



Tulsiramji Gaikwad- Patil college of Architecture

Wardha Road, Nagpur-441 108



RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY, NAGPUR

(Established by Government of Central Provinces Education Department by Notification No. 543, dated 1st of August, 1923 & presently a State University governed by Maharashtra Public Universities Act, 2016/Maharashtra Act No VI of 2017)

(Academic Section)

Shri Chhatrapati Shivaji Maharaj Administrative Building, Mahatma Jyoti Bhabha, Civil Lines, Nagpur-46

Tel No: 02-2633063

Fax No: 022-2632991, 2631347

No. Acad. / Acad. Calc. /2017/18

Date: 15 April, 2017

NOTIFICATION

It is notified for general information of all the University conducted/ conducted/ affiliated colleges and Post-Graduate Teaching Departments of the University that the Academic Calendar for the session 2017-18 will be as under:

A) ACADEMIC CALENDAR FOR THE COURSES CONDUCTED AS PER ANNUAL PATTERN FOR SESSION 2017-18.

1. Terms & Vacation

First Term :	15.06.2017 to 15.10.2017
Winter Vacation :	16.10.2017 to 14.11.2017
Second Term :	15.11.2017 to 30.04.2018
Summer Vacation :	01.05.2018 to 14.06.2018

2. Admissions

a) Last date of Admission :	7 th August, 2017
b) Last date for Admission with prior permission of the Vice-Chancellor :	7 th September, 2017

3. Last date of submission of Enrolment forms to the university :	Within fifteen days from the last notified date of Admission.
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4. Examination

Winter Examinations.

1. Commencement of Exam. :	03.10.2017
2. Last date for receipt of exams. forms	
a) Regular Students *	15.07.2017
b) External Students	15.06.2017
c) Old Ex-Students	15.05.2017
d) Ex-Students of immediately previous examination	Within 15 days from the date of declaration of the result of summer exam

Summer Exams.

1. Commencement of Exams. :	20.02.2018
2. Last date for receipt of exams. forms	
a) Regular Students *	01.12.2017
b) Old Ex-Students	15.10.2017
c) External Students	15.10.2017
d) Ex-Students of immediately previous exam.	Within 15 days from the date of declaration of the result of winter exam

5. Declaration of Results :	As per governing provisions of the Act.
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B) ACADEMIC CALENDAR FOR THE COURSES CONDUCTED AS PER SEMESTER PATTERN FOR SESSION 2017-18.

1. Terms & Vacation

First Term (Odd semesters)	15.06.2017 to 15.10.2017
Diwali Holidays / Winter Vacation	16.10.2017 to 14.11.2017
Second Term (Even semesters)	15.11.2017 to 30.04.2018
Summer Vacation	01.05.2018 to 14.06.2018

2. Admissions

a) Last date of Admission (First term, odd sem) :	7 th August, 2017
b) Last date for Admission with prior permission of the Vice-Chancellor :	7 th September, 2017



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Wardha Road, Nagpur-441 108

(2)

3. Last date of submission of Enrolment forms to the university : Within fifteen days from the last notified date of Admission
4. Examination
1. Winter Examinations.
- Commencement of Exam.
- a) Regular students in odd semesters : 24.10.2017
- b) Failure Student in even semesters : 03.10.2017
2. Last date for receipt of exams. Forms
- a) Regular students : 31.8.2017
(for admissions other than 1st year)
- b) Old Ex-Students & External Students : 15.5.2017
- c) Ex-Students of immediately previous examination : Within 15 days from the date of declaration of the result of summer Exams.
1. Summer Exams.
- Commencement of Exams.
- a) Regular Even semester : 13.03.2018
- b) Failure of odd semester : 20.02.2018
2. Last date for receipt of exams. Forms
- a) Regular Students : 15.1.2018
- b) Old Ex-Students & External Students : 15.10.2017
- c) Ex-Students of immediately previous exam : Within 15 days from the date of declaration of the result of winter Exams.
5. Declaration of Results : As per governing provisions of the Act.

