

Dr. N.G.P. ARTS AND SCIENCE COLLEGE

(An Autonomous Institution, Affiliated to Bharathiar University, Coimbatore)
Approved by Government of Tamil Nadu & Accredited by NAAC with 'A' Grade (2nd Cycle)
Dr. N.G.P.-Kalapatti Road, Coimbatore-641 048, Tamil Nadu, India.
Website: www.drngpasc.ac.in | Email: info@drngpasc.ac.in. | Phone: +91-422-2369100

BoS

7th

MINUTES OF THE SEVENTH BOARD OF STUDIES MEETING

Faculty: Basic and Applied Science

Board: Chemistry

The Meeting of Board of Studies (BoS) was held as given below:

Name of the Body	BoS
Department	Chemistry
Meeting No.	7
Date and Time	16.05.2020, 2.30 p.m.
Venue	Google Meet, code - vir-qkdc-mda
Members Attended	The details are given in the ANNEXURE -I-

AGENDA

1	Discussion on syllabus for Third Semester of B.Sc. Chemistry Batch: 2019 – 20
2	Discussion on syllabus for First Semester of B.Sc. Chemistry Batch: 2020 – 21
3	Discussion on Inter Disciplinary Course Syllabus for Third Semester of B.Sc. Chemistry Batch: 2019 – 20
4	Discussion on Inter Disciplinary Course Syllabus for First Semester of B.Sc. Chemistry Batch: 2020 – 21
5	Discussion on syllabus for Third Semester of M.Sc. Chemistry Batch: 2019 – 20
6	Discussion on syllabus and Curriculum for First Semester of M.Sc. Chemistry Batch: 2020 – 21
7	Discussion on Job Oriented Certificate Programme
8	Any other matters





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MINUTES OF THE SEVENTH BOARD OF STUDIES MEETING

Faculty: Basic and Applied Science

Board: Chemistry

The Chairman of BoS welcomed all the Panel members for the meeting. The items listed in the agenda were taken for discussion.

The following are the minutes of the meeting:

Item - 01	Discussion on syllabus for Third Semester of B.Sc. Chemistry Batch: 2019 – 20.
Discussion	<p>The content of the course of Third Semester of B.Sc. Chemistry Batch: 2019 - 20 were discussed by the board.</p> <p>192CE1A3CA - General Chemistry – III 192CE1A3CB - General Chemistry – IV 192CE1A3SA – Water Chemistry 192CE1A3CP - Inorganic Analysis 192CE1A3GA - Chemistry in Daily life – I</p> <p>192CE1A3CA - General Chemistry – III</p> <ul style="list-style-type: none">In Unit II – Dr. Muthusamy and Prof. Nagarajan were suggested to change the topic from Group discussion of group to physical properties of group and suggested to add the topic catenation in carbon group.In Unit IV –Dr. Muthusamy and Prof. Nagarajan suggested to add the topic Elimination reactions (E1 & E2), comparison of alkyl and aryl halides towards nucleophilic substitution reactions.Prof Nagarajan suggested to add reference book Jain. M.K and Sharma. S.C, "Modern Organic Chemistry. <p>192CE1A3CB - General Chemistry – IV</p> <ul style="list-style-type: none">In Unit III – Board members were suggested to add the topic specific preparations of alcohols, classification of alcohols and distinguish different types of alcohols.In Unit IV – Board members were suggested to rename the heading of Aldehyde & Ketone as Aliphatic carbonyl compounds.In Unit V - Board members were suggested to add the topic electrical double layer, electrophoresis and zeta potential.

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	<p>192CE1A3SA – Water Chemistry</p> <ul style="list-style-type: none">• Board members were suggested to change the SEC course content and title of Water Chemistry to Water and Food Quality Analysis.• As per the suggestion from the Board members the course content has been changed. <p>192CE1A3GA - Chemistry in Daily life – I</p> <ul style="list-style-type: none">• Dr. Muthusamy suggested to add the topics like polymers, cosmetics and household products.
Resolution	The board resolved to approve syllabus for third Semester of B. Sc. Chemistry Batch: 2019-20.
Item - 02	Discussion on syllabus for First Semester of B.Sc. Chemistry Batch: 2020 – 21
Discussion	The content of the course of 192CE1A1CA/ General Chemistry - I, 192CE1A1CP/ Volumetric Analysis and Preparation of Inorganic Complexes were discussed by the board.
Resolution	The Board confirmed to approve first Semester Syllabus of B. Sc. Chemistry Batch: 2020-21.
Item – 03	Discussion on Inter Disciplinary Course Syllabus for Third Semester of B.Sc. Chemistry Batch: 2019 – 20
Discussion	The board discussed the Syllabus for IDC, 192MT1A3IA / Mathematics - I
Resolution	The board unanimously approved the syllabus for IDC Third Semester of B.Sc. Chemistry Batch: 2019 – 20.
Item – 04	Discussion on Inter Disciplinary Course Syllabus for First Semester of B.Sc. Chemistry Batch: 2020 – 21
Discussion	The board discussed the Syllabus for 192PY1A1IA/ Properties of Matter, Thermal Physics and Optics , 202PY1A1IP/ IDC PRACTICAL : Physics – I
Resolution	The Board resolved to approve the First Semester Syllabus for IDC of B.Sc. Chemistry Batch Batch: 2020-21.
Item – 05	Discussion on syllabus for Third Semester of M.Sc. Chemistry Batch: 2019 – 20
Discussion	The content of the course of Third Semester of M.Sc. Chemistry Batch: 2019 -20 were discussed by the board. 192CE2A3CA/ Natural Products and Pericyclic Reactions 192CE2A3CB / Organometallic Chemistry 192CE2A3CC / Advanced Spectroscopy 192CE2A3CD / Research Methodology 192CE2A3CP / Inorganic Chemistry – II 192CE2A3CQ / Physical Chemistry - II 192CE2A3DA / Industrial Chemistry 192CE2A3DB / Inorganic Rings, Cages and Clusters 192CE2A3DC / Organic Reactions and Reagents

