Study, Curriculum and Syllabus of M.Sc. (Chemistry) (2 Years) program as per Choice Based Credit System (CBCS). (2020-21 Batch onwards)**

- As per the new scheme of study the credits of MSc (Chemistry) program will be 91 credits, the minimum credits required to award the degree will be 82 credits.
- The curriculum and syllabus is designed in such a way that all the courses are having 4 units irrespective of the credits.
- Maximum marks for the evaluation of each course will be 100 marks irrespective of the credits.
- The ratio of Formative and Summative assessment will be 40:60 in theory subjects whereas 60:40 in case of practical subjects.
- The component of a 4 weeks Summer Training introduced after the second semester.
- A full fourth semester Project Work of 20 credits has been introduced to enhance the research skills of the students.
- Online MOOC courses of 9 credits have been incorporated in the program structure to enhance the self-learning of student.

**Considered and Approved (Annexure I)**



**Agenda 2: To consider and approve the Ordinance, Program Structure, Scheme of Study, Curriculum and Syllabus (Chemistry) of B.Sc. (Non- Medical/Medical) (3 Years) program as per Choice Based Credit System (CBCS). (2020-21 Batch onwards)**

- As per the new scheme of study the credits of BSc (Non-Medical/Medical) program will be 138 credits, the minimum credits required to award the degree will be 132 credits.
- The curriculum and syllabus is designed in such a way that all the courses are having 4 units irrespective of the credits.
- Maximum marks for the evaluation of each course will be 100 marks irrespective of the credits.
- The ratio of Formative and Summative assessment will be 40:60 in theory subjects whereas 60:40 in case of practical subjects.
- The student may opt project work of 6 credits in lieu of any one discipline specific elective course in the VI semester.



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- Online MOOC courses of 12 credits have been incorporated in the program structure to enhance the self-learning of student.

Considered and Approved (Annexure II)

*Signature* *Signature* *Lab* *Signature* *Signature*

**Agenda 3:** To consider and approve the revised Examination/Assignment/ Question paper setting guidelines for 2018-19 and 2019-20, UG and PG students.

Considered and Approved (Annexure III)

*Signature* *Signature* *Lab* *Signature* *Signature*

**Agenda 4:** To consider and approve the list of examiners for conducting the end term practical examinations of UG and PG students.

Considered and Approved (Annexure IV)

*Signature* *Signature* *Lab* *Signature* *Signature*

The meeting ended with a vote of thanks by the chairman.

*Signature*  
**Mr. Anjaneyulu Bendi**  
Chairman

*Signature*  
**Dr. Rita Kakkar**  
Member (External)

*Signature* 25/11/2020  
**Dr. Lakhinder Singh**  
Member (Internal)

*Signature*  
**Dr. Kamlesh Sharma**  
Member (Internal)

*Signature*  
**Dr. Abhishek Swami**  
Member (Internal)

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**SGT University**  
Budhera, Gurugram





## Faculty of Science

Ref. No.: SGTU/FOSC/2020-21/667(c)

Dated: 21-11-2020

### BOS Proceedings

The meeting of Board of Studies, Department of Mathematics, Faculty of Science was held on 21<sup>st</sup> November, 2020 at 1:00 P.M. to approve the below given agenda points:

1. Proposed Ordinance, Program Structure, Scheme of Study, Curriculum and Syllabus of M.Sc. (Mathematics) to be implemented for 2020-21 batch students.
2. Proposed Ordinance, Program Structure, Scheme of Study, Curriculum and Syllabus (Mathematics) of B.Sc. (Non-Medical/Medical) to be implemented for 2020-21 batch students.
3. To approve the revised Examination/Assignment/ Question paper setting guidelines for 2018-19 and 2019-20, UG and PG students.
4. To approve the proposed list of external examiners (Mathematics) for conducting the end term practical examinations of UG and PG students.

The following BOS committee members were present:

S. No	Name & Address	Designation	Signature
1	<b>Dr. Pradeep Malik</b> Associate Professor & HOD Department of Mathematics	Chairman	
2	<b>Dr. Anjana Gupta</b> Professor Department of Applied Mathematics Delhi Technical University, Delhi-110042	Member (External)	
3	<b>Mr. Mohammad Asim</b> Assistant Professor Department of Mathematics	Member (Internal)	
4	<b>Dr. Lakhwinder Singh</b> Professor Department of Chemistry	Member (Internal, Other Department)	

The proposed agenda items have been revised and updated as per the BOS Committee recommendations,

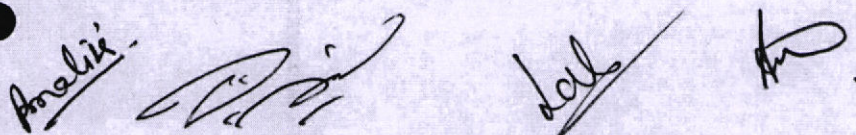
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Budhera, Gurugram



