

CRITERION 1 – CURRICULAR ASPECTS

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 ON THE INSTITUTIONAL WEBSITE**
- B. FEEDBACK COLLECTED, ANALYSED AND ACTION HAS BEEN TAKEN**
- C. FEEDBACK COLLECTED AND ANALYSED**
- 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 Engineering
Pages	1 to 26

ACTION TAKEN REPORT

SCHOOL OF ENGINEERING

2022-2023

School	Stakeholders	Consolidated feedback	Action taken
School of Engineering	Academic peers	<ul style="list-style-type: none"> Practical hands-on training can be offered to students in subjects. Students can be encouraged to take more NPTEL courses so that credit transfer can take place, which will motivate more students to further take up more courses. COs of the individual subject can be more from a single unit if the scope is greater. 	<ul style="list-style-type: none"> In the 2022 syllabus, in-built lab components are offered for courses. From 3rd semester, a separate hour is earmarked for discussing MOOC-related courses like doubt clearing, assignments, etc. COs of the subjects framed as per the NBA framework.
	Professionals	<ul style="list-style-type: none"> Contemporary concepts can be taught so that students can be more employable. 	<ul style="list-style-type: none"> Contemporary subjects are included in the syllabus.
	Parents	<ul style="list-style-type: none"> Students can be encouraged to take more cross-disciplinary subjects from other engineering streams. 	<ul style="list-style-type: none"> Students can take open elective courses from other engineering streams as part of their semester framework.



VELS



INSTITUTE OF SCIENCE, TECHNOLOGY & ADVANCED STUDIES (VISTAS)

(Deemed to be University Estd. u/s 3 of the UGC Act, 1956)

PALLAVARAM - CHENNAI

ACCREDITED BY NAAC WITH 'A' GRADE

Marching Beyond 30 Years Successfully

INSTITUTION WITH UGC 12B STATUS

	<ul style="list-style-type: none">Value-added courses in association with industry must be introduced every year.	<ul style="list-style-type: none">Students are taking a minimum of one value-added course taught by industry experts per year in the 2022 syllabus.
Alumni	<ul style="list-style-type: none">Internships can be extended more than 20 days so that the practical exposure will be much better.Projects can be given more weight, so there will be more practical-oriented, innovative solutions.	<ul style="list-style-type: none">Summer internships are allowed for a minimum of 28 days for every student in the 2022 syllabus.The number of credits is increased for project work phase II, emphasising the additional weightage on the application of technical concepts.
Employers	<ul style="list-style-type: none">The employability of students will be greater if a number of practical concepts are taught.As per UGC regulations, Gender equality in society needs to be introduced	<ul style="list-style-type: none">Every semester, there will be a course with embedded lab exercises in it so that more technical applications of the concepts can be done in the 2022 syllabus.Gender Institution and Society is offered as a mandatory course in 4th semester.

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		<p>as a mandatory course for all students.</p> <ul style="list-style-type: none">• CO Attainment needs to be framed based on the competencies as per the AICTE framework.	<ul style="list-style-type: none">• Competencies & performance indicators were framed as per the AICTE framework in 2022.
	Students	<ul style="list-style-type: none">• Need more practical training courses.• Need more NPTEL courses so that it will improve the overall learning experience.	<ul style="list-style-type: none">• Lab component enabled in one course from 3rd semester onwards in 2022 regulation.• Students are encouraged to register for more than 1 NPTEL course in a semester from 3rd semester. Further, the exam fees are refunded by the institute for all the students who have cleared the NPTEL courses



J. Anand

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SAMPLE PROOF OF ACTION TAKEN REPORT



VELS



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INSTITUTION WITH **UGC 12B** STATUS