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	<p>192CE2A3CA/ Natural Products and Pericyclic Reactions</p> <ul style="list-style-type: none">• Prof. Nagarajan suggested to rename the course title to The Chemistry of Natural Products• Unit IV - Prof. Nagarajan suggested to add the topics primary, secondary, tertiary, quaternary structures of proteins, genetic code and protein synthesis.• In Unit V – Broad members were suggested to add the topic heterocyclic compounds.• Experts suggest to add Gurdeep Chatwal, 2019, "Organic Chemistry of Natural Products. Vol II" as a text Book. <p>192CE2A3CC / Advanced Spectroscopy</p> <ul style="list-style-type: none">• Prof. Ramaraj suggested to rename the course title as Principles of Spectroscopy.• Unit I- Introduction, Microwave and Raman Spectroscopy, Unit II - Infrared and Electronic spectroscopy, Unit III - NMR Spectroscopy-I, Unit IV - NMR Spectroscopy-II, Unit V - ESR Spectroscopy are suggested by the Prof. Ramaraj. <p>192CE2A3CD / Research Methodology</p> <ul style="list-style-type: none">• The Board members were suggested to add Mass spectroscopy, Applications of IR and Raman Spectroscopy and Spectroscopic problems. problems of spectroscopy in has suggested to offer the Research Methodology course as self study. <p>192CE2A3DC / Organic Reactions and Reagents</p> <ul style="list-style-type: none">• The Board members were suggested to add more number of text books.
Resolution	The board unanimously approved the syllabus for third Semester of M. Sc. Chemistry Batch: 2019-20.
Item – 06	Discussion on syllabus and curriculum for First Semester of M.Sc. Chemistry Batch: 2020 – 21
Discussion	The content of the course of First Semester of M.Sc. Chemistry Batch: 2019 -20 were discussed by the board. 192CE2A1CA / Organic Reaction Mechanisms 192CE2A1CB/ Coordination Chemistry 192CE2A1CC / Thermodynamics, Electrochemistry and Kinetics 192CE2A1CP / Organic Chemistry – I Practical 192CE2A1CQ / Inorganic Chemistry – I Practical 192CE2A1DA / Analytical Chemistry 192CE2A1DB / Pharmaceutical Chemistry 192CE2A1DC / Supramolecular Chemistry

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	<ul style="list-style-type: none">• Subject Expert – Prof. Ramaraj has suggested to combine the two practical's of each Organic, Inorganic and physical into one practical for the semester, the most of the experiments were thought in Under Graduate.• The Curriculum has been changed into Four Core course, one practical course and one elective course. <p>192CE2A1CA / Organic Reaction Mechanisms 202CE2A1CB/ Coordination Chemistry 192CE2A1CC / Thermodynamics, Electrochemistry and Kinetics 202CE2A1CD / Analytical Chemistry. 202CE2A1CQ / Organic Chemistry - Practical 202CE2A1DA / Polymer Chemistry 192CE2A1DB / Pharmaceutical Chemistry 192CE2A1DC / Supramolecular Chemistry</p> <p>202CE2A1CB/ Coordination Chemistry</p> <ul style="list-style-type: none">• The Board members were suggested to replace the content of Unit – V Inorganic chains - rings - cages and clusters to IR and Raman spectroscopy. <p>202CE2A1CD / Analytical Chemistry</p> <ul style="list-style-type: none">• The Board members were suggested to bring the course to the core paper instead of the elective course. <p>202CE2A1CQ / Organic Chemistry – Practical</p> <ul style="list-style-type: none">• The most of the experiments were repeatable from undergraduate level, so the board members were suggested to combine the organic practical I & II course in to Organic Practical I.
Resolution	The Board confirmed to approve first Semester Syllabus and Curriculum of M. Sc. Chemistry Batch: 2020-21.
Item – 07	Discussion on Job Oriented Certificate Programme
Discussion	The Job Oriented Certificate Programme – “Process and Quality Control in Textile Chemical Processing” in association with The South India Textile Research Association (SITRA)
Resolution	The board unanimously approved the Job Oriented Certificate Programme
Item – 08	Any other matters
Discussion	<ul style="list-style-type: none">• Suggestions represented by the parents during PTA meeting to conduct extra coaching session for various competitive exams.• Dr. Selvakumar suggested to include the topics of Polymer Chemistry, Ceramics, Electrochemistry and Batteries for the IDC – Chemistry to Physics students.• The Board of studies in Department of Chemistry recommends the committee of panel of experts for examination purpose.
Resolution	The suggestions were approved by the board.