**Agenda 1: To consider and approve the Ordinance, Program Structure, Scheme of Study, Curriculum and Syllabus of M.Sc. (Mathematics) (2 Years) program as per Choice Based Credit System (CBCS) (2020-21 Batch onwards).**

- As per the new scheme of study the credits of MSc (Mathematics) program will be 91 credits, the minimum credits required to award the degree will be 82 credits.
- The curriculum and syllabus is designed in such a way that all the courses are having 4 units irrespective of the credits.
- Maximum marks for the evaluation of each course will be 100 marks irrespective of the credits.
- The ratio of Formative and Summative assessment will be 40:60 in theory subjects whereas 60:40 in case of practical subjects.
- The component of a 4 weeks Summer Training introduced after the second semester.
- A full fourth semester Project Work of 20 credits has been introduced to enhance the research skills of the students.
- Online MOOC courses of 9 credits have been incorporated in the program structure to enhance the self-learning of student.
- As per the suggestion of respectable external member, we have added the course: Mathematical Modelling and Simulation in place of Commutative Algebra as Discipline Specific Elective Course (DSEC 1) in 3<sup>rd</sup> semester.
- As per the suggestion of respectable external member, we incorporated some contents related to Number Theory in the course of Cryptography as Discipline Specific Elective Course (DSEC 3) in 3<sup>rd</sup> semester.

**Considered and Approved (Annexure I)**



**Agenda 2: To consider and approve the Ordinance, Program Structure, Scheme of Study, Curriculum and Syllabus (Mathematics) of B.Sc. (Non- Medical/Medical) (3 Years) program as per Choice Based Credit System (CBCS) (2020-21 Batch onwards).**

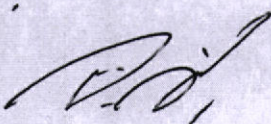

- As per the new scheme of study the credits of BSc (Non-Medical/Medical) program will be 138 credits, the minimum credits required to award the degree will be 132 credits.
- The curriculum and syllabus is designed in such a way that all the courses are having 4 units irrespective of the credits.
- Maximum marks for the evaluation of each course will be 100 marks irrespective of the credits.
- The ratio of Formative and Summative assessment will be 40:60 in theory subjects whereas 60:40 in case of practical subjects.

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**SGT University**  
**Bachhara, Gurugram**



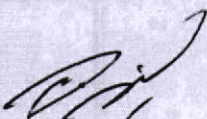

- The student may opt project work of 6 credits in lieu of any one discipline specific elective course in the VI semester.
- Online MOOC courses of 12 credits have been incorporated in the program structure to enhance the self-learning of student.
- As per the suggestion of respectable external member, we interchanged the course of Integral Calculus and Integral Calculus Lab (VI-semester, DEC) with Discrete Mathematics and Discrete Mathematics Lab (V-semester, DEC).

**Considered and Approved (Annexure II)**

*Amalix*  *Lab* 

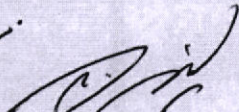

**Agenda 3:** To consider and approve the revised Examination/Assignment/ Question paper setting guidelines for 2018-19 and 2019-20, UG and PG students.

**Considered and Approved (Annexure III)**

*Amalix*  *Lab* 

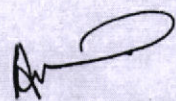
**Agenda 4:** To consider and approve the list of examiners for conducting the end term practical examinations of UG and PG students.

**Considered and Approved (Annexure IV)**

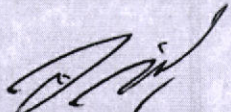
*Amalix*  *Lab* 

The meeting ended with a vote of thanks by the chairman.

*Amalix*  
21/11/2020  
**Dr. Pradeep Malik**  
Chairman

  
**Dr. Anjana Gupta**  
Member (External)

*Lab*  
21/11/2020  
**Dr. Lakhwinder Singh**  
Member (Internal)

  
**Mr. Mohammad Asim**  
Member (Internal)

  
**Registrar**  
SGT University  
Budhera, Gurugram





## Faculty of Science

Ref.No.: SGTU/FOSC/2020-21/ 667 (E)

Dated: 21-11-2020

### BOS Proceedings

The meeting of Board of Studies, Department of Environmental Science, Faculty of Science was held on 21<sup>st</sup> November, 2020 at 12:00 P.M. to approve the below given agenda points:

1. **Proposed Ordinance, Program Structure, Scheme of Study, Curriculum and Syllabus of M.Sc. (Environmental Science) to be implemented for 2020-21 batch students.**
2. To approve the revised Examination/Assignment/ Question paper setting guidelines for 2018-19 and 2019-20 of PG students.
3. To approve the proposed list of external examiners (Environmental Science) for conducting the end term practical examinations of PG students.

