

KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL-15
OFFICE OF THE PRINCIPAL



No. 80/OP/KITS/2020

Date: 03/02/2020

Note to all Heads of the Departments:

Sub: Constitution of revised Board of Studies (BoS) – Reg.

- Ref: 1. Academic section note dated 31.1.2020 – constitution of BoS for programmes offered by departments
2. This office note No. 75/OP/KITS/2020, dated 31.1.2020 – Guidelines for nominating experts on BoS

In partial modification to the academic section note dated 31.01.2020, vide reference (1) cited, the HoDs are requested to **constitute a completely revised Board of Studies (BoS)** for the programmes offered by their departments.

In revising the BoS, HoDs are advised to retain the University Nominee at Sl. No.8 of BoS structure.

The HoDs are further requested to follow the guidelines stipulated for nominating the experts under Industry and Academia categories vide reference (2) cited.

The HoDs can take help from the Principal's office, in case of any requirement for sending letter to the experts officially through the Principal.


PRINCIPAL

Copy to: 1. Secretary & Correspondent
2. All Deans


KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL-15
(An Autonomous Institute under Kakatiya University, Warangal)

No.KITS/Acad/Autonomous-BoS (CE)/2020

Date: 07.03.2020

ORDERS

Sub: KITS, Warangal - UGC Autonomous status - Constitution of Board of Studies (BoS) for B.Tech. Civil Engineering (CE) Programme / M. Tech. Structural & Construction Engineering (S&C) programme - Modified Orders - Issued.

- Ref: 1. Letter No. F. 22-1/2-14(AC), Dt. 19.6.2014 from the Joint Secretary, UGC, New Delhi.
 2. Letter No. 350/CDC/KU/2014, Dt. 18.8.2014. from the Registrar, Kakatiya University, Warangal.
 3. This office Order No. KITS/Acad/2014, Date: 20-8-2014.
 4. Note CE/KITS/2016 Date : 26-9-2016 from HOD, CE
 5. This office Order No.KITS/Acad/Autonomous-BoS (CE)/2016, Date: 3.10.2016
 6. This office Order No.KITS/Acad/Autonomous-BoS (CE)/2016, Date: 15.5.2018
 7. CED office Note No.KITS/Autonomous-BoS (CE)/2020, Date: 08.02.2020

In continuation of the order cited 6 above, & with ref. to note 7 above, the Board of Studies (BoS) for B.Tech. Civil Engineering (CE) Programme / M. Tech. Structural & Construction Engineering (S&C) programme has been constituted with the following members for a period of two (2) years with effect from the date of issue of these orders.

S. No.	Name of the Member	Designation	Position in BoS
1.	Dr. M. Veera Reddy	Professor & HoD, CED, KITSW	Chairperson, BoS
2.	Dr. S. G.Narayana Reddy	Senior Professor, CED, KITSW	Member
3.	Dr. L. Sudheer Reddy	Professor, CED, KITSW	Member
4.	Dr. M. Andral	Professor, CED, KITSW	Member
5.	Dr. M. Srikanth	Professor of Dept, KITSW	Member
6.	Dr. D. Rama Seshu	Professor, Dept. of CE, NIT, Warangal.	External Member (from renowned Academic Institute)
7.	Dr. K. Srinivasa Raju	Professor, Civil Engg, BITS, Hyderabad Campus	External Member (from renowned Academic Institute)
8.	Dr. B. Sesha Srinivasa Rao	Professor, University College of Engineering, Kothagudem	External Member (University Nominee)
9.	Sri R. Jagadeesh	Vice President, TPSC, India Pvt. Ltd., (Wholly owned subsidiary of Toshiba plant systems & services corporation, Japan)	External Member (from Industry)
10.	Sri M. Jagadish	Chief Project Manager, L&T Metro Rail (Hyderabad)	External Member (from Industry)
11.	Sri P. Anvesh,	A.E.E., Irrigation Department Chinthagattu, Warangal.	External Member (from Industry)
12.	Ms. Atiya Fathima	Assistant Executive Engineer R & B SE Circle Office, Warangal	External Member (Post Graduate Meritorious Alumnus - Academia/Industry)
13.	Dr. S. Sunil Pratap Reddy	Assoc. Professor, CED, KITSW	Co-Opted Member-1
14.	Dr. D. Hari Krishna	Assoc. Professor, CED, KITSW	Co-Opted Member-2
15.	Dr. D. Abhigna	Asst. Professor, CED, KITSW	Co-Opted Member-3

The Board shall exercise such powers, perform such duties and functions in accordance with the procedure laid down in UGC norms for the Kakatiya Institute of Technology & Science, Warangal.

The meeting of the Board shall ordinarily be convened as and when necessary, at least twice in a year.

However, any member of the Board of Studies shall cease to be a member when he vacates the office, which he was holding at the time of his/her appointment, unless otherwise permitted by the authority.

To

The Persons concerned

Copy to: 1. Secretary & Correspondent

2. Treasurer 3. All Deans 4. All Heads of Departments 5. Academic Section

PRINCIPAL

Minutes of Virtual BoS Meeting

MINUTES OF THE MEETING OF

BOARD OF STUDIES (VIRTUAL MEETING)

HELD AT 05:00 PM ON 22.05.2021 (Saturday)

Agenda:

1. Approval of Scheme of B. Tech. VII and VIII Semesters
2. Approval of Syllabus of B. Tech. VII and VIII Semesters Courses.
3. Any other item with the permission of chair.

