

NADAR SARASWATHI COLLEGE OF ENGINEERING & TECHNOLOGY



Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Vadapudupatti, Annanji (po), Theni - 625 531,
Tamilnadu, India.

NSCET/Civil/Codebook/2023/01

20.05.2023

To

The Chairman
Faculty of Civil and Structural Engineering
Anna University
Chennai – 600 025

Sir,

Sub: Anna University Examinations – Civil & Structural Engineering – Code book to be permitted – Reg

- Ref: 1. Your office letter dated : 25.11.2014, for code book to be permitted during Examination
2. Your office letter dated: 07.04.2017, for code book to be permitted during end semester examination
3. Letter dated : 18.06.2018, for code book to be permitted during Examination.
4. Your office letter dated : 20.11.2019, for code book to be permitted during Examination

In reference to the letter cited above, the code books are permitted for the Anna University end semester Examinations for the relevant subjects. It is noticed that the subject code for the subjects were changed for the regulation 2021.

Also we are in need to include some of the code books for the B.E Civil and M.E Structural Engineering. The list is enclosed. We request you to kindly update the list of code books permitted for B.E Civil and M.E Structural engineering as per Regulation 2021 syllabus for the end semester examinations and send to us at the earliest.

Thanking you.

Yours faithfully,

Dr. C. Mathalai Sundaram, M.E., M.B.A., Ph.D.
Principal

Dr. C. Mathalai Sundaram, M.E., M.B.A., Ph.D.,
Principal
Nadar Saraswathi College of
Engineering and Technology
Vadapudupatti, Theni-625 531

Dr. C. Mathalai Sundaram, M.E., M.B.A., Ph.D.,
Principal
Nadar Saraswathi College of
Engineering and Technology
Vadapudupatti, Theni-625 531.



Encl :

1. List of code books required as per R2021 – for approval
2. Ref 1 – Office letter dated on 25.11.2014
3. Ref 2 – Office letter dated on 07.04.2017
4. Ref 3 – Letter dated on 18.06.2018
5. Ref 4 – Office letter dated on 20.11.2019

List of Code Book need to be Approved for B.E /Civil Engineering (R2021)

S.No	Subject Code	Subject Title	IS Codes Required
1	CE 3403	Concrete Technology	IS 10262:2019 (Tables 1,2,3,4,5) IS 456 : 2000 (Table 5)
2	CE 3405	Highway and Railway Engineering	IRC 37:2012 (Respective charts alone) IRC 58:2012 (Respective charts alone)
3	CE3501	Design of Reinforced Concrete Structural Elements	IS 456:2000 SP 16 : 1980(Tables and Charts Only)
4	CE3601	Design of Steel Structural Elements	IS 800:2007 IS 875 (Part 3) :2015 IS 6-1 : 1964
5	CE 3001	Concrete Structures	IS 875 (Part 3) :2015 IS 875 (Part 5) :1987 IS 1893 : 2002 IS 13920 : 2016
6	CE 3002	Steel Structures	IS 800:2007 SP 6 (1) :1964 IS 875 (Part 1-5) IS 816 : 1969 IS 808 : 1989
7	CE 3004	Prestressed Concrete Structures	IS 3935:1966 IS 1343: 1980 IS 3370: 2009 IS 784 : 2019
8	CE 3006	Dynamics and Earthquake Resistant Structures	IS 1893 : 2002 IS 4326 :1993 IS 13920 :2016
9	CE 3008	Formwork Engineering	IS 456:2000 IS 14687 :1999
10	CE 3016	Ground Improvement Techniques	IS 9759:1981 IS 15284 (Part 1,2) : 2004
11	CE 3017	Soil Dynamics and Machine Foundations	IS 5249:1992 IS 2974 (Part 1 -3) :1992
12	CE3018	Rock Mechanics	IS 7746:1991 IS 14881:2001 IS 15026:2002
13	CE3019	Earth and Earth Retaining Structures	IS 14458:1997
14	CE3020	Pile Foundation	IS 2911(Part 1 – Sec 1,2,3) :1979
15	CE3021	Tunneling Engineering	IS 5878-2-2:1971 IS 4880-6:1971
16	CE 3026	Traffic Engineering and Management	SP 43 - 1994
17	CE3046	Port and Harbour Engineering	IS 10020-4:1981 IS 9527(Part 6):1989 IS 4651(Part 1):1974
18	CE 3030	Pavement engineering	IRC 37 :2018 IRC 58 :1988
19	CE 3049	Steel Concrete Composite Structures	IS 456:2000 IS 800:2007 IS 875 (Part 3) :2015 SP 6 (1) :1964 IS 11384:1985

Hm →



Dr. C. MATHALAI SUNDARAM, M.E.,M.B.A.,Ph.D.,
Principal
Nadar Saraswathi College of
Engineering and Technology
Vadapudupatti, Theni-625 531.

