THIAGARAJAR COLLEGE OF ENGINEERING - MADURAI 625 015
TCE-III

(2015 - 2016)

S.No	One credit course need analysis sheet	
1.	Name of the Course B/G -	Precast Technology in Building
2.	Name of the Industry	L&T Bangalore
3.	Name of the SIG associated with	Structures - Analysis & Design
4.	Motivation for offering the course	
4.1	Feedback (If yes, Details of the feedback as per the annexure I)	
	From Recruiter	Y/N
	From Employer	Y/N
	From Alumni	Y/N
	From Academic Council members	Y/N
	From Board of Studies members	Y/N
	From Senior students	Y/N
	From current students	Y/N
	From Performance Assessment Committee	Y/N
	From Department Advisory committee	Y/N
4.2	Faculty participation in Seminar/FDP (If yes, details)	
	At higher learning institutes	NIL
	At Industry	NIL
5.	Outcomes expected	
	Technology transfer	✓
	Student Internship	–
	Placement	–
	Organizing FDP/seminar at TCE	–
	Collaborative research/consultancy projects	–
	Faculty as Trainee/Trainer in the Industry	–
	Joint publications	–
	Setting up of Lab/Infrastructure	–

THIAGARAJAR COLLEGE OF ENGINEERING - MADURAI 625 015
TCE-III

Attendance sheet for the one/~~two~~ credit

Name of the Course: B16 - Precast Technology in Buildings
Name of the Industry: Larsen & Toubro Ltd, Bangalore
Name of the Expert: Mr. R. Karunanithi
Number of Students enrolled: 102
Name of the Faculty: R. SANKARANARAYANAN
Date/Time/Venue: 29.08.15 & 30.8.15
9.00 to 5.00 PM
Civil - Conference Hall

S.No	Reg.No	Name	Department	Signature
—	—	As enclosed	—	—

R Sankaranarayanan
Signature of the Faculty Coordinator

THIAGARAJAR COLLEGE OF ENGINEERING - MADURAI 625 015

TCE-III

Course Schedule

Name of the Course: BIM - Precast Technology in Buildings

Name of the Industry: Larsen & Toubo Ltd, Bangalore

Name of the Expert: Er. R. Karunanithi

Number of Students enrolled: 102

Name of the Faculty: R. SANKARANARAYANAN

Date/Time/Venue: 29.08.15 & 30.8.15
Civil - Conference Hall

Date	Time	Topics	Remarks
Day1	9.00 to 11.00 AM	Module No 1.0 & 1.1	Syllabus enclosed
	11.30 to 1.00 PM	1.2 & 1.21 & 1.3	
Day2	2.00 to 3.00	2.0, 2.1, 2.1.1, 2.1.2	
	3.15 to 5.00PM	2.2 & 2.3	
	—		

R. Sankaranarayanan
Signature of the Faculty coordinator

THIAGARAJAR COLLEGE OF ENGINEERING - MADURAI 625 015

Course Instructor Feedback for One/~~Two~~ credit course

TCE-III

Name of the Course: BIM - Precast Technology in Buildings.
Name of the Industry: Larsen & Toubro Ltd, Bangalore
Name of the Expert: Er. R. Karunanithi
Date/Time/Venue: 29.8.15 & 30.8.15.

one-page writeup (enclosed)

	Comments
Student attendance	Satisfactory
Level of the students in understanding the concepts	Very good
Any suggestions regarding new content to be included as Prerequisites/Special electives	NIL
Hall/Lab arrangements	Good
Hospitality	Good

for R. Santhanakrishnan
Signature of the Course Instructor

Signature of Head of the Department

THIAGARAJARCOLLEGE OF ENGINEERING, MADURAI – 625 015
(A Govt. aided, ISO 9001:2008 certified, Autonomous Institution affiliated to Anna University)