Members Present:

S. No.	Name of the Member	Designation	Position in BoS
1.	Dr. M. Veera Reddy	Professor & HoD, CED, KITSW	Chairperson, BoS
2.	Dr. L. Sudheer Reddy	Professor, CED, KITSW	Member
3.	Dr. M. Andal	Professor, CED, KITSW	Member
4	Dr. M. Srikanth	Professor, CED, KITSW	Member
5.	Dr. D. Rama Seshu	Professor, Dept. of CE, NIT, Warangal	External Member (University Nominee)
6.	Dr. K. Srinivasa Raju	Professor, Civil Engg, BITS, Hyderabad Campus	External Member (from renowned Academic Institute)
7.	Sri R. Jagadeesh	Vice President, TPSC, India Pvt. Ltd., Wholly owned subsidiary of Toshiba plant systems & services corporation Japan	External Member (from Industry)
8.	Sri M. Jagadish	Chief Project Manager, L&T Metro Rail (Hyderabad)	External Member (from Industry)
9.	Sri P. Anvesh	A.E.E., Irrigation Department Chinthagattu, Warangal.	External Member (from Industry)
10.	Mrs. Atiya Fathima	Assistant Executive Engineer R & B SE Circle Office, Warangal	External Member, (Post Graduate Meritorious Alumnus - Academia/Industry)
11.	Dr. S. Sunil Pratap Reddy	Assoc. Professor, Dept. of CE, KITSW	Co-OptedMember-1
12.	Dr. D. Hari Krishna	Assoc. Professor, Dept. of CE, KITSW.	Co-OptedMember-2
13.	Dr. D. Abhigna	Asst. Professor, Dept. of CE, KITSW	Co-OptedMember-3

Resolutions:

1. Virtual BoS meeting of Civil Engineering Department was conducted on 22.05.2021, at 05.00 pm through Google Meet.
2. The above BoS members are present and offered their valuable suggestions.
3. BoS members of Civil Engineering, KITSW approved
 - a) Scheme of B. Tech. VII and VIII Semesters
 - b) Syllabus of B. Tech. VII and VIII Semesters Courses and made following suggestions to incorporate.

S. No.	Course Code	Course Name	Suggestions made by the BoS members	Remarks
1.	U18OE701A:	Disaster Management	Unanimously approved	---
2.	U18OE701B:	Project Management	Unanimously approved	
3.	U18OE701C:	Professional Ethics in Engineering	Unanimously approved	
4.	U18OE701D:	Rural Technology and Community Development	Unanimously approved	---
5.	U18CE702A:	Advanced Structural Design	Unanimously approved	
6.	U18CE702B:	Hydraulic Structures	Unanimously approved	---
7.	U18CE702C:	Sustainable Materials and Green Buildings	Unanimously approved	
8.	U18CE702M:	MOOC-III	Unanimously approved	---
9.	U18CE703A:	Structural Dynamics	Prof. D. Ramashesu Content is more can be reduced	
10.	U18CE703B:	Foundation Engineering	Unanimously approved	---
11.	U18CE703C:	Repair and Rehabilitation of structures	Unanimously approved	---
12.	U18CE703M:	MOOC-IV	Unanimously approved	---
13.	U18CE704	Highway Engineering	Unanimously approved	---
14.	U18CE705	Highway Engineering Laboratory	Unanimously approved	---
15.	U18CE706	Civil Engineering Software Applications Laboratory	Dr. K. Srinivasa Raju Additional online software are to be included.	
16.	U18CE707	Major Project - Phase - I	Unanimously approved	
17.	U18CE708	Internship Evaluation*	Unanimously approved	
18.	U18CE801A:	Prestressed Concrete	Unanimously approved	---
19.	U18CE801B:	Railway and Airport Engineering	Unanimously approved	
20.	U18CE801C:	Construction Contracts Management	Unanimously approved	---
21.	U18CE801M:	MOOC-V	-- Unanimously approved	---
22.	U18CE802A:	Earthquake Engineering renamed as Earthquake resistant design of structures	1. Change of title approved by all BoS members 2. Prof. D. Ramashesu Content is more can be reduced	
23.	U18CE802B:	Earth retaining structures	Unanimously approved	
24.	U18CE802C:	Bridge Engineering	Unanimously approved	
25.	U18CE802M:	MOOC-VI	Unanimously approved	

26.	U18OE803A:	Operations Research	Unanimously approved	
27.	U18OE803B:	Management Information Systems	Unanimously approved	
28.	U18OE803C:	Entrepreneurship Development	Unanimously approved	
29.	U18OE803D:	Forex and Foreign Trade	Unanimously approved	
30.	U18OE803M:	MOOC-VII	Unanimously approved	
31.	U18CE804	Major Project - Phase - II	Unanimously approved	

Finally, Dr. M. Veera Reddy, Professor & Head, Chairperson, BoS, CED, thanked all the BoS members, Principal, AAC members and faculty of Civil Engineering Department for giving their suggestions while preparing the scheme and drafting the syllabus.

Note: I request concerned CCPC convener to incorporate the suggestions/inputs (Listed in the above table) given by the BoS Members. Please send the modified syllabus, KSQ and worksheet by 24.05.2021 at 4pm without fail to respective coordinators.

Regards:



Dr. M. Veera Reddy
Chairperson, BoS
Professor & Head,
Department of Civil Engineering,
Kakatiya Institute of Technology & Science(KITSW),
Yerragattu Hillock, Bheemaram,
Warangal, Telangana, India-506015.

KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL-15
(An Autonomous Institute under Kakatiya University, Warangal)
DEPARTMENT OF CIVIL ENGINEERING

No: / CE /KITS/2020

Date: 26.05.2021

Submitted to the Principal:

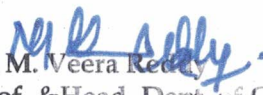
Sub: Request to transfer the honorarium to external BoS members on attending virtual BoS meeting of B.Tech. Civil Engineering to finalize VII to VIII semesters Syllabus course contents held on 22.05.2021 at 05:00pm- Reg.