List of Code Book need to be Approved for M.E /Structural Engineering (R2021)

S.No	Subject Code	Subject Title	IS Codes Required
1	ST4201	Structural Dynamics and Earthquake Engineering	IS 1893 :2002 IS 4326 :1993 IS 13920 :2016
2	ST4202	Advanced Steel structure	IS 800:2007 IS 801:1975 IS 811:1987 SP 6 (1) :1964 IS 875 (Part 1-5):2015 IS 816 : 1969 IS 808 : 1989
3	ST4002	Advanced Concrete Structures	IS 456:2000 SP 16 : 1980(Tables and Charts Only)
4	ST4003	Wind and Cyclone Effects on Structures	IS 875 (Part 1-5):2015
5	CN4071	Advanced Concrete Technology	IS 10262:2019 (Tables 1,2,3,4,5) IS 456 : 2000 (Table 5) ACI 211.1.91 (Table Only) ACI 318-95 (Table Only)
6	ST4010	Advanced Prestressed Concrete	IS 3935:1966 IS 1343: 1980 IS 3370: 2009 IS 784 : 2019 IRC 112 : 2011
7	ST4006	Design of Formwork	IS 456:2000 IS 14687 :1999
8	ST4008	Design of Steel – Concrete Composite Structures	IS 456:2000 IS 800:2007 IS 875 (Part 3) :2015 SP 6 (1) :1964 IS 11384:1985 EN 1994-1-1,2 (Eurocode 4 Part 1-1) EN 1994-2 (Eurocode 4 Part 2)
9	ST4009	Design of Masonry Structures	IS: 2212 – 1991
10	ST4013	Design of Industrial Structures	IS 6533:1971 IS 4995 (Part – 1,2):1974 IS 9178(1,2):1979 IS 4091(1-3):1979 IS 6533:1971 IS 2974(part 2) :1980 IS 802 (1-3):1978 IS 875:2015 SP 6 (1) :1964
11	ST4011	Advanced Design of Foundation Structures	IS 456-2000 IS 13920 :2016
12	ST4016	Design of Bridge Structures	IS 875:2015 IS 456 : 2000 SP 16 : 1980 IRC 6:2017 IRC 18 :2000 IRC 21:2000 IRC 65:1976 IRC 83:20 IRC 112:2019 IRC 122:2017 IS 1343:1980



Mam
Dr. C. MATHALAI SUNDARAM, M.E.,M.B.A.,Ph.D.,
Principal
Nadar Saraswathi College of
Engineering and Technology
Vadapudupatti, Theni-625 531.



Faculty of Civil Engineering
Anna University
Chennai - 600 025

Office : 2235 7544
2235 7426
Fax : 2220 0847

Dr.K.Damparuthi
Professor and Chairman (Civil)

25.11.2014

CODE BOOKS TO BE PERMITTED DURING EXAMINATION

S.No	Code No	Subject	Code books/Hand Books
B.E (Civil Engineering)			
1	CE2352	Design of steel structures RC	IS800-2007 SP6(1)-Hand Book for Structural Engineering IS 875 – Part 3
2	CE2401	Design of PC and Brick Masonry structure	IS456-2000 IS1905-1987 SP 16 (charts & Tables) IS3370-1967 (Part IV)
PG (M.E) Structural Engineering			
1	ST7013	Design of steel concrete composite structures	IS456-2000 IS800-2007 IS875-Part3 SP6(1) IS11384-1985
2	ST7014	Industrial Structures	IS456-2000 IS800-2007 IS3370-1967(IV) IS875-Part3 IS4995-Part1 IS4995-Part2 IS9178-Part1
3	ST7204	Earthquake analysis & design of Structures	IS1893-Part-1 – 2002 IS4326-1993 IS13920-1993
4	ST7203	Steel Structures	IS800 – 2007 IS801 IS875 – Part 3 IS811 SP-6 (Hand Book for Structural Engineering)
5	ST7008	Prestressed Concrete	IS1343 IS3370 (Part I, III & IV) IS784 IS3935
6	ST7010	Design of substructures	IS6403 (Bearing capacity factors Table alone)
7	CN7001	Advanced concrete technology	IS10262 (Table 1,2 &3 only) ACI 211.1.91 (Table only) ACI 318-95 (Table Only)
8	ST7101	Concrete Structures	IS456-2000 SP16 (Charts & Tables only) IS1893-part1 IS13920-1993