Special Instructions :

- 1) The Principals/Heads of the institutions should communicate the list of students admitted in their colleges/ institutions to the university within 15 days from the last date of admission as notified by the university.
- 2) Students admitted after the last date as specified above shall not be considered for enrolment in the University and therefore, shall not be permitted to appear at the university examinations.
- 3) All government & other holidays are calculated on the basis of last year's statistics. It is likely to be same except small variations after the declaration by the Government/authorities. The schedule of such holidays will be separately notified by the university at the beginning of Calendar Year.
- 4) Theory and Practical examinations may be held on Sunday with prior permission and intimation.
- 5) M. Card (Machine Card) must be sent by the Principal/University Heads of the Department, within 30 days from the last date of admission as notified by the university, strictly in MS Excel software.
- 6) It is necessary by the Principals/Head of the Department to certify the number of actual teaching days conducted during the academic session.
- 7) All efforts should be made to achieve more than 180 teaching days in Annual Pattern and 90 days per Semester in Semester Pattern.
- * Applicable where the academic terms is of 1 ½ Year as Per the Guidelines of apical body & notified by University
- 8) The Last Date of examination forms for CAP round admission will be 15 days from the last date of admissions.
- 9) Admission governed by **Conditional Eligibility** the last date of submitted of examinations form will be within fifteen days of declaration of its qualifying examinations provided such students should have been admitted provisionally for its next higher academic session in second term (even semester) & their admissions are getting confirmed on the declaration of such qualifying exams.

By Order of the Hon'ble Vice- Chancellor

(Puranchandra Meshram)
Registrar

Copy forwarded for information and necessary action to :-

1. P.A. to Hon'ble Vice-Chancellor, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur
2. P.A. to Hon'ble Pro-Vice-Chancellor, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur
3. P.A. to Registrar, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur
4. The Principals of all Colleges / Head of the Post- Graduate Teaching Departments of the Rashtrasant Tukadoji Maharaj, Nagpur University, Nagpur.
5. All Officers of the Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur
6. The Registrar of All Universities in the Maharashtra State.
7. Smt. Veena Prakashe, Information Scientist, University Campus Library, RTMNU, Nagpur
8. The Editor, All local News Papers. They are requested to kindly publish the above Notification in their esteemed News Paper as a News Item.

(Dr. Anil Hirekhan)
Deputy Registrar (Acad.)



RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY, NAGPUR

(Established by Government of Central Provinces Education Department by Notification No. 513, dated 1st of August, 1923 & presently a State University governed by Maharashtra Public Universities Act, 2016 (Maharashtra Act No. VI of 2017))

(Academic Section)

Shri Chatrapati Shivaji Maharaj Administrative Premises, Maharajbagh Chowk, Civil Lines, Nagpur -01

Tel No.: 0712- 2532063

Fax No. 0712- 2532841, 2561347

No. Acad. /Acad .Cale. /2018/ 571

Date: 26 April, 2018

NOTIFICATION

It is notified for general information of all the University conducted/ constituent/ affiliated colleges and Post-Graduate Teaching Departments of the University that the Academic Calendar for the session 2018-19 will be as under:

A) ACADEMIC CALENDAR FOR THE COURSES CONDUCTED AS PER SEMESTER PATTERN FOR SESSION 2018-19.

1. Terms & Vacation

First Term (Odd semesters)	:	15.06.2018 to 17.10.2018
Diwali Holidays / Winter Vacation	:	18.10.2018 to 17.11.2018
Second Term (Even semesters)	:	19.11.2018 to 30.04.2019
Summer Vacation	:	01.05.2019 to 14.06.2019

2. Admissions*

a) Last date of Admission (First term odd sem)	:	6 th August, 2018
b) Last date for Admission with prior permission of the Vice-Chancellor	:	6 th September, 2018

3. Last date of submission of Enrolment forms to the university : Within fifteen days from the last notified date of Admission

4. Examination

1. Winter Examinations.

Commencement of Exam.

a) Regular students in odd semesters	:	18.10.2018
b) Failure Student in even semesters	:	03.10.2018

2. Last date for receipt of exams. forms

a) Regular students	:	31.8.2018 (for admissions other than 1st year)
b) Old Ex-Students & External Students	:	15.5.2018
c) Ex-Students of immediately previous examination	:	Within 15 days from the date of declaration of the result of summer Exams.