This is bring to your kind notice that Six (6) external BoS members are participated in the virtual Board of Studies meeting of Civil Engineering held on 22.05.2021 at 05:00pm. The scheme and syllabus of B.Tech. Civil Engineering for PRR-18 is finalized. The Minutes of Meeting for the BoS of above are submitted to Principal and Dean, Academics through mail.

The following is list of external BoS members along with their bank details for online transfer of honorarium amount, for those who are attended the Virtual BoS meeting to finalize the B.Tech VII & VIII semester scheme & syllabus.

S. No.	Name of the Member& Designation	Name and Acc No	Branch	IFSC Code	Honorarium
1.	Dr. D. Rama Seshu Professor, Dept. of CE, NIT, Warangal	D. RamaSeshu 52109401459	SBI, NIT Branch- pin code 506004	SBIN0020149	Rs. 5000.00
2.	Dr. K. Srinivasa Raju Professor, Civil Engg, BITS, Hyderabad Campus	K.Srinivasa Raju 62086 928958	SBI, Jawahar Nagar, Hyderabad, BITS-Hyderabad campus	SBIN0021092	Rs. 5000.00
3.	Sri R. Jagadeesh, Vice President, TPSC, India Pvt. Ltd.,	Jagadeesh Revani 000901003873	ICICI Bank Nungambakkam, Chennai	ICIC0000009	Rs. 5000.00
4.	Sri M. Jagadish, Chief Project Manager, L&T Metro Rail (Hyderabad)	Marabathina Jagadish 754010050556	Kotak Mahendra Bank Lakshmipuram, Guntur	KKBK0007748	Rs. 5000.00
5.	Sri P. Anvesh, A.E.E., Irrigation Department Chinthagattu, Warangal.	Perumalla Anvesh 03751530006288	HDFC BANK Hanamkonda	HDFC0000375	Rs. 5000.00
6.	Mrs. Atiya Fathima, AEE, R & B SE Circle Office, Warangal	Atiya Fathima 62034196638	SBI, Nakkalgutta, Hanamkonda	SBIN0020150	Rs. 5000.00
Total					Rs. 30,000.00
In words Rupees Thirty Thousand only.					

Hence, it is requested to transfer the honorarium amount for all the external BoS members mentioned in above table, against their account numbers.


Dr. M. Veera Reddy
Prof. & Head, Dept. of CE

Encl: BoS Approvals

- Inbox
- Starred
- Snoozed
- Sent
- Drafts 2
- More
- Meet
- New meeting
- My meetings
- Hangouts
- HOD

Kind request to approve Scheme and syllabus of VII & VIII semesters of B.Tech. (CE) - Reg.

External Inbox x



HOD CE

Greetings, Respected sir, Herewith I am submitting the scheme and course content of B.Tech. (CE) VII & VIII semesters. and also All the suggestions made in the

1:52 PM (5 hours ago)



Ramaseshu D

to me

1:43 PM (5 hours ago)

The scheme and syllabus as proposed is approved.

Regards

The content of this email is confidential and intended for the recipient specified in message only. It is strictly forbidden to share any part of this message with any third party, without a written consent of the sender. If you received this message by mistake, please reply to this message and follow with its deletion, so that we can ensure such a mistake does not occur in the future.

Thanks a lot. Thank you. Thank you for your response.

Reply Forward

No recent chats
Start a new one

MD only

U18CE801A PREST... U18CE706 Civil En... U18CE705 HIGHW... URR-18, Scheme e, C... U18CE704 HIGH...
U18CE703C REPAL... U18CE703B FOUN...

ani anvesh
to me, Srinivasa, atiyaraz, jagadish.marabathina, jagareva, ramadro
It is approved.
The content of this email is confidential and intended for the recipient specified in message only. It is strictly forbidden to share any part of this message with any third party, without a written consent of the sender. If you received this message by mistake, please reply to this message and follow with its deletion, so that we can ensure such a mistake does not occur in the future.

K. Srinivasa Raju
It is fine. Please take care and stay safe. Srinivasa raju -- Srinivasa Raju
Sun, May 30, 8:18 PM (13 days ago) Dr. K. Srinivasa Raju, 1:0 Editor

marabathina jagadish
Dear Professor, The Scheme and Course Content of B.Tech. (CE) VII & VIII semesters is found OK and inline with the discussions and collective opinions of all me
Mon, May 31, 11:57 AM (12 days ago)

Atiya Fathima
to ani, Srinivasa, jagareva, ramadrs, me, jagadish.marabathina
Approved

Reply Reply all Forward

MD Sathy

A screenshot of a Gmail interface. The top navigation bar shows the Gmail logo, a search bar, and icons for compose, inbox, starred, snoozed, sent, drafts, and more. The left sidebar lists 'Inbox' (1), 'Starred', 'Snoozed', 'Sent', 'Drafts' (2), 'More', 'Meet', 'New meeting', 'My meetings', 'Hangouts', and 'HOD' (+). The main content area displays an email titled 'Approval of Syllabus of 7th & 8th Semester of B.Tech' with status tags 'External' and 'Inbox'. The email is from 'Jagadeesh Revani' to 'me' (w), dated 'Jun 2, 2021, 11:00 AM (11 days ago)'. The body text reads: 'Dear Sir, With reference to the External BOS meeting held on 22nd May, 2021 (Saturday), I would like to inform you that the syllabus of 7th and 8th Semesters of the B.Tech (Civil Engineering) course has been approved from my end. I would like to appreciate yours and KITS management's efforts in organizing this Ext. BOS for review and update the syllabus in order to prepare their students to be in par with the requirements of the industry. Best Regards Jagadeesh'. Below the email body are three buttons: 'Approved.', 'Ok, approved.', and 'Your request is approved.'. At the bottom of the email are 'Reply' and 'Forward' buttons. The bottom of the screen shows a taskbar with various application icons and a system tray area with a clock and network status.

KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL
(An Autonomous Institute under Kakatiya University)
SCHEME OF INSTRUCTION & EVALUATION
V SEMESTER OF 4-YEAR B.TECH DEGREE PROGRAMME
CIVIL ENGINEERING

Sl. No	Category	Course Code	Course Title	Periods/week			Credits	Evaluation Scheme				
				L	T	P		CIE			ESE	Total Marks
								TA	MSE	Total		
1	MC	U18MH501	Universal Human Values - II*	2	1	-	-	10	30	40	60	100
2	PE	U18CE502	Professional Elective - I/ MOOC-I	3	-	-	3	10	30	40	60	100
3	PCC	U18CE503	Structural Analysis	3	-	-	3	10	30	40	60	100
4	PCC	U18CE504	Environmental Engineering	3	-	-	3	10	30	40	60	100
5	PCC	U18CE505	Soil Mechanics	3	-	-	3	10	30	40	60	100
6	PCC	U18CE506	Design of Steel Structures	3	-	-	3	10	30	40	60	100
7	PCC	U18CE507	Environmental Engineering Laboratory	-	-	2	1	40	-	40	60	100
8	PCC	U18CE508	Soil Mechanics Laboratory	-	-	2	1	40	-	40	60	100
9	PCC	U18CE509	Building Planning and Drawing Laboratory	-	-	2	1	40	-	40	60	100
10	PROJ	U18CE510	Seminar	-	-	2	1	100	-	100	-	100
Total				17	1	8	19	280	180	460	540	1000

* indicates mandatory non-credit course

[L= Lecture, T = Tutorials, P = Practicals, C = Credits]

* indicates mandatory non-credit course

[L= Lecture, T = Tutorials, P = Practical's & C = Credits]

Total Contact Periods/Week: 26

Total Credits : 19

Professional Elective-I/MOOC-I:
U18CE502A: Advanced Concrete Technology
U18CE502C: Water shed Management

U18CE502B: Advanced Surveying
U18CE502M: MOOCs


Dr. M. Veera Reddy
Chairperson, BoS

Dr. L. Sudheer Reddy
BoS Member

Dr. D. Rama Seshu
Professor, CED, NIT, Wgt
(External Member)

Dr. K. Srinivasa Raju
Professor, Civil Engg. BFTS, Hyderabad
Campus
(External Member)

Dr. B. Seshu Srinivas
Professor, Univ. College of Engg.
Kothagudem
(External Member, University
Nominée)

Sri R. Jagadeesh
Vice President, TPSC, India Pvt. Ltd.,

Sri M. Jagadish
Chief Project Manager, L&T Metro Rail
(Hyderabad)

Dr. S. Sunil Prathap Reddy
BoS Member (Co-Opted Member)

Sri P. Anvesh
A.E.E., Irrigation Department
Chinthagathu, Warangal.

Mrs. Atiya Fathima
AEE, R & B
(External Member, Post Graduate
Meritorious Alumnus)

Dr. D. Hari Krishna
BoS Member (Co-Opted Member)

Dr. D. Ashwina
BoS Member (Co-Opted Member)


Dr. M. Sankanth
BoS Member


Dr. M. Andai
BoS Member

KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL
(An Autonomous Institute under Kakatiya University)
SCHEME OF INSTRUCTION & EVALUATION
VI SEMESTER OF 4-YEAR B.TECH DEGREE PROGRAMME
CIVIL ENGINEERING

Sl. No	Category	Course Code	Course Title	Periods/week			Credits	Evaluation Scheme				
				L	T	P		C	CIE			Total Marks
									TA	MSE	Total	
1	HSMC	U18TP601	Quantitative Aptitude & Logical Reasoning	2	-	-	1	10	30	40	60	100
2	HSMC	U18MH602	Management Economics and Accountancy	3	-	-	3	10	30	40	60	100
3	PE	U18CE603	Professional Elective - II/ MOOC -II	3	-	-	3	10	30	40	60	100
4	PCC	U18CE604	Estimation and Valuation	1	2	-	3	10	30	40	60	100
5	PCC	U18CE605	Hydrology and Water Resources Engineering	3	1	-	4	10	30	40	60	100
6	PCC	U18CE606	Construction Management and Equipment	3	-	-	3	10	30	40	60	100
7	ESC	U18IT611	Object Oriented Programming through JAVA	3	-	-	3	10	30	40	60	100
8	PCC	U18CE607	Structural Engineering Detailing Laboratory	-	-	2	1	40	-	40	60	100
9	ESC	U18IT612	JAVA Programming Laboratory	-	-	2	1	40	-	40	60	100
10	PROJ	U18CE608	Mini Project	-	-	2	1	100	-	100	-	100
Total				18	3	6	23	250	210	460	540	1000

[L= Lecture, T = Tutorials, P = Practical's & C = Credits]

Total Contact Periods/Week: 27

Total Credits : 23

Professional Elective-II / MOOC-II:
U18CE603A: Advanced Analysis of Structures
U18CE603C: Advanced Environmental Engineering

U18CE603B: Ground Improvement Techniques
U18CE603M: MOOCs


Dr. M. Veera Reddy
Chairperson, BoS


Dr. L. Sudheer Reddy
BoS Member

Dr. D. Rama Seshu
Professor, CED, NIT/Wgl
(External Member)

Dr. K. Srinivasa Raju
Professor, Civil Engg, BITS, Hyderabad
Campus (External Member)

Dr. B. Seshu Srinivas
Professor, Univ. College of Engg.
Kothagudem (External Member,
University Nominee)

Sri R. Jagadeesh
Vice President, TPSC, India Pvt. Ltd.,
(Hyderabad)

Sri M. Jagadeesh
Chief Project Manager, L&T Metro Rail
(Hyderabad)

Sri P. Anvesh
A.E.E., Irrigation Department
Chinnagudi, Warangal.