25.11.2014
Dr. K. ILAMPARUTHI, M.E, Ph.D.
Professor & Chairman
Faculty of Civil Engineering
Anna University, Chennai-600 025.

Dr. C. MATHALAI SUNDARAM, M.E, M.B.A, Ph.D.,
Principal
Nadar Saraswathi College of
Engineering and Technology
Vadapudupatti, Theni-625 531.

DCE

DEPARTMENT OF CIVIL ENGINEERING
CEGC, ANNA UNIVERSITY, CHENNAI-600 025

Dr. K. NAGAMANI
Professor and Head

To / Examcell
Copy to / Civil
Date: 07.04.2017



Phone: 2235 7633 / 34 / 35 (Office)

Lr.No. HOD (Civil) / Exams / Code Books

To
The Controller of Examinations
Anna University, Chennai - 600 025

Through
The Chairman
Faculty of Civil Engineering, AU

Madam,

Sub: Code Books to be permitted during End semester examinations – Request from the Principal, Nadar Saraswathi College of Engineering & Technology, Theni – Reg.

The code books to be permitted during the End semester examinations of B.E. (Civil Engineering) and M.E. (Structural Engineering) are already furnished and the copy of the same is enclosed. Further, based on the request as cited in the subject, code books and tables & charts from the code books may be permitted during examination of various subjects as listed below:

S.No.	Subject Code & Name	Code Book /Hand Books
1.	CE6504 - Highway Engineering	Relevant Tables and Charts of IRC 37-2001
		Relevant Tables and Charts of IRC 58-2002
2.	CE6505 - Design of Reinforced Concrete Elements	IS456-2000
		Design Charts and Relevant Tables of SP 16
3.	CE6702 – Pre-stressed Concrete Structures	IS1343
		IS3370 (Part I, II, III & IV)
		IS784
4.	CE6002 - Concrete Technology	Relevant Tables and Charts of IS 10262
5.	CE6701 - Structural Dynamics and Earthquake Engineering	IS1893 – 2002
		IS4326 – 1993
		IS13920 – 1993
PG (M.E) Structural Engineering		
1.	ST7014 - Industrial Structures	IS4091-1979 IS802(Part1/Sec1)- 1995

Yours faithfully,

Encd: one a.m.m.e

HOD (Civil).

Copy to:-
The Principal, Nadar Saraswathi College of Engineering & Technology
Vadapudupatti, Theni - 625531

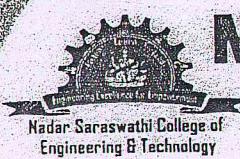
Forwarded
bri
07/04/2017
Dr. K. ILAMPARUTHI, M.E., Ph.D.,
Professor & Chairman
Faculty of Civil Engineering
Anna University, Chennai-600 025.

Dr. C. MATHALAI SUNDARAM, M.E., M.B.A., Ph.D.,
Principal
Nadar Saraswathi College of
Engineering and Technology
Vadapudupatti, Theni-625 531.



Mam

THENI MELAPETTAI HINDU NADARGAL URAVINMURAI



NADAR SARASWATHI COLLEGE OF ENGINEERING & TECHNOLOGY



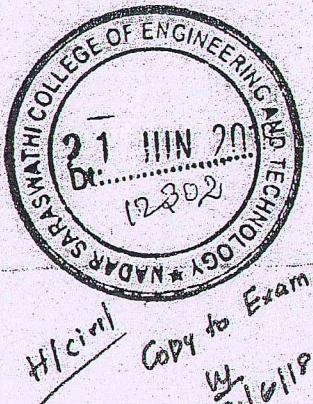
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai

An ISO 9001:2015 Certified Institution

Vadapudupatti, Annanji (po), Theni - 625531.

