PALLAVARAM - CHENNAI
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INSTITUTION WITH UGC 12B STATUS

<u>CRITERION 1 – CURRICULAR ASPECTS</u>

1.4 FEEDBACK REPORT

- 1.4.2 FEEDBACK PROCESS OF THE INSTITUTION MAY BE CLASSIFIED AS: OPTIONS (SELECT ANY ONE THAT IS APPLICABLE):
 - A. FEEDBACK COLLECTED, ANALYSED AND ACTION TAKEN ON FEEDBACK AND RELEVANT DOCUMENTS ARE MADE AVAILABLE
 - B. FEEDBACK COLLECTED, ANALYSED AND ACTION HASBEEN TAKEN
 - C. FEEDBACK COLLECTED AND ANALYSED

ON THE INSTITUTIONAL WEBSITE

- D. FEEDBACK COLLECTED
- E. FEEDBACK NOT OBTAINED/COLLECTED

Option A

Criterion Number	1
Metric	1.4.2
Details	Action taken report of the Institution on feedback report as minuted by the Governing Council, Syndicate, Board of Management/School of Basic Sciences
Pages	1 to 33



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ACTION TAKEN REPORT

SCHOOL OF BASIC SCIENCES

2022-2023

SCHOOL	STAKE HOLDER	CONSOLIDATED REPORT	ACTION TAKEN
School of Basic Sciences	Academic Peers	• The curriculum can be enriched with elective courses. Also, the students can be encouraged to enrol in NPTEL/ SWAYAM courses.	• Students are undergoing NPTEL/SWAYAM courses like "Coordination Chemistry" and "Fundamentals of Spectroscopy". These courses will enrich the student's knowledge and skills in technical areas.
	Professionals	• Guest lectures and technical workshops are to be conducted to encourage the students to gain knowledge and exposure to industrial needs.	• Hands-on training and technical workshops like "Semi-organic qualitative analysis" and NMR analysis have been conducted to benefit students.
	Parents	Hands-on training and research projects in emerging areas can be provided.	 The hands-on training programme is conducted every semester to develop students' skills. Research projects in emerging areas have been identified, and students are pursuing their research projects.



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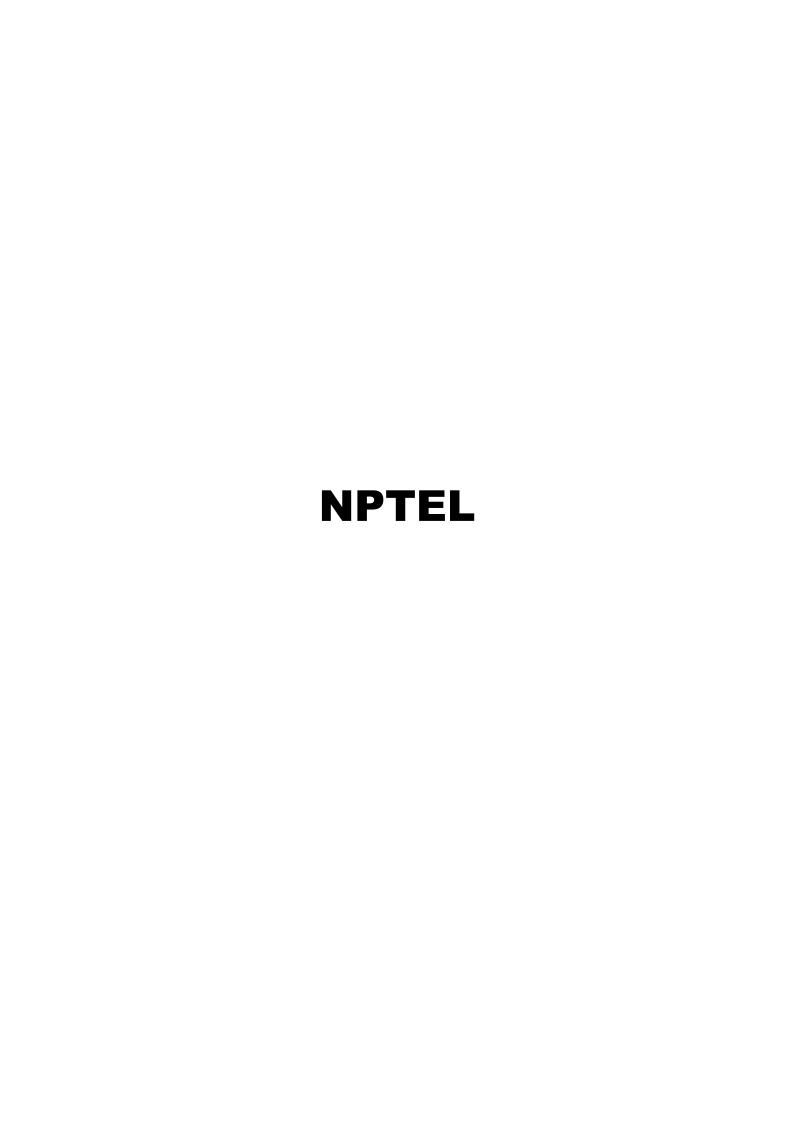
INSTITUTION WITH UGC 12B STATUS