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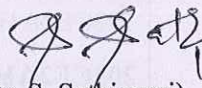
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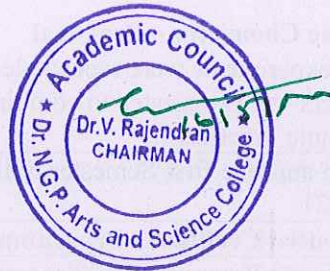
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The chairman of Board of Studies (BoS) thanked all the members for their active participation and cordially invite them for the next meeting.

Date: 16/05/2020


(Dr. S. Sathiyaraj)

BoS Chairman/HoD
Department of Chemistry
Dr. N. G. P. Arts and Science College
Coimbatore -- 641 048





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ATTENDANCE OF THE SEVENTH BOARD OF STUDIES MEETING

Faculty: Basic and Applied Science

Board: Chemistry

Date: 16.05.2020

Time: 2.30p.m.

Venue: Online- Google Meet

The following members were present for the board of studies meeting.

S. No	Name	Designation	Signature
1.	Dr. S. SATHIYARAJ Assistant Professor & Head Department of Chemistry, Dr. N.G.P Arts & Science College, Coimbatore-48.	Chairman	PRESENT
2.	Dr. A. MUTHUSAMY Associate Professor, Department of Chemistry, SRMV College of Arts and Science, Coimbatore-20.	Vice Chancellor Nominee	PRESENT
3.	Prof. R. RAMARAJ CSIR Emeritus Scientist, School of Chemistry, Madurai Kamaraj University, Madurai-625021	Subject Expert	PRESENT
4.	Prof. S. NAGARAJAN Head of the Department, Department of Chemistry, Central University of Tamil Nadu, Thiruvarur – 610 005	Subject Expert	PRESENT
5.	Dr. T. SASIKALA Associate Professor & Head Department of Chemistry Sri Ramakrishna College of Arts and Science Coimbatore - 641006.	Subject Expert	PRESENT
6.	Mr. R. RAMASAMY Francis Wacziarg Pvt Ltd, B-58, Sector-57, Noida-201301.	Industry Expert	ABSENT

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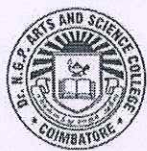
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7.	Dr. R. RAVIKUMAR Assistant Professor, Department of Chemistry, Dr. N.G.P Arts & Science College, Coimbatore-48.	Internal Member	PRESENT
8.	Dr. K. SAKTHIVEL Assistant Professor, Department of Chemistry, Dr. N.G.P Arts & Science College, Coimbatore-48.	Internal Member	PRESENT
9.	Dr. R. MENAKA Assistant Professor, Department of Chemistry, Dr. N.G.P Arts & Science College, Coimbatore-48.	Internal Member	PRESENT
10.	Dr. N. KUPPUCHAMY Professor and Head, Department of Tamil, Dr. N.G.P Arts & Science College, Coimbatore-48.	Co-opted member	PRESENT
11.	Dr. R. VITHYA PRABHA Professor and Head, Department of English, Dr. N.G.P Arts & Science College, Coimbatore-48.	Co-opted member	PRESENT
12.	Dr. C. SELVAKUMAR Professor and Head, Department of Physics, Dr. N.G.P Arts & Science College, Coimbatore-48.	Co-opted member	PRESENT
13.	Dr. R. SOWRIRAJAN Assistant Professor and Head, Department of Maths, Dr. N.G.P Arts & Science College, Coimbatore-48.	Co-opted member	PRESENT
14.	Dr. S. GOWRI Professor & HoD Department of Biochemistry, Dr. N.G.P Arts & Science College, Coimbatore-48.	Co-opted member	PRESENT

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15.	JEEVANANTHAN C III B.Sc. Chemistry Department of Chemistry, Dr. N.G.P Arts & Science College, Coimbatore-48.	Student Representative	PRESENT
16.	HARITHA P II M.Sc. Chemistry Department of Chemistry, Dr. N.G.P Arts & Science College, Coimbatore-48.	Student Representative	PRESENT

***Virtual Meeting-Signature not required**

Date: 16/05/2020

(Dr. S. Sathiyaraj)

BoS Chairman/HoD
Department of Chemistry
Dr. N. G. P. Arts and Science College
Coimbatore – 641 048