Mrs. Atiya Fathina
AEE, R & B
(External Member, Post Graduate
Meritorious Alumnus)


Dr. S. Sunil Prathap Reddy
BoS Member (Co-Opted Member)

Dr. D. Hari Krishna
BoS Member (Co-Opted Member)

Dr. D. Anshu
BoS Member (Co-Opted Member)


Dr. M. Andral
BoS Member

KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL
(An Autonomous Institute under Kakatiya University)
SCHEME OF INSTRUCTION & EVALUATION
VII SEMESTER OF 4-YEAR B.TECH DEGREE PROGRAMME
CIVIL ENGINEERING

Sl. No	Category	Course Code	Course Title	Periods/week			Credits	Evaluation Scheme				
				L	T	P		C	CIE			Total Marks
									TA	MSE	Total	
1	OE	U18OE701	Open Elective- III	3	-	-	3	10	30	40	60	100
2	PE	U18CE702	Professional Elective - III/ MOOC -III	3	-	-	3	10	30	40	60	100
3	PE	U18CE703	Professional Elective - IV / MOOC -IV	3	-	-	3	10	30	40	60	100
4	PCC	U18CE704	Highway Engineering	3	-	-	3	10	30	40	60	100
5	PCC	U18CE705	Highway Engineering Laboratory	-	-	2	1	40	-	40	60	100
6	PCC	U18CE706	Civil Engineering Software Applications Laboratory	-	-	2	1	40	-	40	60	100
7	PROJ	U18CE707	Major Project - Phase - I	-	-	6	3	100	-	100	-	100
8	MC	U18CE708	Internship Evaluation*	-	-	2	-	100	-	100	-	100
* indicates mandatory non-credit course				12	-	12	17	320	120	440	360	800
Total												

II:- Lecture, T = Tutorials, P = Practical's & C = Credits

[L= Lecture, T = Tutorials, P = Practical's & C = Credits]

Total Contact Periods/Week: 24

Total Credits : 17

Open Elective-III : U18OE701A: Disaster Management ✓ U18OE701B: Project Management ✓ U18OE701C: Professional Ethics in Engineering U18OE701D: Rural Technology and Community Development	Professional Elective-III / MOOC-III : U18CE702A: Advanced Structural Design ✓ U18CE702B: Hydraulic Structures ✓ U18CE702C: Sustainable Materials and Green Buildings ✓ U18CE702M: MOOCs	Professional Elective-IV/MOOC-IV : U18CE703A: Structural Dynamics ✓ U18CE703B: Foundation Engineering ✓ U18CE703C: Repair and Rehabilitation of Structures ✓ U18CE703M: MOOCs
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M. Veera Reddy
Dr. M. Veera Reddy
Chairperson, BoS

L. Sudheer Reddy
Dr. L. Sudheer Reddy
BoS Member

R. Jagadeesh
Sri R. Jagadeesh
Vice President, TPSC, India Pot. Ltd.,

M. Jagadish
Sri M. Jagadish
Chief Project Manager, L&T Metro Rail
(Hyderabad)

S. Sunil Prathap Reddy
Dr. S. Sunil Prathap Reddy
BoS Member (Co-Opted Member)

D. Rama Seshu
Dr. D. Rama Seshu
Professor, CED, NIT, Wgt
(External Member)

K. Srinivasa Raju
Dr. K. Srinivasa Raju
Professor, Civil Engg. BITS, Hyderabad
Campus
(External Member)

B. Seshu Srinivas
Dr. B. Seshu Srinivas
Professor, Univ. College of Engg.
Kothagudem
(External Member, University Nominee)

A. Atiya Fathima
Mrs. Atiya Fathima
AEE, R & B
(External Member, Post Graduate
Meritorious Alumna)

A. Andar
Dr. A. Andar
BoS Member

D. D. Hagi Krishna
Dr. D. D. Hagi Krishna
BoS Member (Co-Opted Member)

D. D. Hagi Krishna
Dr. D. Hagi Krishna
BoS Member (Co-Opted Member)

KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL
(An Autonomous Institute under Kakatiya University)
SCHEME OF INSTRUCTION & EVALUATION
VIII SEMESTER OF 4-YEAR B.TECH DEGREE PROGRAMME
CIVIL ENGINEERING

Sl. No	Category	Course Code	Course Title	Periods/week			Credits	Evaluation Scheme				
				L	T	P		C	CIE			Total Marks
									TA	MSE	Total	
1	PE	U18CE801	Professional Elective - V / MOOC-V	3	-	-	3	10	30	40	60	100
2	PE	U18CE802	Professional Elective - VI / MOOC-VI	3	-	-	3	10	30	40	60	100
3	OE	U18OE803	Open Elective - IV / MOOC-VII	3	-	-	3	10	30	40	60	100
4	PROJ	U18CE804	Major Project - Phase - II	-	-	14	7	40	-	40	60	100
Total:				9	-	14	16	70	90	160	240	400

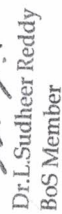
[L= Lecture, T = Tutorials, P = Practical's & C = Credits]