SCHOOL OF ENGINEERING

DEPARTMENT OF CIVIL ENGINEERING

3rd BOARD OF STUDIES MEETING – MINUTES

VENUE : CEB 005, CARD ROOM, VOC BLOCK

DATE : 19.03.2022 & 11.00am

Date: 19.03.2022

MINUTES OF MEETING OF THE BOARD OF STUDIES

SCHOOL OF ENGINEERING:DEPARTMENT OF CIVIL ENGINEERING

The Board of Studies meeting for the Programme B.E– **CIVIL ENGINEERING** and **M.E CONSTRUCTION ENGINEERING AND MANAGEMENT**, School of Engineering, VISTAS was held on 19th March 2022 at 11:00 am in CARD room, VOC Block to discuss the **revision of UG Programme and PG programme Curriculum & Syllabus of B.E CIVIL ENGINEERING and M.E CONSTRUCTION ENGINEERING AND MANAGEMENT for the regulation 2022** which to be followed from the academic year 2022-2023.

S.No	NAME OF THE BOARD MEMBER	DESIGNATION	ROLE
1	Dr. T. Ilango	<i>Associate Professor and Head</i> Dept. of Civil Engineering VISTAS, Chennai	Chairman
2	Dr. P. Purusothaman	<i>Associate Professor</i> Dept. of Civil Engineering SRM Institute of Science & Technology, Chennai	Academic Expert
3	Mr. K Gurusamy	<i>Project Manager</i> Rapid Rail Transit System L&T Metro, Chennai	Industrial Expert
4	Mr Pradeep	Site Engineer, Vishala Glazers Pvt Ltd, Chennai	Alumni Member
5	Dr R Jino	<i>Associate Professor</i> Dept. of Civil Engineering VISTAS, Chennai	Internal Member
6	Dr P R Kalyana Chakravarthy	<i>Assistant Professor</i> Dept. of Civil Engineering VISTAS, Chennai	Internal Member
7	Mrs M K Soundarya	<i>Assistant Professor</i> Dept. of Civil Engineering VISTAS, Chennai	Internal Member
8	Mrs G Sharmilaa	<i>Assistant Professor</i> Dept. of Civil Engineering VISTAS, Chennai	Internal Member

AGENDA OF THE MEETING

Item No.	Particulars
BoS / 2022 /CE / UG & PG / 3.1	Review and confirm minutes of 2 nd BOS meeting held on 19.03.2022
BoS / 2022 / CE / UG & PG / 3.2	Objective of the Revision for new syllabus shown in Annexure I.
BoS / 2022 / CE / UG & PG / 3.3	Feedback from Stakeholders to ensure that the syllabus of the courses include the state-of-the-art technologies focusing on skill development, employability, and entrepreneurship
BoS / 2022 / CE / UG & PG / 3.4	New courses introduced and syllabus revised for UG & PG
BoS / 2022 / CE / UG & PG / 3.5	AICTE Examination Reforms Policy, effective from the Academic Year 2022-2023 be approved.

MINUTES OF THE MEETING

Dr. T.ILANGO, Associate Professor & Head, Chairperson, 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.

BoS/2022/ CE /UG & PG/ 3.1

Review and confirm minutes of 3rd BOS meeting held on 19.03.2022

The 3rd BoS Meeting for B.E.-Civil Engineering under regulation 2022 was held on 19-03-2022 and confirmed the following points

- To implement the guidelines and suggestions of the new education policy
- First year Syllabi for the 2022 regulation
- Value Added Courses for Second and Third Year Students
- Admission Details
- Department Vision, Mission in line with Institute's vision and Mission

Minutes are reviewed and confirmed

BoS/2022/ CE /UG & PG / 3.2

Review and confirm minutes of 3rd BOS meeting held on 19.03.2022

- To develop the curriculum and syllabi based on the guidelines of AICTE and the principles of Outcome Based Education (OBE)/Learning Outcome Based Curriculum Framework (LOCF).
- To implement the guidelines and suggestions of the new education policy.
- To consider the Competencies and Performance Indicators of the B.E. Civil Engineering programme defined as per the recommendations of the AICTE Examination Reforms Policy.
- To enhance the Course Outcomes (CO) of all the courses by focusing on skill development, employability, and entrepreneurship.
- To consider the mapping of CO to the Program Outcomes (PO) and Programme Specific Outcomes (PSO) of all the courses using the defined Competencies and Performance Indicators.