ONE CREDIT COURSE
B1G – PRECAST TECHNOLOGY IN BUILDINGS
ATTENDANCE

Branch: Civil Engineering

Si No	Roll No	Sec	Name	29.8.15	29.8.15	30.8.15	30.8.15	%
1	13B02	V	AJEETH, A.N.	/	/	/	/	100
2	13B05	V	ARJUN, S.	/	/	/	/	100
3	13B07	V	ARUNKUMAR, S.	/	/	/	/	100
4	13B09	V	BALAMURUGAN, R.	/	/	/	/	100
5	13B12	V	BOOPATHI, K.S.	/	/	/	/	100
6	13B13	V	CHANDRA SHEKAR, V.	/	/	/	/	100
7	13B15	V	DHIVAKARAN, K.S.	/	/	/	/	100
8	13B16	V	DHIVYASHRI, H.	/	/	/	/	100
9	13B17	V	DINESH DEVANANDH, K.	/	/	/	/	100
10	13B18	V	DINESH KUMAR, G.	/	/	/	/	100
11	13B23	V	GANGA SINGH, J.	/	/	/	/	100
12	13B26	V	GOKULNATH, R.	/	/	/	/	100
13	13B27	V	GOPAL, P.	/	/	/	/	100
14	13B38	V	MANEMARAN, C.	/	/	/	/	100
15	13B42	V	MANISHA, K.	/	/	/	/	100
16	13B46	V	MEENAKSHI, S.	/	/	/	/	100
17	13B45	V	MATHIVANAN, K.M.	/	/	/	/	100
18	13B135	V	TAMILSELVAN, P.	/	/	/	/	100
19	13B55	V	MUZAMMIL AHAMED, A.	/	/	/	/	100
20	13B126	V	MUTHUKUMAR, S.	/	/	/	/	100
21	13B132	V	SHAKTHI PRIYA, D.S.	/	/	/	/	100
22	13B139	V	VENKATESH, K.K.	/	/	/	/	100
23	14TB01	V	PRETHIVI RAAJAN	/	/	/	/	100
24	13B53	V	MUNIRATHINAM, M.	A	/	/	/	75
25	13B129	V	PAVITHRA SANGARI, P.V.	/	/	/	/	100
26	13B41	V	MANIKANDAN, S.	/	/	/	/	100
27	13B25	V	GOKULHASAN, S.	/	/	/	/	100
28	13B28	V	ILAKKIYA, B.	/	/	/	/	100
29	13B01	V	ABDUS SALAM JAWAHAR, U	A	/	/	/	75
30	13B61	V	NIVETHA, S.	/	/	/	/	100
31	13B62	V	NIVETHITHA, S.	/	/	/	/	100
32	13B64	V	PAVITHRA SANGAVI, V.	/	/	/	/	100
33	13B65	V	PRADEEP REYNOLD, A.	/	/	/	/	100
34	13B67	V	PRAKASH, R.	/	/	/	/	100
35	13B70	V	PRAVEEN KUMAR, GR.	/	/	/	/	100
36	13B71	V	PRAVEEN, K.	/	/	/	/	100
37	13B72	V	PREETHA, M	/	/	/	/	100
38	13B75	V	PRIYADHARSHINI, E.	/	/	/	/	100
39	13B76	V	PRIYANKA, A.J.	/	/	/	/	100
40	13B79	V	RAHUZL, A.D.P.	/	/	/	/	100
41	13B81	V	REETHIKA MEENAKSHI, P.	/	/	/	/	100
42	13B83	V	SANGILIPANDI, M.	/	/	/	/	100