1. Summer Exams.

Commencement of Exams.

a) Regular Even semester	:	12.03.2019
b) Failure of odd semester	:	20.02.2019

2. Last date for receipt of exams. Forms

a) Regular Students	:	15.01.2019
b) Old Ex-Students & External Students	:	15.10.2018
c) Ex-Students of immediately previous exam	:	Within 15 days from the date of declaration of the result of winter Exams.

5. Declaration of Results : As per governing provisions of the Act.

B) ACADEMIC CALENDAR FOR THE COURSES CONDUCTED AS PER ANNUAL PATTERN FOR SESSION 2018-19.

1. Terms & Vacation

First Term :	:	15.06.2018 to 17.10.2018
Winter Vacation	:	18.10.2018 to 17.11.2018
Second Term	:	19.11.2018 to 30.04.2019
Summer Vacation	:	01.05.2019 to 14.06.2019

2. Admissions*

a) Last date of Admission	:	6 th August, 2018
b) Last date for Admission with prior permission of the Vice-Chancellor	:	6 th September, 2018



: 2 :

- 3. Last date of submission of Enrolment forms to the university** : Within fifteen days from the last notified date of Admission.
- 4. Examination**
- Winter Examinations.**
1. Commencement of Exam. : 03 .10.2018
2. **Last date for receipt of exams. forms**
- a) Regular Students : 16.07.2018
- b) External Students : 15.05.2018
- c) Old Ex-Students : 15.05.2018
- d) Ex-Students of immediately previous examination : Within 15 days from the date of declaration of the result of summer exam
- Summer Exams.**
1. Commencement of Exams. : 20.02.2019
2. **Last date for receipt of exams. forms**
- a) Regular Students : 01.12.2018
- b) Old Ex-Students : 15.10.2018
- c) External Students : 15.10.2018
- d) Ex-Students of immediately previous exam. : Within 15 days from the date of declaration of the result of winter exam
- 5. Declaration of Results** : As per governing provisions of the Act.

Special Instructions :

- 1) The Principals/Heads of the institutions should communicate the list of students admitted in their colleges/ institutions to the university within 15 days from the last date of admission as notified by the university.
- 2) Students admitted after the last date as specified above shall not be considered for enrolment in the University and therefore, shall not be permitted to appear at the university examinations.
- 3) All government & other holidays are calculated on the basis of last year's statistics. It is likely to be same except small variations after the declaration by the Government/authorities. The schedule of such holidays will be separately notified by the university at the beginning of Calendar Year.
- 4) Theory and Practical examinations may be held on Sunday with prior permission and intimation.
- 5) M. Card (Machine Card) must be sent by the Principal/University Heads of the Department, within 30 days from the last date of admission as notified by the university, strictly in MS Excel software.
- 6) It is necessary by the Principals/Head of the Department to certify the number of actual teaching days conducted during the academic session.
- 7) All efforts should be made to achieve more than 180 teaching days in Annual Pattern and 90 days per Semester in Semester Pattern.
- * This schedule is applicable only for the entry level admissions to various courses excluding the courses where admissions are governed by centralized admission process. Therefore, the last date for admissions in higher level semesters shall be 10 days after results of the qualifying examinations
- 8) The Last Date of examination forms for CAP round admission will be 15 days from the last date of admissions.
- 9) Admission governed by **Conditional Eligibility** the last date for submission of examinations form shall be within fifteen days after declaration of its qualifying examinations provided such students should have been admitted provisionally for its next higher academic session as per Direction No. 27 of 2008 and 6 of 2010

By Order of the Hon'ble Vice- Chancellor


(Dr.Puranchandra Meshram)
Registrar



Tulsiramji Gaikwad- Patil college of Architecture

Wardha Road, Nagpur-441 108

TULSIRAMJI GAIKWAD-PATIL COLLEGE OF ARCHITECTURE ACADEMIC CALENDER 2018-2019 ODD SEM.