Minutes are reviewed and confirmed

BoS/2022/ CE / UG & PG /3.4

Feedback from Stakeholders to ensure that the syllabus of the courses include the state-of-the-art technologies focusing on skill development, employability, and entrepreneurship.

- **Alumni:** The curriculum is well structured and the syllabus has been updated to improve the hands on knowledge. Industrial interaction can be improved and more credits can be given for Internship and Projects. The curriculum of B.E. Civil Engineering , should consider more hands-on exposure to link theory along with practice.
- **Industry and Academic Experts:** Syllabus is updated with courses that include the recent technological advancements. Blended learning, Internship, MOOCs and Project based courses can improve the hands on knowledge and exposure of the students. Industry based projects and mini projects can to improve the quality of students work and give them better exposure. Value Added Courses has been introduced in collaboration with industries. This will create good placement and industrial exposure to the students of B.E Civil Engineering.

The Competencies and Performance Indicators (PI) are well defined for both the programmes. The CO-PO mapping is based on Knowledge Levels and is well justified.

Minutes are reviewed and confirmed

BoS/2022/ CE / UG & PG / 3.4

Number of new courses introduced: 15% Syllabus Revision in the Program: 28 % syllabus revised

% of Syllabus Revision in the Program:

B.E CIVIL ENGINEERING-28%

M.E CONSTRUCTION ENGINEERING AND MANAGEMENT – 25%

S. No.	Existing Courses (Regulation 2018)	New Courses (Regulation 2022)
1.	Basic Electrical Engineering	Basic Electrical and Electronics Engineering
2.	Physics (Waves, Optics And Introduction To Quantum Mechanics)	Physics (Mechanics and Mechanics of Solids)
3.	Physics Laboratory	Physics Laboratory
4.	Engineering Graphics And Design	Engineering Graphics And Design
5.	Energy Science & Engineering	Energy Science & Engineering
6.	Engineering Mechanics	Engineering Mechanics
7.	Personality Development I (Effective Technical Communication)	Personality Development I (Effective Technical Communication)
8.	Mechanics of Materials	Mechanics of Materials
9.	Engineering Geology	Engineering Geology
10.	Surveying and levelling	Surveying and Geomatics
11.	Concrete Technology	Concrete Technology
12.	Concrete Technology Laboratory	Concrete Technology Laboratory
13.	Design of Steel Structures	Design of Steel Structures
14.	Traffic Engineering and Management	Traffic Engineering and Management
15.	Organizational Behaviour	Organizational Behaviour
16.	Total Quality Management	Total Quality Management
17.	E- Commerce	E- Commerce
18.	Global Warming and Climate Change	Global Warming and Climate Change
19.	Public Transportation System	Public Transportation System
20.	Principles of Architecture	Principles of Architecture
21.	Air pollution Management	Air pollution Management

22.	Principles of Management and Professional Ethics	Principles of Management and Professional Ethics
23.	Role of Citizens in Environment Conservation	Role of Citizens in Environment Conservation

New Courses Introduced:

S. No	Name of the Course
1.	Basics of Civil and Mechanical Engineering
2.	Student Induction Program
3.	Biology for Engineers
4.	Universal Human Values – 2
5.	Constitution of India
6.	Gender Institution of society
7.	Construction Engineering and Management
8.	Special Concretes
9.	Metal Structure Behaviour
10.	Soil Mechanics I
11.	Soil Mechanics II
12.	Ground Improvement Techniques
13.	Environmental Geotechnology
14.	Physio-Chemical Processes for Water & Waste Water Treatment
15.	Ecological Engineering