Total Contact Periods/Week: 23

Total Credits : 16

Professional Elective-V / MOOC-V : U18CE801A: Prestressed Concrete U18CE801B: Railway and Airport Engineering U18CE801C: Construction Contracts Management U18CE801M: MOOCs	Professional Elective-VI / MOOC-VI : U18CE802A: Earthquake Engineering U18CE802B: Earth Retaining Structures U18CE802C: Bridge Engineering U18CE802M: MOOCs	Open Elective-IV / MOOC-VII : U18OE803A: Operations Research U18OE803B: Management Information Systems U18OE803C: Entrepreneurship Development U18OE803D: Forex and Foreign Trade U18OE803M: MOOCs
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Dr. M. Veera Reddy
Chairperson, BOS


Dr. L. Sudheer Reddy
BoS Member

Dr. D. Rama Seshu
Professor, CED, NIT, Wgl
(External Member)

Dr. K. Srinivasa Raju
Professor, Civil Engg. BITS, Hyderabad
Campus
(External Member)

Dr. B. Sesha Srinivas
Professor, Univ. College of Engg.
Kothagudem
(External Member, University
Nominee)

Sri R. Jagadeesh
Vice President, TPSC, India Pvt. Ltd.,
(Hyderabad)

Sri M. Jagadeesh
Chief Project Manager, L&T Metro Rail
(Hyderabad)

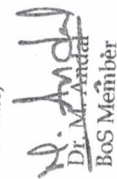
Sri P. Anvesh
A.E.E., Irrigation Department
Chinnagallu, Warangal.

Mrs. Atiya Fathima
AEE, R & B
(External Member, Post Graduate
Meritorious Alumnus)


Dr. S. Sunil Prathap Reddy
BoS Member (Co-Opted Member)

Dr. D. Hari Krishna
BoS Member (Co-Opted Member)

Dr. D. Abhigyan
BoS Member (Co-Opted Member)


Dr. M. Anand
BoS Member

KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL
(An Autonomous Institute under Kakatiya University, Warangal)
DEPARTMENT OF CIVIL ENGINEERING
SCHEME OF INSTRUCTION & EVALUATION
VII SEMESTER OF 4-YEAR B.TECH DEGREE PROGRAMME

Sl. No	Category	Course Code	Course Title	Periods/week			Credits	Evaluation Scheme				
				L	T	P		CI			ESE	Total Marks
								TA	MS	E		
1	OE	U18OE701	Open Elective- III	3	-	-	3	10	30	40	60	100
2	PE	U18CE702	Professional Elective - III / MOOC -III	3	-	-	3	10	30	40	60	100
3	PE	U18CE703	Professional Elective - IV / MOOC -IV	3	-	-	3	10	30	40	60	100
4	PCC	U18CE704	Highway Engineering	3	-	-	3	10	30	40	60	100
5	PCC	U18CE705	Highway Engineering Laboratory	-	-	2	1	40	-	40	60	100
6	PCC	U18CE706	Civil Engineering Software Applications Laboratory	-	-	2	1	40	-	40	60	100
7	PROJ	U18CE707	Major Project - Phase – I	-	-	6	3	100	-	100	-	100
8	MC	U18CE708	Internship Evaluation*	-	-	2	-	100	-	100	-	100
Total				12	-	12	17	320	120	440	360	800
Additional Learning*:Maximum credits allowed for Honours/Minor				-	-	-	7	-	-	-	-	-
Total credits for Honours/Minor students:				-	-	-	17+7	-	-	-	-	-

- List of courses for additional learning through MOOCs towards Honours/Minor in Engineering shall be prescribed by the department under Honours/ Minor Curricula

Total Contact Periods/Week: 24

[L= Lecture, T = Tutorials, P = Practical's & C = Credits]

Open Elective-III : U18OE701A: Disaster Management U18OE701B: Project Management U18OE701C: Professional Ethics in Engineering U18OE701D: Rural Technology and Community Development	Professional Elective-III / MOOC-III : U18CE702A: Advanced Structural Design U18CE702B: Hydraulic Structures U18CE702C: Sustainable Materials and Green Buildings U18CE702M: MOOCs	Professional Elective-IV/MOOC-IV : U18CE703A: Structural Dynamics U18CE703B: Foundation Engineering U18CE703C: Repair and Rehabilitation of Structures U18CE703M: MOOCs
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Dr. D. Rama Seshu
Professor, CED, NIT/Wgl
(External Member)

Mrs. Ajiya Fathima
AEE,R & B (External Member, Post Graduate Meritorious Alumni)

Dr. S. Sunil Prathap Reddy
BoS Member (Co-Opted Member)

Dr. K. Srinivasa Raju
Professor, Civil Engg. BITS, Hyderabad Campus
(External Member)

Dr. M. Veera Reddy
Chairperson, BoS

Dr. D. Hari Krishna
BoS Member (Co-Opted Member)

Sri R. Jagadeesh
Vice President, TPSC, India Pvt. Ltd.,
(Hyderabad)

Dr. L. Sudheer Reddy
BoS Member

Dr. D. Bhigna
BoS Member (Co-Opted Member)

Sri M. Jagadish
Chief Project Manager, L&T Metro Rail
(Hyderabad)

Dr. M. Anish
BoS Member

Sri P. Anvesh
A.E.E., Irrigation Department
Chinthlagattu, Warangal.