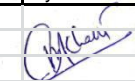
	June	July	August	September	October	November
Monday						
Tuesday			1			
Wednesday			2			1
Thursday	1		3			2
Friday	2		4	1		3
Saturday	3	1	5	2	Bakri ID	4
Sunday	4	2	6	3		5
Monday	5	3	7	4	2	Mahatma Gandhi Jayanti
Tuesday	6	4	8	5	Teacher's Day	3
Wednesday	7	5	9	6	4	NASA
Thursday	8	6	10	7	5	NASA
Friday	9	7	11	Workshop	8	6
Saturday	10	8	12	Workshop	9	7
Sunday	11	9	13	Workshop	10	8
Monday	12	Reopening	14	PTM	11	9
Tuesday	13		15	Indepence Day	12	10
Wednesday	14		16		13	11
Thursday	15		17		14	12
Friday	16		18		15	Foundation Day
Saturday	17	Site visit	19		16	Site visit
Sunday	18		20		17	15
Monday	19		21	First Year Joining & Aara	18	16
Tuesday	20		22	Arambh	19	17
Wednesday	21		23	Arambh	20	18
Thursday	22		24	Arambh	21	19
Friday	23		25	Ganesh Chaturti	22	20
Saturday	24		26		23	21
Sunday	25		27		24	22
Monday	26	24	Sessionals	28	25	23
Tuesday	27	25	Sessionals	29	National Sports Day Talk	26
Wednesday	28	26	Sessionals	30	27	25
Thursday	29	27		31	28	26
Friday	30	28			29	27
Saturday		29			30	Dussersa
Sunday		30				29
Monday		31				30
						31
Interaction Day	16	days	24	days	22	days
						10
						days
						23
						days
						95
						total days

Saturday -Class test, Extra classes, Guest lectured, staff seminar.

Note : i) This calendar is subject to modification

ii) All the concerned (students, staff) shall plan their academic schedule to match with this calendar.

Principal, TGPCA


PRINCIPAL
Tulsiramji Gaikwad-Patil College
of Architecture, Nagpur



Tulsiramji Gaikwad- Patil college of Architecture

Wardha Road, Nagpur-441 108

TULSIRAMJI GAIKWAD-PATIL COLLEGE OF ARCHITECTURE ACADEMIC CALENDER 2018-2019 EVEN SEM.												
	December		January		February		March		April		May	
Monday										1		
Tuesday			1	Winter Vacations						2		
Wednesday			2							3	PTM	1
Thursday			3							4	Alimni meet	2
Friday			4			1		1		5	Graduation Cermony	3
Saturday	1	Freshers eve	5		2	Site visit	2	guest lecture	6	6	Gudi padava	4
Sunday	2		6		3		3		7			5
Monday	3	Reopening	7		4	Heritage Walk	4	Mahashivaratri	8	8	Farewell	6
Tuesday	4	Study tour	8		5		5		9			7
Wednesday	5	Study tour	9	Guest lecture	6		6	expert lecture	10			8
Thursday	6	Study tour	10		7		7		11			9
Friday	7	Study tour	11		8		8	women's day	12	12	Last Teaching Day	10
Saturday	8	Study tour	12	Site Visit	9	site visit	9		13	13	Ram anvami	11
Sunday	9		13		10		10		14			12
Monday	10		14	Guest Lecture	11		11		15	15	PUT	13
Tuesday	11		15	Makar sankranti cele	12		12		16	16	PUT	14
Wednesday	12		16		13		13		17	17	PUT	15
Thursday	13		17		14	valentine day	14		18	18	PUT	16
Friday	14		18		15		15	blood donation camp	19	19	Good Friday	17
Saturday	15	site visit	19		16		16		20	20		18
Sunday	16		20		17		17		21	21		19
Monday	17		21		18		18		22	22	Uni. Practicla Exam	20
Tuesday	18		22		19	Shivaji Jayanti	19		23	23	Uni. Practicla Exam	21
Wednesday	19		23		20		20		24	24	Uni. Practicla Exam	22
Thursday	20		24		21		21	Holi	25	25	Uni. Practicla Exam	23
Friday	21	Quize IGBC	25		22		22		26	26	Uni. Practicla Exam	24
Saturday	22		26	Republic Day	23	seminar	23	Workshop	27	27		25
Sunday	23		27		24		24		28	28		26
Monday	24	Winter Vacations	28		25		25	Seminar	29	29		27
Tuesday	25	Winter Vacations	29		26		26		30	30		28
Wednesday	26	Winter Vacations	30		27		27					29
Thursday	27	Winter Vacations	31		28		28					30
Friday	28	Winter Vacations					29					31
Saturday	29	Winter Vacations					30					
Sunday	30	Winter Vacations					31					
Monday	31	Winter Vacations										
Interaction Day	16	days	25	days	23	days	23	days	9	days		
									96	total days		