43	13B84	V	SANKAVI, C.S.	/	/	/	/	100
44	13B85	V	SARAVANAKANNAN, M.	/	/	/	/	100
45	13B86	V	SARAVANAN, P.	/	/	/	/	100
46	13B90	V	SELVENDRAN, B.	/	/	/	/	100
47	13B92	V	SHIVAPARAMAESHWARI, S.	/	/	/	/	100
48	13B93	V	SIDDHARTH, S.	/	/	/	/	100
49	13B95	V	SIVA, P.E.	/	/	/	/	100
50	13B96	V	SOUNDAR RAJ, S.	/	/	/	/	100
51	13B97	V	SUBANITHA, R.	/	/	/	/	100
52	13B98	V	SUNANTHAPRIYA, S.	/	/	/	/	100
53	13B99	V	SURENDRAN, S.	/	/	/	/	100
54	13B101	V	SWEETY, S.	/	/	/	/	100
55	13B102	V	VALLIAMMAI, MR.	/	/	/	/	100
56	13B103	V	VEERA SELVI, S.	/	/	/	/	100
57	13B107	V	VIGNESH WARAN, G.	/	/	/	/	100
58	13B108	V	VIGNESH, M.	/	/	/	/	100
59	13B109	V	VIGNESH, V.	/	/	/	/	100
60	13B110	V	VIGNESHWARI, S.N.	/	/	/	/	100
61	13B111	V	VIKRAM,C.	/	/	/	/	100
62	13B112	V	VIMAL KUMAR, S.	/	/	/	/	100
63	13B114	V	VISHNUVARDHAN, S.	/	/	/	/	100
64	13B115	V	VISHNUVARDHINI, S.	/	/	/	/	100
65	13B116	V	ZUBIN SIDDHARTH KRISHNA, D.	/	/	/	/	100
66	13B133	V	SHANKARA NARAYANAN, M.	/	/	/	/	100
67	13B141	V	VISHNU, M.	/	/	/	/	100
68	13B80	V	RAJGANESH, P.	/	/	/	/	100
69	13B88	V	SATHISH KUMAR, P.	/	/	/	/	100
70	13B32	V	KARTHIK,M	/	/	/	/	100
71	13B08	V	ARUN RAJA,M.	/	/	/	/	100
72	13B20	V	DURRAVASAN,G.	/	/	/	/	100
73	13B54	V	MUNISH KUMAR,M	/	/	/	/	100
74	13B137	V	THIRUVENKATAM ,S.	/	/	/	/	100
75	13B94	V	SINDHU,S.	/	/	/	/	100
76	12B01	VII	ABIRAMI, M.	/	/	/	/	100
77	12B02	VII	AJITHAKALAIVANI, C.	/	/	/	/	100
78	12B03	VII	AJITESH, K.	/	/	/	/	100
79	12B04	VII	AMIT BINGLESH, J.	/	/	/	/	100
80	12B08	VII	ANUSHA, S.	/	/	/	/	100
81	12B13	VII	ARUN PRAVEENA, S.	/	/	/	/	100
82	12B16	VII	ASWINVENKAT, B.	/	/	/	/	100
83	12B22	VII	DHIVYA, M.	/	/	/	/	100
84	12B28	VII	EVANGELIN ABISHA, J.	/	/	/	/	100
85	12B30	VII	GOWTHAM, R.	/	/	/	/	100
86	12B43	VII	KAVYA, P.M.	/	/	/	/	100
87	12B45	VII	KRISHNAMOORTHI, T.	/	/	/	/	100
88	12B46	VII	KRISHNAVENI, K.	/	/	/	/	100
89	12B47	VII	KUMAR VAIRAVAN, AR.	/	/	/	/	100
90	12B50	VII	MADHAVAN, M.	/	/	/	/	100
91	12B53	VII	MANIBALAN, G.	/	/	/	/	100
92	12B55	VII	MANOJ KUMAR, R.M.	/	/	/	/	100
93	12B57	VII	MARISELVAM, M.	/	/	/	/	100