Dr. P. Srikanth
BoS Member

Note: All external BoS members sent their approval through mail

KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL
(An Autonomous Institute under Kakatiya University, Warangal)
DEPARTMENT OF CIVIL ENGINEERING
SCHEME OF INSTRUCTION & EVALUATION
VIII SEMESTER OF 4-YEAR B.TECH DEGREE PROGRAMME

Sl. No	Category	Course Code	Course Title	Periods/week			Credits	Evaluation Scheme					
				L	T	P		C	CI			ESE	Total Marks
									TA	MS	E		
1	PE	U18CE801	Professional Elective – V / MOOC-V	3	-	-	3	10	30	40	60	100	
2	PE	U18CE802	Professional Elective – VI / MOOC-VI	3	-	-	3	10	30	40	60	100	
3	OE	U18OE803	Open Elective - IV / MOOC-VII	3	-	-	3	10	30	40	60	100	
4	PROJ	U18CE804	Major Project - Phase – II	-	-	14	7	40	-	40	60	100	
Total:				9	-	14	16	70	90	160	240	400	
Additional Learning*:Maximum credits allowed for Honours/Minor				-	-	-	7	-	-	-	-	-	
Total credits for Honours/Minor students:				-	-	-	16+7	-	-	-	-	-	

- List of courses for additional learning through MOOCs towards Honours/Minor in Engineering shall be prescribed by the department under Honours/ Minor Curricula

[L= Lecture, T = Tutorials, P = Practical's & C = Credits]

Total Contact Periods/Week: 23

Total Credits : 16

Professional Elective-V / MOOC-V :		Professional Elective-VI / MOOC-VI :		Open Elective-IV / MOOC-VII :	
U18CE801A: Prestressed Concrete	U18CE802A: Earthquake Resistant Design of Structures	U18CE802B: Earth Retaining Structures	U18CE802C: Bridge Engineering	U18OE803A: Operations Research	U18OE803B: Management Information Systems
U18CE801B: Railway and Airport Engineering	U18CE802M: MOOCs			U18OE803C: Entrepreneurship Development	U18OE803D: Forex and Foreign Trade
U18CE801C: Construction Contracts Management				U18OE803M: MOOCs	
U18CE801M: MOOCs					

Dr. D. Rama Seshu
Professor, CED, NIT/Wgl
(External Member)

Dr. K. Srinivasa Raju
Professor, Civil Engg.
BITS, Hyderabad Campus (External Member)

Sri R. Jagadeesh
Vice President, TPSC, India Pvt. Ltd.,
(Hyderabad)

Sri M. Jagadeesh
Chief Project Manager, L&T Metro Rail
(Hyderabad)

Sri P. Anvesh
A.E.E., Irrigation Department
Chinthagattu, Warangal.

Mrs. Atiya Fathima
AEE,R & B (External Member, Post
Graduate Meritorious Alumnus)

Dr. M. Veera Reddy
Chairperson, BoS

Dr. L. Sudheer Reddy
BoS Member

Dr. M. Anand
BoS Member

Dr. M. Srikanth
BoS Member

Dr. S. Sunil Prathap Reddy
BoS Member (Co-Opted Member)

Dr. D. Hari Krishna
BoS Member (Co-Opted Member)

Dr. D. Abhinava
BoS Member (Co-Opted Member)

Note: All external BoS members sent their approval through mail

KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL
(An Autonomous Institute under Kakatiya University)
SCHEME OF INSTRUCTION & EVALUATION
VII SEMESTER OF 4-YEAR B.TECH DEGREE PROGRAMME
CIVIL ENGINEERING

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				L	T	P		CIE			ESE	Total Marks
								TA	MSE	Total		
1	OE	U18OE701	Open Elective- III	3	-	-	3	10	30	40	60	100
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5	PCC	U18CE705	Highway Engineering Laboratory	-	-	2	1	40	-	40	60	100
6	PCC	U18CE706	Civil Engineering Software Applications Laboratory	-	-	2	1	40	-	40	60	100
7	PROJ	U18CE707	Major Project - Phase - I	-	-	6	3	100	-	100	-	100
8	MC	U18CE708	Internship Evaluation*	-	-	2	-	100	-	100	-	100
Total				12	-	12	17	320	120	440	360	800
* indicates mandatory non-credit course												

[L = Lecture, T = Tutorials, P = Practical's & C = Credits]

Total Contact Periods/Week: 24

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M. Veera Reddy
Dr. M. Veera Reddy
Chairperson, BoS

Sudheer Reddy
Dr. L. Sudheer Reddy
BoS Member

Dr. D. Rama Seshu
Professor, CED, NITWgl
(External Member)

Dr. K. Srinivasa Raju
Professor, Civil Engg. BITS, Hyderabad
Campus
(External Member)

Dr. B. Seshu Srinivas
Professor, Univ. Coll. of Engg.
Kothagudem
(External Member, University Nominee)

Sri R. Jagadeesh
Vice President, TPSC, India Pvt. Ltd.,

Sri M. Jagadish
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Sri P. Anvesh
A.E.E., Irrigation Department
Chinthlabhattu, Warangal.