% of Syllabus Revision in the Program:

M.E CONSTRUCTON ENGINEERING AND MANAGEMENT – **25%**

S. No.	Existing Courses (Regulation 2018)	New Courses (Regulation 2022)
1.	Modern Materials of Construction	Modern Materials of Construction
2.	Advanced Concrete Technology	Advanced Concrete Technology
3.	Repair and Rehabilitation of Structures	Repair and Rehabilitation of Structures
4.	Fundamentals of Entrepreneurship	Fundamentals of Entrepreneurship
5.	Advanced Construction Techniques	Advanced Construction Techniques
6.	Quality Control and Assurance in Construction	Quality Control and Assurance in Construction
7.	Structural Health Monitoring	Structural Health Monitoring
8.	Green Building Techniques	Green Building Techniques
9.	Building Services and Maintenance	Building Services and Maintenance

10.	Construction Project Management	Construction Project Management
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New Courses Introduced:

S. No	Name of the Course
1.	Contract law and regulation
2.	Design of Energy Efficient Buildings
3.	System Integration in Construction
4.	GIS in Construction Engineering and Management
5.	Shoring, Scaffolding and Formwork
6.	Total Quality System and Engineering

BoS/2022/ CE / UG & PG/3.5

AICTE Examination Reforms Policy, effective from the Academic Year 2022-2023 be approved.

- Resolved that the Curriculum & Syllabus for the B.E – Civil Engineering programme (Regulation 2022), designed as per the Learning outcome-based curriculum framework (LOCF) guidelines and Model Curriculum of AICTE, effective from the Academic Year 2022-2023 be approved.
- Resolved that the Curriculum & Syllabus for the first year B.E. Civil Engineering programme (Regulation 2022), designed as per the Learning outcome-based curriculum framework (LOCF) guidelines and Model Curriculum of AICTE, effective from the Academic Year 2022-2023 be approved.

Minutes are reviewed and confirmed

The Board of Studies resolved to approve the above suggestions for B.E. Civil Engineering brought forward by the Chairman incorporating the above changes. The meeting was concluded at 01.00 pm with a vote of thanks by **Dr. T.ILANGO**, Head of Department, Civil Engineering.



Dr T Ilango
Chairman



Dr. P. Purusothaman
Academic Expert



Mr. K Gurusamy
Industrial Expert



Mr Pradeep
Internal Member



Dr R Jino
Internal Member



Dr P R KalyanaChakravarthi
Internal Member



Mrs M K Soundarya

Internal Member



Mrs G Sharmilaa

Internal Member

Syllabus Revision of UG & PG Programmes /courses focused on Activities/Content with direct on Employability / Competency/ Entrepreneurship / Skill development / Interdisciplinary and New courses introduced during the Academic year 2022-23 enclosed in Annexure Ia & Ib.

**ANNEXURE Ia
Curriculum
B.E CIVIL ENGINEERING**

SEMESTER – I

Category	Code	Course	Year of Introduction	Year of Revision	% of Revision	Interdisciplinary	Activities/Content with direct on Employability / Competency/ Entrepreneurship / Skill development
HSC	22CGE101	English	2018-2019	-	-	Interdisciplinary	Competency Skill development
BSC	22CGE102	Physics (Mechanics and Mechanics of Solids)	2018-2019	-	-	Interdisciplinary	Competency Skill development
BSC	22CGE103	Mathematics I	2018-2019	-	-	Interdisciplinary	Competency Skill development
ESC	22CGE104	Basic Electrical and Electronics Engineering	-	2021-2022	27%	Interdisciplinary	Employability Competency
ESC (Blended)	22CGE105	Engineering Graphics and Design	-	2021-2022	-	-	Employability Competency
HSC	22CGE106	English Laboratory	-	2021-2022	-	-	Employability Competency
BSC	22CGE107	Physics Laboratory	-	2021-2022	-	-	Employability
ESC	22CGE108	Basic Electrical and Electronics Engineering Laboratory	-	2021-2022	-	Interdisciplinary	Entrepreneurship Skill development
MC	22MCMC11	Constitution of India	-	2021-2022	-	Interdisciplinary	Skill development
MC		Student Induction Program	-	-	-	-	Skill development