To

The Chairman,
Faculty of Civil Engineering,
Anna University,
Chennai - 600025.



Date: 12.06.2018

Dr. R. Sowmi
Head DSG Committee
18/6/18

Sir,

Sub: Anna University Examinations – Civil Engineering – Code book to be permitted – Reg

Ref: 1. Your office letter dated: 25.11.2014, for code book to be permitted during Examination
2. Your office letter dated: 07.04.2017, for code book to be permitted during end semester examination.

In reference to the letter cited above, the code books are permitted for the Anna University end semester Examinations for the relevant subjects. It is noticed that the subject code for the subjects were changed for the regulation 2013, and 2017.

Also we are in need to include some of the code books for the M.E Structural Engineering. The list is enclosed. We here by request you to kindly update the list of code books permitted for Regulation 2017 M.E Structural Engineering syllabus for the end semester examinations and send to us at the earliest.

Thanking you,

Yours faithfully,

Theni 12/6/18
Principal

Dr. C. MATHALAI SUNDARAM, M.E., M.B.A., Ph.D.
Principal
Nadar Saraswathi College of
Engineering and Technology
Vadapudupatti, Theni-625 531

Encl:

1. Ref 1 - Office letter dated on 25.11.2014
2. Ref 2 - Office letter dated on 07.04.2017
3. Additional list of code books required - for approval

E-mail: principal@nsct.org

Website: www.nsct.org

Ph. No.: 04546-263900, 2639



Dr. C. MATHALAI SUNDARAM, M.E., M.B.A., Ph.D.

Principal

Nadar Saraswathi College of
Engineering and Technology
Vadapudupatti, Theni-625 531

List of code books need to include for M.E Structural Engineering

S.No	Subject Code	Subject Name	Code Books/Hand Books
1	ST5008	Industrial Structures	SP6(1) (Charts and Tables) (or) Steel Table
2	ST5017	Computer Aided Analysis & Design	IS456-2000 IS800-2007 IS875-Part 3 SP6(1) (Charts and Tables)
3	ST5015	Design of Bridges	IRC 5,6,7,18,21, SP6(1) (Charts and Tables) (or) Steel Table

The above mentioned code books are relevant and permitted.

Bekal
16/6/18
Professor and Head
Division of Structural Engineering
Department of Civil Engineering
Anna University, Chennai - 600 025

Chairman
Faculty of Civil Engineering
Anna University
Chennai - 600 025

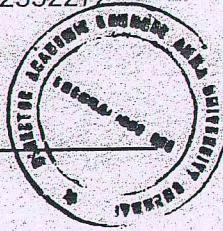


Dr. C. MATHALAI SUNDARAM, M.E., M.B.A., Ph.D.,
Principal
Nadar Sarawathi College of
Engineering and Technology
Vadapudupatti, Theni-625 531.



**CENTRE FOR ACADEMIC COURSES
ANNA UNIVERSITY
CHENNAI - 600 025**

Off: 22357077 / 76
Fax / Dir.: 22352272



**Dr. SANJIB KUMAR PATTANAIK
DIRECTOR**

Letter No. 4108/AU/CAC/2019

To
The Controller of Examinations
Anna University
Chennai – 600 025.

Sir,

Sub: AU – Academic Courses – Anna University Examinations – B. E. Civil Engineering & M. E. Structural Engineering – Code Book to be permitted – requested – reg.

- Ref: 1. Letter received from the Principal, Nadar Saraswathi College of Engineering & Technology, dated 30.10.2019.
2. The Chairperson, Faculty of Civil Engineering remarks, dated 07.11.2019

With reference cited above, it is hereby informed that permission can be granted to use the codes (as given in the table below), inside the examination hall.