94	12B58	VII	MATHRI RAGHISHA, S.	/	/	/	/	100
95	12B60	VII	MEENA ROSHENI, K.	/	/	/	/	100
96	13LB06	VII	DINESH, M.	/	/	/	/	100
97	13LB10	VII	KEERTHANA, P.	/	A	/	/	75
98	13LB23	VII	SIVAPRAKSH.K	/	/	/	/	100
99	13LB03	VII	CHARUMALAR,M.	/	/	/	/	100
100	13TB01	VII	MONISA SIVAGAMI,M.	/	/	/	/	100
101	13LB25	VII	SUDHAKAR,M	A	/	/	/	75
102	13LB12	VII	MANCHUNATHAN, T.A	A	/	/	/	75

Staff –In-Charge

HDCE

B1G	PRECAST TECHNOLOGY IN BUILDINGS	Category	L	T	P	Credit
		OC	1	0	0	1

Preamble

Precast is an industrialized way to build. It means transfer of work from sites to factories which improves productivity, quality and shortens construction time of a building. Precast also has lower lifetime costs than any other building solution. This is possible due to consistent high quality of industrially produced products.

Precast suits well for any type of building namely; residential, commercial, industrial, public etc. This course gives an exposure on the need and importance of using precast technology along with awareness on the technology.

Prerequisite

- Knowledge on building construction

Course Outcomes

On the successful completion of the course, students will be able to:

(CO1) Compare Precast and cast in-situ technology with implementation challenges	Understand
(CO2) Explain the details of production / erection of Hollow core slab with precautions to be taken	Understand
(CO3) Identify the planning aspects for precast projects along with Machinery usage	Understand
(CO4) Enumerate the details of Stacking, Handling, Transportation and Erection of precast elements with precautions	Apply
(CO5) Discuss the fixing and jointing in precast buildings with construction sequence	Apply

Mapping with Programme Outcomes

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1.	-	-	-	-	-	-	M	-	-	-	-	-
CO2.	-	-	-	-	-	-	-	-	-	M	-	-
CO3	-	-	M	-	-	M	L	-	M	M	M	L
CO4	-	-	-	-	-	-	L	-	L	M	-	-
CO5.	-	-	M	-	-	-	-	-	-	M	-	-

S- Strong; M-Medium; L-Low

Assessment Pattern

S. No.	Bloom's Category	Test 1	End -semester Examination
1.	Remember	20	20
2.	Understand	50	40
3.	Apply	30	40
4.	Analyze	0	0
5.	Evaluation	0	0
6.	Create	0	0

Course Level Assessment Questions

Course Outcome 1 (CO1):

1. Mention the need and advantages of using precast technology

2. Define the term modular co-ordination mentioning its purpose
3. Discuss the challenges that would faced while implementing precast technology in relation to Indian context
4. Enumerate the factors you would consider when deciding to implement precast concrete construction

Course Outcome 2 (CO2):

1. Explain the details to be noted in the production of hollow core slabs
2. Discuss the merits of hollow core slabs over solid slabs mentioning the applications of each
3. Enumerate the precautions to be taken in erection of hollow core slabs mentioning its need

Course Outcome n (CO3)

1. Explain the points you would consider in planning of precast projects
2. As an engineer in-charge of precast installation illustrate the provisions and precautions you would consider in jointing of components
3. Discuss the machinery used with purpose in precast construction