SEMESTER – II

Category	Code	Course	Year of Introduction	Year of Revision	% of Revision	Interdisciplinary	Activities/Content with direct on Employability / Competency/ Entrepreneurship / Skill development
BSC	22CGE201	Chemistry	2018-2019	-	-	Interdisciplinary	Competency Skill development
BSC	22CGE202	Mathematics II	2018-2019	-	-	Interdisciplinary	Competency Skill development
ESC	22CGE203	Programming for Problem Solving	-	2021-2022	42%	Interdisciplinary	Employability Competency
ESC	22CGE204	Basics of Civil and Mechanical Engineering	2018-2019	-	-	Interdisciplinary	Employability Competency
ESC (Blended)	22CGE205	Workshop and Manufacturing Practices	2018-2019	-	-	Interdisciplinary	Competency
BSC	22CGE206	Chemistry Laboratory	-	2021-2022	-	Interdisciplinary	Employability Competency
ESC	22CGE207	Programming for Problem Solving Laboratory	-	2021-2022	35%	Interdisciplinary	Employability Competency
MC	22MCMC21	Universal Human Values - 2	-	2021-2022	-	Interdisciplinary	Skill development

SEMESTER – III

Category	Code	Course	Year of Introduction	Year of Revision	% of Revision	Interdisciplinary	Activities/Content with direct on Employability / Competency/ Entrepreneurship / Skill development
BSC	22CGE301	Mathematics III	2018-2019	-	-	Interdisciplinary	Competency Skill development
ESC	22CMC031	Energy Science & Engineering	2018-2019	-	25%	Interdisciplinary	Competency Skill development
PCC	22CMC032	Introduction to Fluid Mechanics	-	2021-2022	40%		Employability Competency
PCC	22CMC033	Introduction to Solid Mechanics	-	2021-2022	-		Employability Competency
PCC (Blended)	22CMC034	Engineering Mechanics	-	2021-2022	40%	Interdisciplinary	Competency Skill development
PCC (Practical)	22CMC035	Strength of Materials Laboratory	-	2021-2022	-	Interdisciplinary	Entrepreneurship
PCC (Practical)	22CMC036	Hydraulics Laboratory	-	2021-2022	-	-	Employability Competency
HSC	22EPD101	Personality	-	2021-2022	-		Skill development

		Development I (Effective Technical Communication)				Interdisciplinary	
MC	22MCMC31	Basic Life Skills	2018-2019	--	-	-	Skill development

SEMESTER – IV

Category	Code	Course	Year of Introduction	Year of Revision	% of Revision	Interdisciplinary	Activities/Content with direct on Employability / Competency/ Entrepreneurship / Skill development
BSC	22CMC041	Biology for Engineers	2018-2019	-	-	Interdisciplinary	Competency Skill development
PCC	22CMC042	Surveying & Geomatics	2018-2019	-	-	Interdisciplinary	Competency Skill development
PCC	22CMC043	Mechanics of Materials	-	2021-2022	45%	-	Employability Competency
PCC	22CMC044	Disaster Preparedness & Planning	2018-2019	-	-	-	Employability Competency
PCC	22CMC045	Transportation Engineering	2018-2019	-	-	Interdisciplinary	Competency Skill development
PCC (Blended)	22CMV046	Engineering Geology	-	2021-2022	-	-	Employability
PCC (Practical)	22CMV047	Computer Aided Civil Engineering Drawing Laboratory	2018-2019	-	-	-	Employability Competency
PCC (Practical)	22CMV048	Modern Surveying Laboratory	2018-2019	2021-2022	-	Interdisciplinary	Employability
HSC	22EPD102	Personality Development II	2018-2019	2021-2022	-	-	Employability Skill development
MC	22CMC049	Environmental Science and Engineering	2018-2019	-	-	Interdisciplinary	Competency/ Employability/ Skill development
MC	22MCMC41	Gender Institution and Society	2022-2023	-	-	Interdisciplinary	Competency