Note : i) This calendar is subject to modificatio

ii) All the concerned (students, staff) shall plan their academic schedule to match with this c

Principal, TGCA

(Signature)
Principal

Tulsiramji Gaikwad-Patil College
of Architecture, Nagpur



Report on Bridge Course (2017-18)

1. **Event title** :- Bridge Course
2. **Event date** :- 1 August 2017
3. **Duration** :- 5 days
4. **Event Resource person** :- Mr. Akil Shekh
5. **Details** :- Asst. Prof. at Tulsiramji
Gaikwad-Patil College of
Architecture
6. **Event coordinator** :- Mr. Nitesh Jibhkate
7. **No. of student Present** :- 23
8. **Event objective** :- To minimize the level difference
between school and university
curriculum
9. **Outcome** :- learned subject in more applied
pattern.


PRINCIPAL
Tulsiramji Gaikwad-Patil College
of Architecture, Nagpur



Tulsiramji Gaikwad- Patil college of Architecture

Wardha Road, Nagpur-441 108





**Bridge Course
2017-18**

Dt: 29/07/2017

All the students of B.Arch first year are hereby informed that Bridge course 2017 schedule between 1/8/2017 to 5/8/2017. So all students have to attend the classes as per schedule.

Ar. Renuka Potdar
Faculty incharge



Tulsiramji Gaikwad- Patil college of Architecture

Wardha Road, Nagpur-441 108

2017-18

Bridge Course

All the students of first year are hereby informed that the time table of Bridge course is as follows:

Date	Time	Subject
1/08/2017	10:30 am – 12:30 pm	Mathematics
	1:30 pm – 3:30 pm	English
	3:30- pm – 4:30 pm	Basic Design
2/08/2017	10:30 am – 12:30 pm	Mathematics
	1:30 pm – 3:30 pm	English
	3:30- pm – 4:30 pm	Basic Design
3/08/2017	10:30 am – 12:30 pm	Mathematics
	1:30 pm – 3:30 pm	English
	3:30- pm – 4:30 pm	Basic Design
4/08/2017	10:30 am – 12:30 pm	Mathematics
	1:30 pm – 3:30 pm	English
	3:30- pm – 4:30 pm	Basic Design
5/08/2017	10:30 am – 12:30 pm	Mathematics
	1:30 pm – 3:30 pm	English
	3:30- pm – 4:30 pm	Basic Design

- Saru
1. -Sankshu Khutse
 2. Yash Bodole *Yash*
 3. Muskan Shaktia *Muskan*

Principals
Tulsiramji Gaikwad-Patil College
of Architecture, Nagpur



2017-18
Bridge Course
Attendance Sheet

Sr.No.	Name Of Students	1/08/2017	2/08/2017	3/08/2017	4/08/2017	5/08/2017
1	Yash Sanjay Bodele	A	P	P	P	P
2	Prathapesh Vilas Joshi	P	P	P	A	P
3	Deepak Tripathi	P	P	P	P	P
4	Ashwini Dattarao Londhe	P	P	A	P	P
5	Sakshi Prakash Fulzele	P	P	P	P	P
6	Ujwala Balkrishan Nalwale	P	P	P	P	P
7	Anjali Baburao Sawant	A	P	P	P	P
8	Yash Balwant Mankar	P	P	P	P	P
9	Sukanya Chhagan Dhakate	P	P	P	P	P
10	Kanchan Madhuraorao Dongre	P	P	P	P	A
11	Samiksha Umakant Khupse	P	P	P	P	P
12	Prajakta Lildhar Sthawane	P	P	P	P	A
13	Aniket Ravindra Wanjari	A	P	P	P	P
14	Bhubika Virendra Deshbhratar	P	P	P	P	A
15	Ritesh Rohidas Jadhao	P	A	P	P	P
16	Vaishnavi Milind Dhotkar	P	P	P	P	P
17	Sarladevi Janardhan Gedam	P	P	P	P	A
18	Pranjali Prakash Dekate	P	P	P	P	A
19	Nikita Mahesh Pandya	P	P	P	P	P
20	Mayuri Devnath Hirekan	P	A	P	P	P
21	Akshat Singh Thakur	P	P	A	P	P