Alumni	• Facilitate collaboration with academics and industry-level projects and internships.	• MoU collaborations have been with companies like Evergreen Technologies and Asterix Energy Pvt Ltd to enhance the student exchange programme with industry and academia.
Employers	• The curriculum can be enriched with practical-based learning that is relevant to the current research.	Both UG and PG curricula have been enriched with 45% of practical-oriented courses.
Students	Conference and Industrial visit needed.	• An international conference is conducted every year with eminent researchers from all over the world.
		• Industrial visits have been organized every year to provide real-time applications in the relevant area.



J. Am

SAMPLE PROOF OF ACTION TAKEN REPORT





NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

SWARNALAKSHMIT

for successfully completing the course

Analytical Chemistry

with a consolidated score of

Online Assignments | 19.28/25

Proctored Exam

30/75

Total number of candidates certified in this course: 626

Jul-Oct 2023

(12 week course)

Prof. Haimanti Banerji Coordinator, NPTEL IIT Kharagpur



Indian Institute of Technology Kharagpur

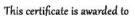
9899







(Funded by the MoE, Govt. of India)



SHARUKA UTHAYARAJH

for successfully completing the course





Co-Ordination Chemistry (Chemistry of Transition Elements)

with a consolidated score of

75

%

Online Assignments | 21.88/25 | Proctored Exam | 53.04/75

Total number of candidates certified in this course: 335

Jan-Apr 2023 (12 week course) Prof. Debjani Chakraborty Coordinator, NPTEL IIT Kharagpur



Indian Institute of Technology Kharagpur



To validate the certificate



No. of credits recommended: 3 or 4

INTERNATIONAL CONFERENCE/WORKSHO P



Telu VISTAS <telu.sms@velsuniv.ac.in>

International Conference on Advanced Energy Materials and Energy Storage (ICAEMES 2023) - Regarding

Registrar VISTAS < registrar@vistas.ac.in>

Fri, Aug 25, 2023 at 4:42 PM

To: deans@velsuniv.ac.in, Dean Academic Courses Vels University <dean.academiccourses@velsuniv.ac.in>, Dean Academic Research Vels University < dean.academicresearch@velsuniv.ac.in>, directors@velsuniv.ac.in, Director IQAC Vels University <director.iqac@velsuniv.ac.in>, director.card@velsuniv.ac.in, hods@velsuniv.ac.in, hodastrology@velsuniv.ac.in, hodagriculture@velsuniv.ac.in, schools@velsuniv.ac.in

Cc: Vice Chancellor VISTAS <vc@velsuniv.ac.in>, Pro VC VISTAS provc@velsuniv.ac.in>, Controller of Exams Vels University <coe@velsuniv.ac.in>, Preethaa VISTAS <preethaa@velsuniv.ac.in>, Vice Chancellor Secretary Vels University <psvc@velsuniv.ac.in>, Personal Secretary Vice President <psvp@velsgroup.in>, Chancellor Secretary Vels University <pschancellor@velsuniv.ac.in>

25/08/2023

CTRCULAR

Sub: International Conference on Advanced Energy Materials and Energy Storage (ICAEMES 2023) - Regarding

I am by direction to inform all the Deans, Directors, and HODs that the Department of Chemistry, School of Basic Sciences at VISTAS is organizing an International Conference on Advanced Energy Materials and Energy Storage (ICAEMES 2023) on the 12th and 13th of October 2023. All the Faculty members and Students are encouraged to submit their research contributions for presentation at this conference.

The Conference Brochure is enclosed herewith for your reference.

REGISTRAR.