SEMESTER – V

Category	Code	Course	Year of Introduction	Year of Revision	% of Revision	Interdisciplinary	Activities/Content with direct on Employability / Competency/ Entrepreneurship / Skill development
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PCC	22CMC051	Geotechnical Engineering	-	2021-2022	25%	-	Employability Competency
PCC	22CMC052	Structural Analysis	-	2021-2022	37%	-	Employability
PEC	22ECV104	Metal Structure Behaviour	2022-2023		-	-	Employability
OEC (Technical)	21DBCS53	Open Elective Course - I	-	2021-2022	-	-	Employability
PCC (Blended)	22CMC053	Construction Engineering and Management	-	2021-2022	-	-	Employability Competency
PCC (Practical)	22CMC054	Geotechnical Engineering Laboratory	2018-2019	-	-	-	Employability
PCC (Practical)	22CMC055	Environmental Engineering Laboratory	2018-2019	-	-	-	Employability Competency
HSC	22EPD103	Personality Development III	-	2021-2022	-	-	Employability Skill development
PCC		Industrial Training/ Mini Project/ Survey Camp/ MOOC Course (NPTEL/SWAYAM/Coursera/Mathworks) - Minimum 4 weeks	-	-	-	-	Employability Skill development

SEMESTER – VI

Category	Code	Course	Year of Introduction	Year of Revision	% of Revision	Interdisciplinary	Activities/Content with direct on Employability / Competency/ Entrepreneurship / Skill development
PCC	22CMC061	Design of Reinforced Concrete Structures	2018-2019	-	-	-	Employability Competency
PCC	22CMC062	Concrete Technology	2018-2019	-	43%	-	Employability Competency
PEC	22ECV107	Foundation Engineering	2018-2019	2022-2023	40%	-	Employability
PEC (Blended)	22ECV110	Environmental Engineering	2018-2019	2022-2023	-	-	Employability Competency
OEC (Technical)	22ECV152	Total Quality Management	2018-2019	2021-2022	-	Interdisciplinary	Entrepreneurship
PCC (Practical)	22CMC063	Computer Aided Design and Drawing Laboratory	2018-2019	-	-	-	Employability Skill development
PCC (Practical)	22CMC064	Concrete Technology Laboratory	2018-2019	2022-2023	25%	-	Employability Skill development

HSC	22EPD104	Personality Development - IV	2018-2019	-	-	-	Employability Skill development
PCC	22IBCI61	Summer Internship (4 weeks)	2018-2019	-	-	-	Employability Skill development

SEMESTER VII

Category	Code	Course	Year of Introduction	Year of Revision	% of Revision	Activities/Content with direct on Interdisciplinary	Activities/Content with direct on Employability/ Competency/ Entrepreneurship / Skill development /
PCC	22CMC071	Engineering Economics, Estimation and Costing	2018-2019	-	2%	-	Employability
OEC (Technical)	22ECV101	Prestressed Concrete Structures	2018-2019	-	-	Interdisciplinary	Employability
OEC (Technical/ Management)	22ECV156	Principles Of Architecture	2018-2019				Employability
PEC	22ECV102	Special Concretes	2022-2023	-	-	-	Employability
PEC (Blended)	22ECV103	Earthquake Engineering	2018-2019	-	26%	Interdisciplinary	Employability
PCC (Practical)	22CMC072	Estimation And Costing Laboratory	2022-2023	-	-	-	Employability/ Entrepreneurship
Project	22RBCI71	Project Phase I	2018-2019	-	-	Interdisciplinary	Employability