The following BOS committee members were present:

S.No	Name & Address	Designation	Signature
1	<b>Dr. Abhishek Swami</b> Associate Professor & HOD Department of Environmental Science	Chairman	
2	<b>Dr. Rajesh Dhankar</b> Professor Department of Environmental Sciences and Life Sciences MDU Rohtak	Member (External)	
3	<b>Dr. Vikram Mor</b> Assistant Professor Department of Environmental Science	Member (Internal)	
4	<b>Dr. Simranjeet Singh</b> Assistant Professor Department of Environmental Science	Member (Internal)	
5	<b>Dr. Lakhwinder Singh</b> Professor Department of Chemistry	Member (Internal, Other Department)	

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Bachhara, Gurugram

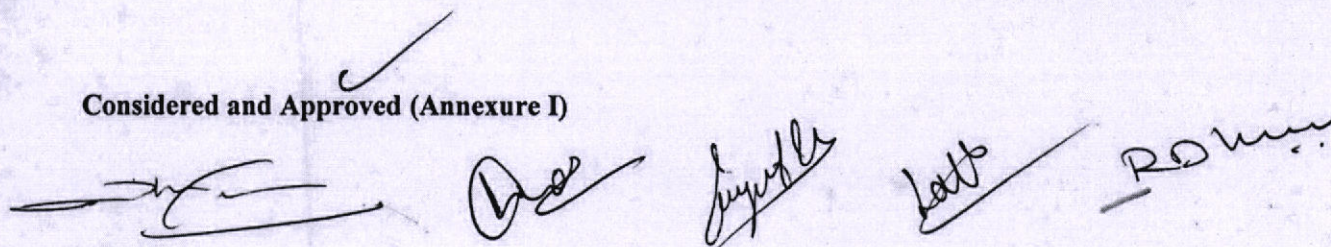


The proposed agenda items have been revised and updated as per the BOS Committee recommendations,

**Agenda 1:** To consider and approve the Ordinance, Program Structure, Scheme of Study, Curriculum and Syllabus of M.Sc. (Environmental Science) (2 Years) program as per Choice Based Credit System (CBCS). (2020-21 Batch onwards)

- As per the new scheme of study the credits of M.Sc (Environmental Science) program will be 91 credits, the minimum credits required to award the degree will be 82 credits.
- The curriculum and syllabus is designed in such a way that all the courses are having 4 units irrespective of the credits.
- Maximum marks for the evaluation of each course will be 100 marks irrespective of the credits.
- The ratio of Formative and Summative assessment will be 40:60 in theory subjects whereas 60:40 in case of practical subjects.
- The component of a 4 weeks Summer Training introduced after the second semester.
- A full fourth semester Project Work of 20 credits has been introduced to enhance the research skills of the students.
- Online MOOC courses of 9 credits have been incorporated in the program structure to enhance the self-learning of student.
- Changes in the course of Environmental Geology and Natural resource, Environmental Toxicology.
- Addition of Environmental models for the preparation of NET Examination
- Experiments of estimation of organic and inorganic carbon content in water and soil samples were added in the course of Water Chemistry and Pollution and Soil Chemistry and Solid waste management.
- Courses of Disaster Management and Occupational Health and Safety offered by department of Environmental Science in University Basket as an open elective.

Considered and Approved (Annexure I)



**Agenda 2:** To consider and approve the revised Examination/Assignment/ Question paper setting guidelines for 2018-19 and 2019-20, PG students.

Registrar  
CGT University  
Chennai



Considered and Approved (Annexure II)

**Agenda 3:** To consider and approve the list of examiners for conducting the end term practical examinations of PG students.

Considered and Approved (Annexure III)

The meeting ended with a vote of thanks by the chairman.

**Dr Abhishek Swami**  
Chairman

**Dr. Rajesh Dhankar**  
Member (External)

**Dr. Vikram Mor**  
Member (Internal)

**Dr. Simranjeet Singh**  
Member (Internal)

**Dr. Lakhwinder Singh**  
Member (Internal, Other Department)

**Registrar**  
SGT University  
Budhara, Gurugram





## Faculty of Science

Ref.No.: SGTU/FOSC/2020-21/ 667(F)

Dated: 25-11-2020

### BOS Proceedings

The meeting of Board of Studies, Department of Forensic Science, Faculty of Science was held on 25<sup>th</sup> November, 2020 at 11:00 A.M. to approve the below given agenda points:

1. **Proposed Ordinance, Program Structure, Scheme of Study, Curriculum and Syllabus of M.Sc. (Forensic Science) to be implemented for 2020-21 batch students.**
2. Proposed Ordinance, Program Structure, Scheme of Study, Curriculum and Syllabus of B.Sc. (H) Forensic Science to be implemented for 2020-21 batch students.
3. To approve the revised Examination/Assignment/ Question paper setting guidelines for 2018-19 and 2019-20, UG and PG students.
4. To approve the proposed list of external examiners (Forensic Science) for conducting the end term practical examinations of UG and PG students.