Encl: Conference Brochure

Brochure ICAEMES-2023.pdf ₱ 9473K



The Ministry of Human Resource Development, india, granted the Vels Group of Insti the Deemed to be University designation. As a logical result, the founding chairman Dr. Ishari K. Ganesh was elevated to the position of president and chancellor, and he is now in charge of carrying out the strategic plan that intends to determine the institute's future growth. He envisions a university that will be more globally competitive and a ed institution.



ABOUTTHE DEPARTMENT

The Department of Chemistry is one of the earliest department to be established in the year of 2003 under the Yel's College of Science, affiliated to University of Madras. In the year of 2008, the college has got Deemed University of Madras. Status and the Department started functioning under School of Basic Sciences, VISTAS. The main thrust areas of research being inorganic materials, analytical chemistry, bio-inorganic chemistry, bio-organic chemistry, synthetic



organic chemistry, photochemistry, polymer science, homogeneous and heterogeneous catalysis, green chemistry and nanomaterrials (graphene, carbon nanotubes, stc). The department has excellent working culture and research facilities includes UV-VIS spectrophotometer. Electrochemical Work Station, Battery culture and research facilities includes UV-VIS spectrophotometer, Electrochemical Work Station, Battery Tester, Impedance Analyzer. Additional characterization fadilities such as XRD, FESEM, BET Surface Area Analyzer, Particle Size and Zeta Potential Analyzer, HPLC, AFM, Reman Spectrophotometer, TGA-DTA & DSC et Loa also be availed from Cental Instrumentation Facilities, VISTAS.

SCOPE OF THE CONFERENCE
The conference invites innovative research papers rine conference invites innovative research papers exploring the applications of materials in diverse fields such as applied science, physical science, chemical science, nanoscience, space science, crystal growth, thin films, modeling and simulation, environmental science, computer science, and engineering, among others. Furthermore, participants will have the valuable opportunity to engage in discussions with experts and high-level representatives, facilitating the sharing of opinions and the exchange of research outcomes. This interaction enables participants to stay updated on the latest advancements in their respective fields.



- FOCUSED AREAS

 Energy Materials

 Energy Storage

 Composite Materials

 Functional Materials

 Modelling and Simulation

 Manesclence and Technology

 Thin Films

 Crystal Growth and Crystallography
- Interested participants can submit one page abstract for oral and poster presentations to icaemes@gmail.com in Times New Roman with single line space
 Those who have submitted their Thesis after 01.01.2023 can sent their abstract for Thesis presentation to icaemes@gmail.com before 30.09.2023

Registration Link: https://forms.gle/AvaskjiGyIMne6PVz5

REGISTRATION FEE Students/UG & PG Research Scholars/Faculties Industrial Persons Foreign participants

Bank details

AXIS BANK
Madipalam, Chennal.

Vels Institute of Science,
Technology and Advanced Studies
911010014364240 Branch: Account Name:

Account Number: IESC Code: LITIBOOOOORS.

- Informational Scientific Advisory committee
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 Dr. Kandesarny Prabetor, Pusan National University, South Koree
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 Dr. D. Joseph Daniel, Kyungpook National University, South Koree Dr. P. Jeysprakash, University of Science, Malaysis
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 Dr. A. Pendi Kumar, CECRI, Karalisadi
 Dr. R. Nevennedhevan, VIT, Chennal
 Dr. C. Y. Kannan, Adams Sola, Humbal
 Dr. Mirnel Kumar, CecRi, Karalisadi
 Dr. R. Nevennedhevan, VIT, Chennal
 Dr. M. Krishne chandar, VIT, Vallore



Best Oral Presentation Award Best Poster Presentation Award Best Thesis Award

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Founder & Chancellor, VISTAS

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Dr.A.Udhayabamar Controller of Exeminations, VISTAS

Conveners Dr. R. A. Kelelveni

Dean, School of Busic Sciences, VISTAS

Dr. S. Kott

Assistant Professor, Department of Chemistry, School of Besic Sciences, VISTAS

Co-Conveners

Dr. T. Somenethan Head , Department of Chemistry, School of Basic Sciences, VISTAS

Dr. K Ru

Dr. K Rumamurthy Assistant Professor, Department of Chemistry, School of Besic Sciences, VISTAS

- Organizing Committee Members Dr. S. Magesh, Dr. V. Sriraman, Dr. R. Sadha, Dr. D. Gavesiar, Dr. P. Andal, Dr. M. Revatha, Dr. S. Sowenye, Dr. A. Koshike, Dr. S. Haylade Dr. M. Priya, Dr. S. Doupe and Dr. A. Padmap

Address for Communication

Or. S. Kottaswaran Mobile/Whatsapp: +91.8970808279 Emell: kottaswaran.sbe@velsuniv.ac.in / Icaamas@gmail.com

International Conference on

Advanced Energy Materials Energy Sterage





12 - 13 October, 2023

Organized

by Department of Chemistry, School of Basic Sciences.