SEMESTER VIII

Category	Code	Course	Year of Introduction	Year of Revision	% of Revision	Activities/Content with direct on Interdisciplinary	Activities/Content with direct on Employability/ Competency/ Entrepreneurship / Skill development /
PEC	22ECV201	Design Of Steel Structures	2018-2019	2022-2023	20%	-	Employability
OEC	22ECV153	E- Commerce	2018-2019	2022-2023	10%	Interdisciplinary	Employability
OEC	22ECV154	Global Warming And Climate Change	2018-2019	2022-2023	10%	Interdisciplinary	Skill development
Project	22RBCI81	Project Phase II	2018-2019	-	-	-	Skill development

ANNEXURE Ib Curriculum

M.E CONSTRUCTION ENGINEERING AND MANAGEMENT SEMESTER – I

Category	Code	Course	Year of Introduction	Year of Revision	% of Revision	Interdisciplinary	Activities/Content with direct on Employability / Competency/ Entrepreneurship / Skill development
PCC	21METC11	Construction Planning Scheduling and Control	2018-2019	2022-2023	25	-	Competency Skill development
PCC	21METC12	Modern Materials of Construction	2018-2019	2022-2023-	20	-	Competency Skill development
BSC	21MEFC01	Statistical Methods and Queuing Theory	2018-2019	-	-	Interdisciplinary	Competency Skill development
PEC	21METE01	Construction Equipments and Methods	-	2022-2023	27%	-	Employability Competency
PCC	21METC13	Construction Planning and Scheduling Laboratory - I	-	-	-	-	Employability Competency
PCC	21METC14	Computing Lab in Construction Management - I	-	-	-	-	Employability Competency
MC	21MEMC01	Research Methodology and IPR	-	-	-	Interdisciplinary	Employability
Audit	21META01	Technical Seminar - I	-	-	-	Interdisciplinary	Entrepreneurship Skill development

SEMESTER – II

Category	Code	Course	Year of Introduction	Year of Revision	% of Revision	Interdisciplinary	Activities/Content with direct on Employability / Competency/ Entrepreneurship / Skill development
PCC	21METC21	Advanced Construction Techniques	2018-2019	2022-2023	15	-	Competency Skill development
PCC	21METC22	Quality Control and Assurance in Construction	2018-2019	2022-2023	20	-	Competency Skill development
PEC	21METE02	Contract Laws and Regulations	2022-2023	-	-	Interdisciplinary	Employability Competency
PEC	21METE03	Advanced Concrete Technology	2018-2019	2022-2023	25	-	Employability Competency
PCC	21METC23	Construction Planning and Scheduling Laboratory - II	2018-2019	-	-	Interdisciplinary	Competency

PCC	21METC24	Computing Lab in Construction Management - II	2022-2023	-	-	Interdisciplinary	Employability Competency
PCC	21METC25	Mini Project	2018-2019	-	-	Interdisciplinary	Employability Competency
AUD IT	21META02	Technical Seminar - II	2018-2019	-	-	Interdisciplinary	Skill development

SEMESTER – III

Categ ory	Code	Course	Year of Introduction	Year of Revision	% of Revision	Interdisciplinary	Activities/Content with direct on Employability / Competency/ Entrepreneurship / Skill development
PEC	21METE04	Value Engineering in Construction	2018-2019	-	-	Interdisciplinary	Competency Skill development
OEC	21MEGE04	Fundamentals of Entrepreneurship	2018-2019	-	25%	Interdisciplinary	Competency Skill development
ITER NSHIP	21MEIT01	Internship	2018-2019	-	40%	Interdisciplinary	Employability Competency
PROJECT	21METR01	Dissertation - I	2018-2019	-	-	Interdisciplinary	Employability Competency