(Signature)



Tulsiramji Gaikwad- Patil college of Architecture

Wardha Road, Nagpur-441 108

Session 2017-18

Circular

The following students are informed that they have to positively attend the remedial classes from 23/10/2017 to 28/10/2017.

Sr. No.	Name of students	Remedial Classes to be conducted for following subjects
1	UJWALA BALKRISHAN NALWALE	SDS, CT & M, Design-I
2	KANCHAN MADHAORAO DONGRE	History and AG-I
3	SAMIKSHA UMAKANT KHUPSE	SDS, CT & M, Design-I
4	BHUBIKA VIRENDRA DESHBHRATAR	SDS, CT & M, Design-I, History and AG-I
5	PRANJALI PRAKASH DEKATE	SDS, CT & M, Design-I, History and AG-I
6	MAYURI DEVNATH HIREKAN	SDS, CT & M, Design-I
7	SADHICHHA DINESH BODAKHE	SDS, CT & M, Design-I



Principal
PRINCIPAL
Tulsiramji Gaikwad-Patil College
of Architecture, Nagpur



Tulsiramji Gaikwad- Patil college of Architecture

Wardha Road, Nagpur-441 108

Session 2017-18

Remedial Classes Time table

1st Semester

w.e.f: 23/10/2017 to 28/10/2017

Day/Time	10:30-11:30	11:30-12:30	12:30-1:30	1:30-2:30	2:30-3:30
Monday	SDS	SDS	Lunch Break	Design-1	History
Tuesday	SDS	SDS		Design-1	History
Wednesday	SDS	SDS		Design-1	History
Thursday	CT & M	CT & M		Design-1	AG-1
Friday	CT & M	CT & M		Design-1	AG-1
Saturday	CT & M	CT & M		Design-1	AG-1

SDS : Er. Nitesh Jibhkate

CT & M : Ar. Renuka Potdar

Design-1 : Ar. Atul Lalsare

History : Ar. Vandana Khante

AG-1 : Ar. Renuka Potdar

Time-Table Incharge



Principal
Tulsiramji Gaikwad-Patil College
of Architecture, Nagpur



Tulsiramji Gaikwad- Patil college of Architecture

Wardha Road, Nagpur-441 108

2017-18

Remedial Classes Ist Sem

Attendance Sheet

Sr.No.	Name Of Students	2/10/17	3/10/17	4/10/17	5/10/17	6/10/17
1	Ujwala Balkrishan Nalwale	A	P	P	P	P
2	Kanchan Madhavrao Dongre	P	P	P	P	P
3	Samiksha Umakant Khupse	P	P	P	P	A
4	Bhubika Virendra Deshbhratar	P	P	A	P	P
5	Pranjali Prakash Dekate	P	P	P	A	P
6	Mayuri Devnath Hirekan	P	P	P	P	P
7	Sadhichha Dinesh Bodakhe	A	P	P	P	P

PRINCIPAL

Tulsiramji Gaikwad-Patil College
of Architecture, Nagpur



Tulsiramji Gaikwad- Patil college of Architecture

Wardha Road, Nagpur-441 108

Session 2018-19 (ODD SEM)

Subject: CONSTRUCTION TECHNOLOGY & MATERIALS -III

Unit I:

Tiles, Steel, Aggregate, Reinforcement Bars

ASSIGNMENT-1

1. What are the characteristics of a good tile? Explain the procedure of laying of tiles with appropriate sketches. CO1
2. Write short notes on the following with the help of neat sketches: CO2
 - (i) Dado
 - (ii) Vitrified tiles
 - (iii) Interlocking tiles
 - (iv) Encaustic tiles
 - (v) Guna tiles
 - (vi) Mangalore tiles
3. Specify at what locations will you suggest the tiling materials CO3
 - 1.Marble 2.Kota 3.Rough granite 4.Shahbad
4. Compare factory made and Natural Floor tile CO4

Course In-charge

HOD (T.G.P.C.A.)