(VISTAS)

in Association with

Elavenil Organization, Chennai

INDUSTRIAL VISIT



REPORT ON INDUSTRIAL VISIT

17-04-2023 to 20-04-2023 (Monday

to Friday)

Day 0

17-04-2023 [Monday]

Departure: Dr. MGR Chennai Central Railway Station to Kozhikode by West Coast train at 1:15 pm on Monday 17-04-2023 [Train no: 22637]

DAY 1

18-04-2023 [Tuesday]

Arrival: 1:30 pm at Kozhikkode Junction

10:00 To 1:00 pm: Visit to Edakkal Cave [Wayanad Sightseeing]

BIOVALLEY: Bio valley Located at about 1200 ft above the sea level, the Edakkal Caves are among the oldest human settlements ever discovered. Inside the caves are pictorial drawings and encravings that indicate the presence of ancient human settlements in the region. Technology and innovation from the past are being studied and enjoyed by our students.



Figure: 1 Students visit to Karappuzha

02:00 To 4:00 Pm: Visit to KARAPPUZHA DAM & ADVENTURE CAMP

KARAPPUZHA DAM: One of the most beautiful dams in the area is Karapuzha Dam, Wayanad, Kerala, India. The dam is renowned for its beautiful location and expert construction. We Spent some time at the dam has created some lasting memories.

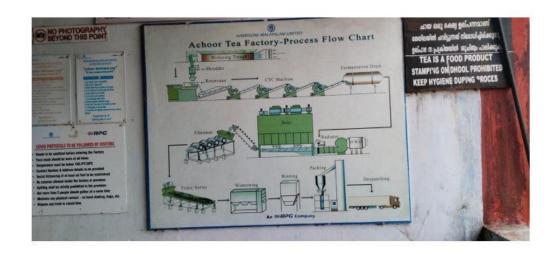
Harrison Malayalam Tea Factory: Harrison Malayalam Tea Factory is the most successful integrated agricultural operation in South India. One of the oldest – with a history that goes back over a hundred and fifty years – it has been a pioneer in corporate farming and has, over this period, established and run plantations for Tea.





02:00 To 05:00 Pm: Industrial Visit to Harrison Malayalam Tea Factory:

As a part of our curriculum we have mode an industrial visit to Harrison Malayalam Tea Factory. The whole teams of the factory welcomed us whole heartily and our students were taken to the factory. In the factory the students were thought about the collection of tea leaves, processing, techniques, packing, storage and marketing. Demonstration for the same has been gives to the students. The students with great enthusiasm listened to how the tea powder is packed without losing its freshness and aroma. The industrial visit was a great experience for our students as this may help them in future to build careers.





02:00 To 05:00 Pm: Industrial Visit to Harrison Malayalam Tea Factory:

RESEARCH PROJECT



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CERTIFICATE

Certified that this dissertation titled "INFLUENCE OF PH AND POLYOLS IN AN ELECTROLESS NANO COPPER DEPOSTION" is the bonafide work of P. ABINAYASRI (Reg.no: 20117101) who carried out the project work under my supervision. Certified further that to the best of my knowledge the work reported herein does not form part of any other thesis or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.

Department of Chemistry School of Basic Sciences Vals Institute of Science, Technology and Advanced Studies Paliavaram, Chennai - 600 117,

M. Nate88 ~ 8/5/23 EXTERNAL EXAMINER

Dr.M. MARIAPPAN, M.Sc., M.Phil., Ph.D. Senior Assistant Professor, Department of Chemistry Faculty of Science and Humanities SRM UNIVERSITY, Kattankulathur - 603 203 Tamilnadu.

Signature of the Supervisor

Dr. Jayalakshmi S



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CERTIFICATE

Certified that this thesis titled MICRONUTRIENT BASED ALGINATE BEADS FOR AGRICULTURAL APPLICATIONS is the bonafide work of ABISHEK ASHISH KUMAR. S [REG NO 20117102] who carried out the project work under my supervision. Certified further that to the best of my knowledge the work reported herein does not form part of any other thesis or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.

Signature of Dean/HODIment
Head of the Department of Chemistry
Department of Chemistry
School of Basic Sciences
School of Basic Sciences
Vels Institute of Sciences
Technology and Advancer
Pallavaram, Chemnal - Dub (1).