No.	Sem	Subject Code	Subject Name	IS Code Permitted
B. E. Civil Engineering				
1.	4	CE8404	Concrete Technology	IS 10262 : 2009 (Tables 1,2 & 3 Only) IS 456 : 2000 (Tables Only)
2.	5	CE8501	Design of Reinforced Cement Concrete Elements	IS 456 : 2000 SP16 (Tables & Charts only)
3.	6	CE8601	Design of Steel Structural Elements	IS 800 : 2007 SP 6 (1) : 1964 IS 875
4.	6	CE8604	Highway Engineering	IRC 37 : 2012- (Respective Charts alone has to be provided) IRC 58:2012 – (Respective Charts alone has to be provided)
5.	6	CE8002	Introduction to Soil Dynamics and Machine Foundations	IS 2974 : 1982 (Part 1) IS 2974 : 1980 (Part 2) IS 2974 : 1992 (Part 3)
6.	7	CE8703	Structural Design and Drawing	IS 800 : 2007 IS 456 : 2000 IS 875 : 2003 (Part 1,2,3) ^{no} IS 3370 : 2009 (Part 1,2) IS 3370 : 2008 (Part 4) ^{no} IS 804 : 1967 (R2008) IS 805 : 1968 (R2006) IRC 21 (Tables and Figures / Charts only) Pigeaud's Curve IRC 6 : 2016
7.	7	CE8006	Pavement Engineering	IRC 37 : 2001 - (Respective Charts alone has to be provided) IRC 58 : 1998 - (Respective Charts alone has to be provided)



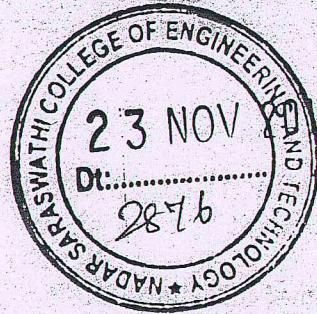
Dr. C. MATHALAI SUNDARAM, M.E, M.B.A, Ph.D.

Principal

**Nadar Saraswathi College of
Engineering and Technology
Vadapudupatti, Theni-625 531.**

20.11.2019

Exam cell
Copy to : H. K. I.
Date : 11/11/19



8.	7	CE8009	Industrial Structures	SP 32 : 1986 (Tables and Figures/Charts only)
9.	7	CE8011	Design of Prestressed Concrete Structures	IS 1343 : 2012 IS 3370 : 2008 (Part 4) IS 784
10.	8	CE8021	Structural Dynamics and Earthquake Engineering	IS 13920 : 1993 IS 1893 : 2002 (Part 1) IS 4326 : 1993

No.	Sem	Subject Code	Subject Name	IS Code Permitted
M. E. STRUCTURAL ENGINEERING				
1.	1	ST5101	Advanced Concrete Structures	IS 456 : 2000 SP 10 (Tables and Charts Only)
2.	2	ST5201	Advanced Steel Structures	IS 800 : 2007 SP 6 (1) - 1964 IS 801 IS 811
3.	2	ST5008	Industrial Structures	IS 4005 – Part 1 IS 4995 – Part 2 IS 9178 – Part 1 IS 4001 : 1979 IS 802 (Part 1 / Sec.1) : 1995 SP 6 (1) : 1964 IS 875
4.	2	ST5009	Prestressed Concrete	IS 3935 IS 1343 : 2012 IS 3370 : 2008 (Part 4) IS 784
5.	2	ST5010	Wind and Cyclone Effects on Structures	IS 875
6.	3	ST5301	Earthquake Analysis and Design of Structures	IS 13920 : 1993 IS 1893 : 2016 (Part 1) IS 4326 : 1993
7.	3	ST5012	Design of Sub structures	IS 6403 (Bearing Capacity factors table alone)
8.	3	ST5014	Design of Steel Concrete Composite Structures	IS 456 : 2000 IS 800 : 2007 IS 875 – Part 3 SP 6 (1) - 1964 IS 11384 : 1985 EN 1994 -1-1 (Eurocode 4 Part 1 -1) EN 1994 -1-2 (Eurocode 4 Part 1 -2) EN 1994 -2 (Eurocode 4 Part 2)
9.	3	ST 5015	Design of Bridges	IRC 5,6,7,18,21 SP 6 (1) - 1964
10.	3	ST5017	Computer Aided Analysis and Design	IS 456: 2000 IS 800 : 2007 IS 875 – Part 3 SP 6 (1) - 1964

Yours faithfully

[Signature] DIRECTOR 20/11/19

Copy to:

- The Principal, Nadar Saraswathi College of Engineering & Technology, Vadaputhupatti, Annanji (PO), Theni – 625 531.
- The stock file – CAC



Dr. C. MATHALAI SUNDARAM, M.E.,M.B.A.,Ph.D.
Principal
Nadar Saraswathi College of Engineering and Technology
Vadapudupatti, Theni-625 531.