COURSE OUTCOMES	
CO1	Understanding of quality of tile and process of laying.
CO2	Understanding the various tiles available in Market.
CO3	Understanding the types of stone used for flooring and wall cladding
CO4	Understand the advantages and disadvantages of natural and factory made tiles



Tulsiramji Gaikwad- Patil college of Architecture

Wardha Road, Nagpur-441 108

Subject:- Construction Technology & Materials -III

Semester:- III

SYLLABUS:- Unit I: Tiles, Steel, Aggregate, Reinforcement Bars

Unit II: Concept of vertical connector – Study of staircases – Types on the basis of geometry, materials and structural systems used for it.

Unit III: Concept of spanning and its extension in formation of roofs and floors. Traditional methods of flooring such as timber floors, mud floors, jack arch floors. Types of timber roofs, trussed roofs in timber and steel, north light roofs, sky lighting.

Unit IV: Principle of framed structure: R.C.C. as a building material and all R.C.C. elements, steel framed structures.

TEACHING PLAN – YEAR 2017-18

			Subject Teacher : 1) Prof. Renuka Potdar		
Sr. No.	Course Objective (CO)	Topics to be covered / Assignment title	Lect.hrs	Studio	Submission dates & title
1.	CO3	Types of flooring and roofing material available	6		Assi. 1: Market survey reports.
2.	CO1	Types of Vertical Connectors	3		Measure drawing
3.	CO1	Understanding different material available for stairs & geometry of stairs	3	4	Measure drawing
4.	CO1	Understanding RCC & Timber stairs		4	Measure drawing
5.	CO2	Timber And Steel roofing System	3	8	Measure drawing
6.	CO2	Understanding Timber Floors	2	4	Measure drawing
7.	CO4	Understanding RCC for different building elements	3	12	Measure drawing
8.		Revision	3		

Course Code	Course Outcomes
3S-A-2CO1	Understanding of vertical connectivity
3S-A-2CO2	Understanding of spanning using different roofing material
3S-A-2CO3	Understanding of flooring and roofing material
3S-A-2CO4	Understanding the role of reinforcement in R.C.C construction

Note: i) 75% Attendance is compulsory.



R. Potdar



TGPCA/18-19/MT/3S-A-2

Tulsiramji Gaikwad-Patil College of Architecture, Nagpur
III Semester B.Arch. (CBS)
Mid Term Examination

Subject: CONSTRUCTION TECHNOLOGY & MATERIALS -III

Time: 1 Hour

Max Marks:40 Marks

Instructions to candidates:

1. Solve Q.1 OR Q.2 ; Q.3 OR Q.4
2. Assume suitable data wherever necessary.
3. All question carry Equal marks.
4. Illustrate your answer wherever necessary with the help of neat sketch.

Q.1. A timber dog legged staircase is to be provided at the entrance foyer of an office to reach the height of 3.00 m. Draw to 1:10 scale plan and longitudinal section passing through flight and mid landing [CO1]

OR

Q.2. Write short notes on following

1. Nosing
2. Newel post
3. Waist slab
4. Stringer beam

[CO1]

Q.3 Explain with neat sketches difference between single, double and triple timber flooring with members of flooring.. [CO2]

OR

Q.4. A Workshop with GI sheets as roofing material is to be constructed with 12m clear span. The trusses are to be supported on 230mm thick brick wall. Draft sectional details for steel roof truss to suitable scale.

Draw joinery details:

- a) Fixing of GI sheet to the truss.
- b) Purlin connection to principle rafters
- c) Fixing of gutter
- d) Gusset plate joinery detail

[CO2]

Course Code	Course Outcomes
3S-A-2CO1	Understanding of vertical connectivity
3S-A-2CO2	Understanding of spanning using different roofing material
3S-A-2CO3	Understanding of flooring and roofing material
3S-A-2CO4	Understanding the role of reinforcement in R.C.C construction