The following BOS committee members were present:

S.No	Name & Address	Designation	Signature
1	<b>Ms. Mandeep Kaur Purba</b> Assistant Professor & HOD Department of Forensic Science	Chairman	
2	<b>Dr. Asha Srivastava</b> Principle Scientific Officer CFSL, CBI, New Delhi-110003	Member (External)	
3	<b>Dr. Rajinder Singh Dangi</b> Professor Department of Forensic Science	Member (Internal)	
4	<b>Dr. Bhoopesh Sharma</b> Associate Professor Department of Forensic Science	Member (Internal)	
5	<b>Dr. Lakhwinder Singh</b> Professor & Dean	Member (Internal, Other Department)	

Registrar  
SGTU University  
Bhadrachalam  
Gurugram



The proposed agenda items have been revised and updated as per the BOS Committee recommendations,

**Agenda 1: To consider and approve the Ordinance, Program Structure, Scheme of Study, Curriculum and Syllabus of M.Sc. (Forensic Science) (2 Years) program as per Choice Based Credit System (CBCS). (2020-21 Batch onwards)**

- As per the new scheme of study the credits of MSc (Forensic Science) program will be 97 credits, the minimum credits required to award the degree will be 87 credits.
- The curriculum and syllabus is designed in such a way that all the courses are having 4 units irrespective of the credits.
- Maximum marks for the evaluation of each course will be 100 marks irrespective of the credits.
- The ratio of Formative and Summative assessment will be 40:60 in theory subjects whereas 60:40 in case of practical subjects.
- The component of a 4 weeks Summer Training introduced after the second semester.
- A full fourth semester Project Work of 20 credits has been introduced to enhance the research skills of the students.
- Online MOOC courses of 9 credits have been incorporated in the program structure to enhance the self-learning of student.

Considered and Approved (Annexure I)

*[Signature]*

*[Signature]*

*[Signature]*

*[Signature]*

*Asha Srivastava*

**Agenda 2: To consider and approve the Ordinance, Program Structure, Scheme of Study, Curriculum and Syllabus of B.Sc. (H) Forensic Science (3 Years) program as per Choice Based Credit System (CBCS). (2020-21 Batch onwards)**

- As per the new scheme of study the credits of BSc (H) Forensic Science program will be 160 credits, the minimum credits required to award the degree will be 148 credits.
- The curriculum and syllabus is designed in such a way that all the courses are having 4 units irrespective of the credits.
- Maximum marks for the evaluation of each course will be 100 marks irrespective of the credits.
- The ratio of Formative and Summative assessment will be 40:60 in theory subjects whereas 60:40 in case of practical subjects.
- The student may opt project work of 6 credits in lieu of any one discipline specific elective course in the VI semester.

**Registrar**  
**SGT University**  
**Budheta, Gurugram**



- Online MOOC courses of 12 credits have been incorporated in the program structure to enhance the self-learning of student.

✓  
**Considered and Approved (Annexure II)**

*[Signature]*

*[Signature]*

*[Signature]*

*[Signature]*

*Asha Srivastava*

**Agenda 3:** To consider and approve the revised Examination/Assignment/ Question paper setting guidelines for 2018-19 and 2019-20, UG and PG students.

✓  
**Considered and Approved (Annexure III)**

*[Signature]*

*[Signature]*

*[Signature]*

*[Signature]*

*Asha Srivastava*

**Agenda 4:** To consider and approve the list of examiners for conducting the end term practical examinations of UG and PG students.

✓  
**Considered and Approved (Annexure IV)**

*[Signature]*

*[Signature]*

*[Signature]*

*[Signature]*

*Asha Srivastava*

The meeting ended with a vote of thanks by the chairman.

*[Signature]*  
**Ms. Mandeep Kaur Purba**  
Chairman

*Asha Srivastava*  
**Dr. Asha Srivastava**  
Member (External)

*[Signature]*  
**Dr. Rajinder Singh Dangi**  
Member (Internal)

*[Signature]*  
**Dr. Bhoopesh Sharma**  
Member (Internal)

*[Signature]*  
**Dr. Lakshinder Singh**  
Member (Internal)

**Registrar**  
**SGT University**  
**Budhera, Gurugram**