Signature of Supervisor

(Dr.S. SOUMYA)

External Examiner 815

Dr.M. MARIAPPAN, M.Sc., M.Phil., Ph.D. Senior Assistant Professor, Department of Chemistry Faculty of Science and Humanities SRM UNIVERSITY, Kattankulathur - 603 203 Tamilnadu.



INSTITUTE OF SCIENCE, TECHNOLOGY & ADVANCED STUDIES (VISTAS)
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CERTIFICATE

Certified that this dissertation titled "PERFORMANCE OF ADENINE DOPED PVDF/KI/12 SOLID POLYMER ELECTROLYTES FOR DYE SENSITIZED SOLAR CELL APPLICATIONS" is the bonafide work of ARUNA S (Reg No: 20117103), who carried out the project work under my supervision. Certified further that to the best of my knowledge the work reported here in does not form part of any other thesis or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other

Signature of Supervisor

Dr.R.A. KALATVANI, M.Sc., M.Phil., Ph.D., Director Department of Chemistry, School of Basic Science, Vels University, Chennal - 117.

M. Maraka EXTERNAL EXAMINER

Dr.M. MARIAPPAN, M.Sc., M Phil., Ph.D.

Senior Assistant Professor,
Department of Chernistry
Faculty of Science and Humanities
SRM UNIVERSITY,
Kattankulathur - 603 203 Tamilnadu.

CERTIFICATE

PVDF/KI/I₂ SOLID POLYMER ELECTROLYTE FOR DYE- SENSITIZED SOLAR CELL APPLICATIONS" is the Bonafide work of Ms. S. AYANA (Reg. No.20117104) who carried out the project work under my supervision. Certified further that to the best of my knowledge the work reported herein does not form part of any other thesis or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.

Signature of the Dean/HOD

Head of the Department
Department of Chemistry
School of Basic Sciences
Vels Institute of Science,
Technology and Advanced Studies
Pallavaram; Chemnal - 600 117.

EXTERNAL EXAMINER 8/5/22

Dr.M. MARIAPPAN, M.Sc., M.Phil., Ph.D.
Senior Assistant Professor,
Department of Chemistry
Faculty of Science and Humanities
SRM UNIVERSITY,
Kattankulathur - 603 203 Tamilnadu.

Signature of the Supervisor

Dr.R.A. KALAIVANI, M.Sc., M.Phil., Ph.D., Director Department of Chemistry, School of Basic Science, Vels University, Chennai - 117.



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CERTIFICATE

Certified that this dissertation titled "APPLICATION OF 2D TITANIUM CARBIDE MXENE SHEET IN ELECTROCHEMICAL ENERGY STORAGE" is the bonafide work of VIGNESH. G (Reg.no:20117105), who carried out the project work under my supervision. Certified further that to the best of my knowledge the work reported here in does not form part of any other thesis or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.

Department of Chemisery School of Basic Sciences Vels Institute of Science, Technology and Advanced Studies Pallavaram, Chennai - 600 117. S. Kollisuman Signature of the Supervisor

Dr. S. KOTTESWARAN

Assistant Professor Department of Chemistry School of Basic Sciences Vels Institute of Science, Technology & Advanced Studies (VISTAS) Chennai - 600 117

M. Marall 8/5/27 EXTERNAL EXAMINER

Dr.M. MARIAPPAN, M.Sc., M.Phil., Ph.D.
Senior Assistant Professor,
Department of Chemistry
Faculty of Science and Humanities
SRM UNIVERSITY,
Kattankulathur - 603 203 Tamilnadu.



CERTIFICATE

Certified that this thesis titled "GREEN SYNTHESIS OF COPPER OXIDE NANOPARTICLES FROM MUSKMELON PEEL EXTRACT AND ITS ANTI-MICROBIAL STUDIES" is the bonafide work of V.JAYAVASANTH (Reg No: 20117106) who carried out the project work under my supervision. Certified further that to the best of my knowledge the work reported herein does not form part of any other thesis or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate

Signature of the Dean/HOD
Head of the Department
Department of Chemistry
School of Basic Sciences
Vels Institute of Science,

Technology and Advancer as Pallavaram, Chennai - 900 117. Signature of the Supervisor

(Dr.S. Sowmy)

M. Marcialla \$15/22 EXTERNAL EXAMINER

Dr.M. MARIAPPAN, M.Sc., M.Phil., Ph.D.,
Senior Assistant Professor,
Department of Chemistry
Faculty of Science and Humanities
SRM UNIVERSITY,
Kattankulathur - 603 203 Tamilnadu.