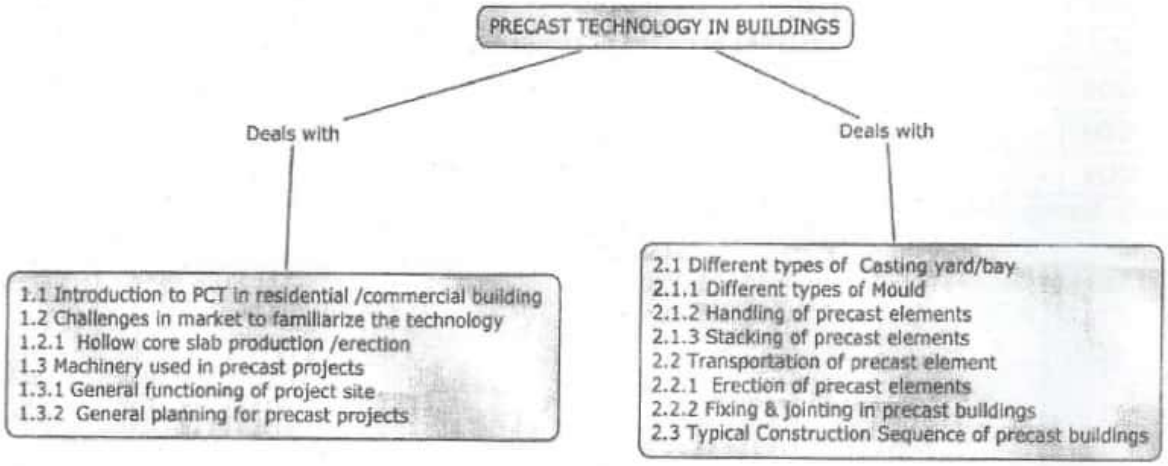
Course Outcome n (CO4)

1. As an engineer discuss the process of stacking of precast units considering a specific unit with precautions to be taken
2. Discuss the points to be considered in transportation of precast units
3. Discuss the precautions to be taken while erection of precast elements

Course Outcome n (CO5)

1. As an site engineer identify the sequence of fixing and jointing of wall panels in a buildings
2. Discuss the tolerances to be provided while fixing and jointing of precast elements
3. Discuss the good practices in jointing of elements

Concept Map



Syllabus

Introduction to precast technology in residential /commercial building - Challenges in market to familiarize the technology - Hollow core slab production

/erection - Machinery used in precast projects - General functioning of project site - General planning for precast projects - Different types of Casting yard/bay - Different types of Mould - Handling of precast elements - Stacking of precast elements -Transportation of precast element - Erection of precast elements - Fixing & jointing in precast buildings - Typical Construction Sequence of precast buildings.

Reference Books

1. IS: 15916 -2011, "Building Design and Erection using Prefabricated Concrete – Code of Practice"
2. NBN EN 1168-2005, "Precast Concrete Products - Hollow Core Slabs"

Course Contents and Lecture Schedule

Module No.	Topic	No. of Lectures
1.0	Precast Technologies in Buildings	
1.1	Introduction to Precast Technologies in residential and commercial buildings	1
1.2	Challenges in implementation of Precast Technologies	1
1.2.1	Hollow Core slab production/ erection	1
1.3	Machineries used for precast projects	1
1.3.1	General functions of project site	1
1.3.2	General planning for precast projects	1
2.0	Installation of precast products	
2.1	Types of casting yards/ bay for precast products	1
2.1.1	Different types of moulds used for precast products	1
2.1.2	Handling of precast elements	1
2.1.3	Stacking of precast elements	1
2.2	Transportation of precast elements	1
2.2.1	Erection of precast elements	1
2.2.2	Fixing and jointing in precast buildings	1
2.3	Typical construction sequence of precast buildings	1
	Total Hours	14

Course Designers:

1. Mr. R. Karunanithi, L&T, Bangalore — karunanithi@lntecc.com

TEQIP SPONSORED 1 Credit Course titled

"B1G – Precast Technology in Buildings"

TEQIP sponsored 1 credit course titled "B1G – **Precast Technology in Buildings**" was organized by the Department of Civil Engineering for the students of B.E Civil Engineering programme. The resource person for the course was **Mr. R. Karunanithi,** Manager, Precast Production, Larsen & Toubro Ltd., Bangalore. Around hundred students of V and VII semester B.E Civil Engineering programme registered for the course. The course was conducted on 29.8.15 (Saturday) and 30.8.15 (Sunday) with 5 sessions each. Each session was conducted for 1½ hours.

The students were given exposure on various aspects of precast technology in residential /commercial buildings – challenges to familiarize the technology - hollow core slab production/erection- machinery used in precast projects - planning of precast projects - handling, stacking, transportation and erection of precast elements - fixing and jointing with typical construction sequence of precast buildings. Assessment of student learning was done through assignments. It is also proposed to conduct the end semester examination for the students by the mid of October 2015.