SEMESTER – IV

Categ ory	Code	Course	Year of Introduction	Year of Revision	% of Revision	Interdisciplinary	Activities/Content with direct on Employability / Competency/ Entrepreneurship / Skill development
PROJECT	21METR02	Dissertation - II	2018-2019	-	-	Interdisciplinary	Competency Skill development

INTERNSHIP



04-03-2023

CERTIFICATE FOR INTERNSHIP TRAINING

This is to certify that Mr. Aakas Ram AS(Reg No:20603101) a student of VELS University studying third year Electronics and Communication Engineering has successfully completed his internship from 27-02-2023 to 04-03-2023 at our organization.

We wish him every success in his future endeavors.

For Melcon Controls Private Limited,

M. Gowtham

(M. Gowtham)
Director.



**MELCON CONTROLS
PRIVATE LIMITED**

Shed No.: 104, 14th Street, SIDCO Industrial Estate, Thirumudivakkam, Chennai - 600 044. Ph : 044 - 4861 5237

E-mail : info@melconcontrols.co.in Website : www.melconcontrols.co.in

Mfrs. of Transformers, CVTs & Servo Stabilizers, Line Reactors, CTs & PTs
Electrical Assemblies, Sheet Metal Enclosures & Components

NPTEL



VELS



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

ACCREDITED BY NAAC WITH 'A' GRADE

Marching Beyond 30 Years Successfully

PROCEEDINGS OF THE REGISTRAR, VISTAS/2024, Dated: 12-02-2024

Sub: VISTAS – Courses undergone under SWAYAM / NPTEL platform –
Credit Transfer - Award of Incentive of Rs.1000/- - Intimated - Regarding.

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Mr. MOHAMED SHAJAHAN A, IV Year student of B.E., Civil Engineering, is informed that the credit earned by him for having undergone the course viz. **Design of Steel Structures** under SWAYAM / NPTEL platform during July 2023 to October 2023 has been transferred to the equivalent subject of **Design of Steel Structures** prescribed in the Curriculum of his regular Programme.

He is further informed that he has been awarded with an incentive of Rs.1000/- for having joined and completed the above course successfully under NPTEL Platform.

The amount of Rs.1000/- will be credited into his bank account.

REGISTRAR

To

Mr. MOHAMED SHAJAHAN A
IV Year, B.E., Civil Engineering

CC To :

1. The COE
2. HOD, Civil Engineering
3. The Director, Finance (with request to release the amount)
4. SWAYAM / NPTEL Co-ordinator
5. Associate Director (AICTE)

Campus : Velan Nagar, P.V. Vaithiyalingam Road, Pallavaram, Chennai - 600 117. INDIA.
Phone : (91-44) 2266 2500 / 2266 2501 / 2266 2502 / 2266 2503, **Fax :** (91-44) 2266 2513

Email : vels@vistas.ac.in **Website :** www.vistas.ac.in

Admin. Office : S21/2, Anna Salai, Nandanam, Chennai - 600 035. **Tele Fax :** 2431 5541 / 2431 5542



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

KEERTHI V

for successfully completing the course

Cell Culture Technologies

with a consolidated score of **67** %

Online Assignments	23.33/25	Proctored Exam	43.5/75
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Total number of candidates certified in this course: **1634**

Prof. B. V. Ratish Kumar
Chairman, Centre for Continuing Education
IIT Kanpur

Aug-Oct 2023

(8 week course)

Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur



Indian Institute of Technology Kanpur



Roll No: NPTEL23BT68S633509953

To verify the certificate



No. of credits recommended: 2 or 3



Elite
NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

KEERTHI V

for successfully completing the course

Fundamentals of Protein Chemistry

with a consolidated score of **60** %

Online Assignments	20/25	Proctored Exam	40/75
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Total number of candidates certified in this course: **52**

Jul-Oct 2023

(12 week course)

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23CY56S833509612

To verify the certificate



No. of credits recommended: 3 or 4