May 2023



INSTITUTE OF SCIENCE, TECHNOLOGY & ADVANCED STUDIES (VISTAS) (Deemed to be University Estd, u/s 3 of the UGC Act, 1956)
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CERTIFICATE

Certified that this thesis titled "SYNTHESIS AND CHARCTERIZATION OF MONOMETALLIC NANOPARTICLES INCORPORATED WITH GRAPHENE OXIDE AND THEIR APPPLICATIONS" is the bonafide work of JEEVARVIN (Reg. No. 20117107) who carried out the project work under my supervision. Certified further that to the best of my knowledge the work reported herein does not form part of any other thesis or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.

Signature of the Dean/HOD

M. Nationer 815/23 EXTERNAL EXAMINER

Dr.M. MARIAPPAN, M.Sc., M. Phil., Ph.D. Senior Assistant Professor,
Department of Chemistry
Faculty of Science and Humanities
SRM UNIVERSITY,
Kattankulathur - 603 203 Tamilnadu.

MOU

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MEMORANDUM OF UNDERSTANDING

BETWEEN

2000

EVERGREEN TECHNOLOGIES

No. 5/1, Pillaiyar Kovil Street, Essa Pallavaram, Chennai - 600 043.

Phone: 044 - 22642788

and

VELS INSTITUTE OF SCIENCE, TECHNOLOGY AND ADVANCED STUDIES (VISTAS)

(Deemed to be University)

Velan Nagar, P.V. Vaithiyalingam Road

Pallavaram, Chennai - 600 117, Tamil Nadu, India



(Deemed to be University East, as 3 of the UGC AG, 1956)
PALLANARAM - CHENNAI
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RENEWAL OF MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (hereinafter referred to as "MOU") is entered on this 1st day of March 2021 between **EVERGREEN TECHNOLOGIES**, No. 5/1, Pillaiyar Kovil Street, Essa Pallavaram, Chennai - 600 043, Tamil Nadu, India represented by Thamaraiselvan – Chief Executive Officer

AND

VELS INSTITUTE OF SCIENCE, TECHNOLOGY AND ADVANCED STUDIES (VISTAS), located in Velan Nagar, P.V. Vaithiyalingam, Road, Pallavaram, Chennai 600117, Tamil Nadu, India (hereinafter referred to as" VISTAS") which expressions shall include its successors and assigns through its duly constituted Attorney, Dr. P. Saravanan – Registrar.

Both EVERGREEN TECHNOLOGIES and VISTAS entered into the memorandum of understanding dated 1st day of March 2018 and the said MoU is valid for a period of 36 months w.e.f 1st day of March 2018 and is said to expire on 28th day of February 2021.

AND WHEREAS the Parties have decided to continue the said MoU and the scheme beyond the expiry date for the period of 36 months w.e.f 1st day of March 2021 to 28th February 2024.

The copy of the said MoU has been annexed to the present agreement being an integral part of it.

FOR EVERGREEN TECHNOLOGIES

Proprietor :

Registrar

Vels Institute of Science, Technology & Advanced Studies (VISTAS)

Pallavaram, Chennai - 600 117.

IN WITNESS WHEREOF THE UNDERSIGNED, duly authorized thereto, has signed this Memorandum of Understanding on the 1st day of March 2021.

For EVERGREEN TECHNOLOGIES

CHIEF EXECUTIVE OFFICER EVERGREEN TECHNOLOGIES REGISTRAR

VISTAS

VISTAS Registrar Vels Institute of Science, Technology & Advanced Studies (VISTAS) Pallavaram, Chennai - 600 117.

WITNESS

EVERGREEN TECHNOLOGIES

1.

(Dr.R.A. KALAIVANI)
Director, Basic Sciences
VISTAS

(DV. C. NITHYA) HOD Chemitary VISTAS



CURRICULUM



INSTITUTE OF SCIENCE, TECHNOLOGY & ADVANCED STUDIES (VISTAS)
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PALLAVARAM - CHENNAI
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School of Basic Sciences Department of Chemistry

3rd BOARD OF STUDIES MEETING - MINUTES

Venue

Department of Chemistry Pharmacy Block, Vels Institute of Science, Technology and Advanced Studies, Pallavaram Chennai - 600117

Date & Time

19.04.2021&11.00am



INSTITUTE OF SCIENCE, TECHNOLOGY & ADVANCED STUDIES (VISTAS)
(Deemed to be University Estd. u/s 3 of the UGC Act, 1956)
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Date: 19th April 2021