PAID BY CHEQUE No / ~~CASH~~
237218
Date: 19.10.15

2.6

THIAGARAJAR COLLEGE OF ENGINEERING - MADURAI 625 015
TCE-III

(2015 - 2016)

S.No	One credit course need analysis sheet	
1.	Name of the Course	BIH - FRAMING OF VARIOUS STRUCTURES AND OPTIMUM FOUNDATION SYSTEMS
2.	Name of the Industry	L & T, CHENNAI
3.	Name of the SIG associated with	STRUCTURES - ANALYSIS AND DESIGN
4.	Motivation for offering the course	
4.1	Feedback (If yes, Details of the feedback as per the annexure I)	
	From Recruiter	Y/N
	From Employer	Y/N
	From Alumni	Y/N
	From Academic Council members	Y/N
	From Board of Studies members	Y/N
	From Senior students	Y/N
	From current students	Y/N
	From Performance Assessment Committee	Y/N
	From Department Advisory committee	Y/N
4.2	Faculty participation in Seminar/FDP (If yes, details)	
	At higher learning institutes	NIL
	At Industry	NIL
5.	Outcomes expected	
	Technology transfer	✓
	Student Internship	—
	Placement	—
	Organizing FDP/seminar at TCE	—
	Collaborative research/consultancy projects	—
	Faculty as Trainee/Trainer in the Industry	—
	Joint publications	—
	Setting up of Lab/Infrastructure	—

THIAGARAJAR COLLEGE OF ENGINEERING - MADURAI 625 015
TCE-III

(2015-16)

Attendance sheet for the one/~~two~~ credit

Name of the Course: B1H - FRAMING OF VARIOUS STRUCTURES AND OPTIMUM FOUNDATION SYSTEMS

Name of the Industry: LRT, CHENNAI

Name of the Expert: Er. S. PRASANNA

Number of Students enrolled: 104

Name of the Faculty: R. INDRAJITH KRISHNAN

Date/Time/Venue: 29-08-2015 & 19-09-2015
09.00 AM to 05.00PM
C5 Hall & Conference hall

S.No	Reg.No	Name	Department	Signature

Signature of the Faculty Coordinator

THIAGARAJAR COLLEGE OF ENGINEERING - MADURAI 625 015

TCE-III

(2015-16)

Course Schedule

Name of the Course: BIH - FRAMING OF VARIOUS STRUCTURES AND OPTIMUM FOUNDATION SYSTEMS

Name of the Industry: L&T, CHENNAI

Name of the Expert: Er. S. PRASANNA

Number of Students enrolled: 104

Name of the Faculty: R. INDRAJITH KRISHNAN

Date/Time/Venue: 29-08-2015 & 19-09-2015
09.00 AM to 05.00 PM
C5 Hall & Civil seminar hall

Date	Time	Topics	Remarks
Day1	09.00 to 11.00 AM	Components of Structure	
	11.30 AM to 01.00 PM	Load transfer, Framing arrangement	Syllabus enclosed
Day2	2.00 to 3.00 PM	steel Structures	
	3.15 to 05.00 PM	foundation systems	

Signature of the Faculty coordinator

THIAGARAJAR COLLEGE OF ENGINEERING - MADURAI 625 015

(2015-16)

Course Instructor Feedback for One/~~Two~~ credit course

TCE-III

Name of the Course: BIH - FRAMING OF VARIOUS STRUCTURES AND OPTIMUM FOUNDATION SYSTEMS

Name of the Industry: L&T, CHENNAI

Name of the Expert: Ex.S.PRASANNA

Date/Time/Venue: 29-08-2015 & ~~30-08~~ 19-09-2015
09.00 AM to 05.00 PM
CS Hall & Civil Seminar hall

	Comments
Student attendance	Satisfactory
Level of the students in understanding the concepts	Very good
Any suggestions regarding new content to be included as Prerequisites/Special electives	NIL
Hall/~~Lab~~ arrangements	Good
Hospitality	Good

for Abhijit Krishna
Signature of the Course Instructor

Signature of Head of the Department

TEQIP SPONSORED 1 Credit Course titled

"B1H – Framing of Structures and Optimum Foundation Systems"

TEQIP sponsored 1 credit course titled "**B1H – Framing of Structures and Optimum Foundation Systems**" was organized by the Department of Civil Engineering for the students of B.E Civil Engineering programme. The resource person for the course was **Mr. S. Prasanna,** Assistant Manager, Civil & Structural Larsen & Toubro limited, Chennai. Around hundred students of V and VII semester B.E Civil Engineering programme registered for the course. The course was conducted on 29.8.15 (Saturday) and 19.9.15 (Saturday) with 5 sessions each. Each session was conducted for 1½ hours.

The students were given exposure on various types of structures with practical suitability of framed structures and load bearing structures, Components of structures namely slab, beam, column & footing in RCC structures- Chequered plate flooring/grating, Steel beams & Columns, bracings–vertical & horizontal. They were also introduced to behaviour of RCC & steel structures and their framing concepts. Students were finally exposed to various foundation systems. Discussion through Question & Answer/ Case studies/Practical challenges in design and construction were made in the sessions.

Assessment of student learning was done through assignments. It is also proposed to conduct the end semester examination for the students by the end of October 2015.

1) Approval - Lo

PAID BY CHEQUE No / ~~CASH~~
237220
Date: 19.10.15.

Abhijith Kishan

3a

THIAGARAJAR COLLEGE OF ENGINEERING - MADURAI 625 015
TCE-III

(2015-16)

S.No	One credit course need analysis sheet	
1.	Name of the Course	BIK - Interior Design
2.	Name of the Industry	Chris Brown Architects
3.	Name of the SIG associated with	Structures - Design
4.	Motivation for offering the course	
4.1	Feedback (If yes, Details of the feedback as per the annexure I)	
	From Recruiter	Y/N
	From Employer	Y/N
	From Alumni	Y/N
	From Academic Council members	Y/N
	From Board of Studies members	Y/N
	From Senior students	Y/N
	From current students	Y/N
	From Performance Assessment Committee	Y/N
	From Department Advisory committee	Y/N
4.2	Faculty participation in Seminar/FDP (If yes, details)	
	At higher learning institutes	–
	At Industry	–
5.	Outcomes expected	
	Technology transfer	✓
	Student Internship	–
	Placement	–
	Organizing FDP/seminar at TCE	–
	Collaborative research/consultancy projects	–
	Faculty as Trainee/Trainer in the Industry	–
	Joint publications	–
	Setting up of Lab/Infrastructure	–

THIAGARAJAR COLLEGE OF ENGINEERING - MADURAI 625 015

TCE-III

Course Schedule

Name of the Course: Blk. Interior Design

Name of the Industry: Chris Brown Architects, Bangalore

Name of the Expert: Mr. Immanuel B Samuel

Number of Students enrolled: 111

Name of the Faculty: R. Sankaranaryan

Date/Time/Venue: 19.3.16 & 20.3.16
Civil – Conference Hall

Date	Time	Topics	Remarks
Day1			
Day2		As enclosed	

R Sankaranaryan
Signature of the Faculty coordinator

THIAGARAJAR COLLEGE OF ENGINEERING - MADURAI 625 015
TCE-III

Attendance sheet for the one/~~two~~ credit

Name of the Course: B1k - Interior Design
Name of the Industry: Chris Brown Architects, Bangalore
Name of the Expert: Mr. Immanuel B Samuel
Number of Students enrolled: 111
Name of the Faculty: R. Sankaranarayanan
Date/Time/Venue: 19.3.16 & 20.3.16
civil - Conference Hall