MINUTES OF MEETING OF THE THIRD BOARD OF STUDIES

SCHOOL OF BASIC SCIENCES

The meeting of the Board of Studies was conducted on 19th April 2021 at the Department of Chemistry, School of Basic Sciences, Vels Institute of Science, Technology and Advanced Studies at 11.00 a.m. The meeting was held to revise the syllabus for UG and PG programmes from 2021 to 2022 onwards. The entire syllabus for UG, B.Sc Chemistry and PG, M.Sc Chemistry, M.Sc Pharmaceutical and Analytical chemistry and M.Sc Organic Chemistry was reviewed and revised in accordance with the new LOCF pattern and CBCS together with focus on recent needs in higher education and employment. The new syllabus will be more useful for the students to face competent and get good opportunity in various Industrial/Educational institutions for employment and higher studies.

Sufficient papers in discipline specific elective and generic elective courses enable more flexibility and wider opportunity for students to select the paper at their choice of interest.

The following members were present for the BoS meeting

S.No.	Name & Address	Designation
1.	Dr. G. Nithya Associate Professor & HoD, Department of Chemistry, School of Basic Sciences, Vels Institute of Science, Technology and Advanced Studies, Pallavaram, Chennai - 600 117.	Chair Person
2.	Dr. Narasimhan Srinivasan Chairman and Managing Director, Asthagiri Herbal Research Foundation, Perungudi.	External Expert
3.	Dr.P.Wilson Principal, Madras Christian College, Tambarm Chennai-600040	External Expert

4.	Ms. M. Vidhya lakshmi Chemist, Instrumentation department, ABC Techno labs India Private Limited.	Alumini Member
5.	Dr. R. A. Kalaivani Professor & Director, School of Basic Sciences, Vels Institute of Science, Technology and Advanced Studies, Pallavaram, Chennai - 600 117.	Internal member
6.	Dr.R. Sudha Associate Professor, Department of Chemistry, School of Basic Sciences, Vels Institute of Science, Technology and Advanced Studies, Pallavaram, Chennai - 600 117.	Internal member
7.	Dr. T. Somanathan Associate Professor, Department of Chemistry, School of Basic Sciences, Vels Institute of Science, Technology and Advanced Studies, Pallavaram, Chennai - 600 117.	Internal member
8.	Dr.M. Revathy Associate Professor, Department of Chemistry, School of Basic Sciences, Vels Institute of Science, Technology and Advanced Studies, Pallavaram, Chennai - 600 117.	Internal member
9.	Mr.V. Sriraman Assistant Professor, Department of Chemistry, School of Basic Sciences, Vels Institute of Science, Technology and Advanced Studies, Pallavaram, Chennai - 600 117.	Internal member

AGENDA OF THE MEETING

Item No.	Particulars
BoS / 2021 / SBS / UG & PG / 3.1	Review and confirm minutes of 2nd BOS meeting held on 23.05.2018
BoS / 2021 / SBS / UG & PG / 3.2	Review the curriculum based on Choice Based Credit System (CBCS), and Learning Outcome based Curriculum Develop Framework(LOCF).
BoS / 2021 / SBS / UG & PG / 3.3	To review Revision for new syllabus for B.Sc Chemistry from regulation 2018 to Regulation 2021
BoS / 2021 / SBS / UG & PG / 3.4	To review Revision for new syllabus for MSc Chemistry, M.Sc., Pharmaceutical and Analytical Chemistry and M.Sc., Organic Chemistry from regulation 2018 to Regulation 2021
BoS / 2021 / SBS / UG & PG / 3.5	To review the Feedback from Stakeholders to ensure that the syllabus of the courses include skill development, employability, and entrepreneurship
BoS / 2021 / SBS / UG & PG / 3.6	To review the UGC policy for CBCS and LOCF curriculum

MINUTES OF THE MEETING

Dr. G. Nithya Associate Professor & Head, Chairman, BoS initiated the meeting with a warm welcome and introduced the external members, the internal and co-opted members, and thanked them for accepting the invitation to the Board of Studies meeting.

Item No: 1 BoS / 2021 / SBS / UG & PG / 3.1

The Third BoS Meeting for U.G and P.G Chemistry under regulation 2021 was held on 19.04.2021 and confirmed the following points

- To Review the minutes of the 2nd BOS meeting held on 23.05.2018
- To confirm the minutes of the 2nd BOS meeting held on 23.05.2018
- To implement the guidelines and suggestions of the LOCF
- To suggest the revision needed to meet out the present need of academic standards.