S.No	Reg.No	Name	Department	Signature
		As enclosed		

R Sankaranarayanan
Signature of the Faculty Coordinator

THIAGARAJAR COLLEGE OF ENGINEERING - MADURAI 625 015

Course Instructor Feedback for One/~~Two~~ credit course

TCE-III

Name of the Course: BIK - Interior Design

Name of the Industry: Chris Brown Architects, Bangalore

Name of the Expert: Mr. Immanuel B. Samuel

Date/Time/Venue: 19.3.16 & 20.3.16
Civil - Conference Hall

	Comments
Student attendance	Good
Level of the students in understanding the concepts	Good
Any suggestions regarding new content to be included as Prerequisites/Special electives	NIL
Hall/Lab arrangements	Good
Hospitality	Good

R Sankaranarayanan
Signature of the Course Instructor

Signature of Head of the Department

THIAGARAJAR COLLEGE OF ENGINEERING - MADURAI 625 015

Course Instructor Feedback for One/~~Two~~ credit course

TCE-III

Name of the Course: BIK - Interior Design

Name of the Industry: Chris Brown Architects, Bangalore

Name of the Expert: Mr. Immanuel B. Samuel

Date/Time/Venue: 19.3.16 & 20.3.16

Civil - Conference Hall

	Comments
Student attendance	Good
Level of the students in understanding the concepts	Good
Any suggestions regarding new content to be included as Prerequisites/Special electives	NIL
Hall/Lab arrangements	Good
Hospitality	Good

R Sankaranarayanan

Signature of the Course Instructor

Signature of Head of the Department

INTERIOR DESIGN - AN INSIGHT

Immanuel B Samuel

DAY-1

1. Introduction to Interior Design - **1.5hrs**
    - i) Outward Looks - Aesthetics
    - ii) Inside Stuff - Services
2. Different Types of Interior Design -**1.5hrs**
    - i) Corporate Office Interiors
    - ii)Retail Interiors
    - iii)Residential Interiors
    - iv)Hospitality Sector - Hotels
    - v)Health Sector - Hospitals
    - vi)Commercial Interiors - Auditoriums etc...
3. Outward Looks - Aesthetics -**3hrs**
    - i) Different Materials
    - ii)Color Scheme
    - iii)Lighting
4. Discussion & Question/Answer Session - **1hr**

DAY-2

5. Inside Stuff - Services - **4hrs**
    - i) Electrical
    - ii) HVAC
    - iii) Networking
    - iv) Security Systems
5. Miscellaneous - **2hrs**
    - i) Presentation
    - ii) Costing
    - ii) Project Management
    - iii) Softwares Used
    - iv) Role of consultants
6. Question/Answer Session & Test - **1hr**

R Sankaranayan

THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI-15

(A Govt. Aided ISO 9001:2008 Certified Autonomous Institution affiliated to Anna University)

DEPARTMENT OF CIVIL ENGINEERING

TEQIP SPONSORED 1 Credit Course titled

"B1K – Interior Design"

TEQIP sponsored 1 credit course titled "**B1K – Interior Design**" was organized by the Department of Civil Engineering for the students of VI semester B.E Civil Engineering programme. The resource person for the course was **Mr. Immanuel B Samuel**, Principal Architect Chris Brown Architects, Bangalore. Around 40 students of VI semester B.E Civil Engineering programme registered for the course. The course was conducted on 19.3.16 and 20.3.16 with total of 10 sessions. Each session was conducted for 1½ hours.

The students were given exposure on various aspects of interior design and its need. Exposure was also given on types of interior design for different buildings such as corporate offices, retail shops, residential buildings, hospitals, hotels, auditoriums etc. Exposure on components of outward looks namely aesthetics – different materials, colours, lighting was given along with details on services. Assessment of student learning was done through assignments. It is also proposed to conduct the end semester examination for the students by the mid of May 2016.

R. Sankaranarayanan