Minutes are Reviewed and Confirmed

To develop the curriculum and syllabi based on the guidelines of Choice Based Credit System (CBCS) and Learning Outcome based Curriculum Framework (LOCF) shown in annexures.

Item No: 3 BoS / 2021 / SBS / UG / 3.3

- To develop the curriculum based on Learning Outcome-based Curriculum Framework (LOCF).
- · To consider the present trend in the respective fields.
- To implement the guidelines and suggestions of the LOCF while preparing the curriculum.
- To eliminate the obsolete syllabus contents and to introduce the latest / updated technologies, new knowledge and practices.
- To design the curriculum focusing on Skill Development, Employability and Entrepreneurship.

% of Syllabus Revision in the Program:

S. No.	Available Course 2018-2019		Revised Course 2021-2022		% of Syllabus Revised
	Code	Name	Code	Name	Revised
1	18CBHC11	Basic chemistry	21CBHC11	Basic chemistry	25%
2	18PBHC11	Inorganic preparations quantitative analysis practical	21PBHC11	Inorganic quantitative analysis and preparations practical- practical I	27%
3	18CBHC22	Analytical techniques	21CBHC22	Analytical methods	25%
4	18PBHC21	Gravimetric analysis practical	21PBHC21	Gravimetric analysis practical – practical III	27%
5	18PBHC31	Physical chemistry practical	21PBHC31	Physical chemistry practical – practical V	26%

6	18PBHC32	Physics practical	21PBHC42	Physics practical – practical VII	25%
7	18PBHC51	Volumetric analysis	21PBHC51	Inorganic Chemistry practical- Practical VIII	26%
8	18DBHC53	Chemistry of metals and non-metals	21DBHC53	Chemistry of metals and non- metals	27%
9	18DBHC52	Phase Equilibria and Kinetics	21DBHC52	Phase equilibria and kinetics	30%
10	18DBHC63	Agro industrial chemistry	21DBHC63	Agro industrial chemistry	30%
	0-1				
	W COURSES IN	TRODUCED Atomic Theory			
1	21CBHC41 21CBHC42		nd		
NE ¹ 1 2	21CBHC41	Atomic Theory		ractical-II	15
2	21CBHC41 21CBHC42	Atomic Theory Heterocyclic compou	ons Practical-P	ractical-II	15
2	21CBHC41 21CBHC42 21PBHC12	Atomic Theory Heterocyclic compou	ons Practical-P	ractical-II	15
2 3 4	21CBHC41 21CBHC42 21PBHC12 21DBHC61	Atomic Theory Heterocyclic compour Organic Preparation Organic spectroscopy Analytical Chemist	ons Practical-P	ractical-II	187-
1 2 3 4	21CBHC41 21CBHC42 21PBHC12 21DBHC61 21PBHC52	Atomic Theory Heterocyclic compour Organic Preparation Organic spectroscopy Analytical Chemist	ons Practical-P	ractical-II	

Item No: 4 BoS / 2021 / SBS / PG /3.4

- To develop the curriculum based on Learning Outcome-based Curriculum Framework (LOCF).
- To consider the present trend in the respective fields.
- To eliminate the obsolete syllabus contents and to introduce the latest / updated technologies, new knowledge and practices.
- To design the curriculum focusing on Skill Development, Employability and Entrepreneurship.
- To introduce the Value added courses for all I and II UG students as well as I PG students as compulsory

% of Syllabus Revision in the Program:

M.Sc Chemistry - 25%

S. No.	Available Course 2018-2019		Revised Course 2021-2022		% of Syllabus	
	Code	Name	Code	Name	Revised	
1	18CMSG11	Organic chemistry – I	21CMSG11	Organic chemistry – I	26%	
2	18CMSG12	Inorganic chemistry – I	21CMSG12	Inorganic chemistry – I	25%	
3	18CMSG13	Physical chemistry-I	21CMSG13	Physical chemistry-I	27%	
4	18DMSG11	Macromolecular Chemistry	21DMSG11	Macromolecular Chemistry	27%	
5	18PMSG11	Physical chemistry- practical I	21PMSG11	Physical chemistry practical— practical I	26%	
6	18CMSG21	Organic chemistry-II	21CMSG21	Organic chemistry-II	25%	
7	18CMSG23	Physical chemistry-II	21CMSG23	Physical chemistry-II	25%	