Mrs. Atiya Fathima
AEE.R & B
(External Member, Post Graduate
Meritorious Alumnus)

A. Andar
Dr. A. Andar
BoS Member

Srikanth
Dr. S. Srikanth
BoS Member

Sunil Prathap Reddy
Dr. S. Sunil Prathap Reddy
BoS Member (Co-Opted Member)

Dr. D. Hari Krishna
BoS Member (Co-Opted Member)

Dr. D. Hari Krishna
BoS Member (Co-Opted Member)

Dr. D. Hari Krishna
BoS Member (Co-Opted Member)

KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL
(An Autonomous Institute under Kakatiya University)
SCHEME OF INSTRUCTION & EVALUATION
VIII SEMESTER OF 4-YEAR B.TECH DEGREE PROGRAMME
CIVIL ENGINEERING

Sl. No	Category	Course Code	Course Title	Periods/week			Credits	Evaluation Scheme				
				L	T	P		CIE			Total Marks	
								TA	MSE	Total		
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2	PE	U18CE802	Professional Elective – VI / MOOC-VI	3	-	-	3	10	30	40	60	100
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4	PROJ	U18CE804	Major Project - Phase – II	-	-	14	7	40	-	40	60	100
			Total:	9	-	14	16	70	90	160	240	400

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Dr. M. Veerakumari
Chairperson, BOS


Dr. L. Sudheer Reddy
BoS Member

Dr. D. Rama Seshu
Professor, CED, NIT, Wg
(External Member)

Dr. K. Srinivasa Raju
Professor, Civil Engg, BITS, Hyderabad
Campus
(External Member)

Dr. B. Sesha Srinivas
Professor, Univ. College of Engg.
Kothagudem
(External Member, University
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Sri P. Anvesh
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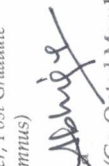
Mrs. Atiya Fathima
AEE, R & B
(External Member, Post Graduate
Meritorious Alumnus)


Dr. M. Anuradha
BoS Member


Dr. M. Srikant
BoS Member


Dr. S. Sunil Prathap Reddy
BoS Member (Co-Opted Member)


Dr. P. Hari Krishna
BoS Member (Co-Opted Member)


Dr. D. Abhigyan
BoS Member (Co-Opted Member)



105

DEPARTMENT OF CIVIL ENGINEERING
KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE:: WARANGAL - 15
(An Autonomous Institute under Kakatiya University, Warangal)

No. KITS/CED/BoS/2020/1

18th February, 2020.

Note Submitted to the Principal:

Sub: Budget proposal to conduct BoS meeting for V & VI semester courses- Reg.,

Ref: Your Lr. No. 58/OP/KITS/2020, dated. 24.01.2020.

This is bring to your kind notice that seven (7) external members (the details are mentioned below) are attending the Board of Studies meeting in Civil Engineering Department which is planned in the month of March, 2020 for finalization of B.Tech URR18 V & VI semester syllabus under URR-18 curriculum.

In this regard it is requested to kindly sanction an amount of Rs. 65,000/- (Rupees Sixty five thousand only) to meet the following expenses.

Sl. No	Particulars	Amount (Rs.)	Remarks
1	Honorarium	35,000/-	Sitting fee of Rs. 5000/- per person (7 Nos)
2	Travelling Allowance	20,000/-	--
3	Tea, breakfast, Lunch & snacks	6,000/-	--
4	Miscellaneous expenses	4,000/-	--

The following are the details of BoS members coming from various places.

Sl.No	Name of the Member	Honorarium (Rs)	Travelling Allowance (Rs)	Total Amount (Rs)
1.	Dr. D. Rama Seshu Professor, Dept. of CE, NIT, Warangal	5,000/-	Nil	5,000/-
2.	Dr. K. Srinivasa Raju Professor, Civil Engg, BITS, Hyderabad Campus	5,000/-	5,000/-	10,000/-
3.	Dr. B Sesha Srinivas Professor, University College of Engineering, Kothagudem	5,000/-	5,000/-	10,000/-
4.	Sri R. Jagadeesh, Vice President, TPSC, India Pot. Ltd., Wholly owned subsidiary of Toshiba plant systems & services corporation Japan	5,000/-	5,000/-	10,000/-
5.	Sri M. Jagadish Chief Project Manager, L&T Metro Rail (Hyderabad)	5,000/-	5,000/-	10,000/-
6.	Sri P. Anvesh, A.E.E., Irrigation Department Chinthagattu, Warangal.	5,000/-	Nil	5,000/-
7.	Mrs. Atiya Fathima, Assistant Executive Engineer R & B SE Circle Office, Warangal	5,000/-	Nil	5,000/-
Total (Rs)		35,000/-	20,000/-	55,000/-
Tea, snacks, breakfast & Lunch(Rs)				6,000/-
Miscellaneous expenses (Rs)				4,000/-
Grand Total (Rs.)				65,000/-

Note: For S.No. 1, 3 & 7 Institute vehicle is to be provided, hence no Travelling allowance is required.

In this regard, it is requested to release an amount of Rs. 65,000/- (Rupees sixty five thousand only).

This is for your information and necessary initiation.

Head of the Department



DEPARTMENT OF CIVIL ENGINEERING
Kakatiya Institute of Technology & Science, Warangal
(An Autonomous Institute under Kakatiya University, Warangal)

Minutes of the meeting (MoM) of Internal Board of Studies (BoS) in Civil Engineering held on 29.05.2020 @ 09.30 am in C-CAD Laboratory.

Members Present:				
1.	Dr. M. Veera Reddy, Professor & HoD, Dept. of CE, KITSW	---	Chairperson, BoS of CE	Attended online
2.	Dr. L. Sudheer Reddy Professor, Dept. of CE, KITSW	---	Member	<i>[Signature]</i>
3.	Dr. M. Andal Professor, Dept. of CE, KITSW	---	Member	<i>[Signature]</i>
4.	Dr. M. Srikanth Professor, Dept. of CE, KITSW	---	Member	<i>[Signature]</i>
5.	Dr. S. Sunil Prathap Reddy Assoc. Professor, CE, KITSW	---	Co-Opted Member-1	<i>[Signature]</i>
6.	Dr. D. Harikrishna Assoc. Professor, CE, KITSW	---	Co-Opted Member-2	Attended online
7.	Dr. D. Abhigna Asst. Professor, CE, KITSW	---	Co-Opted Member-3	<i>[Signature]</i>

AGENDA:

1. Review of approved courses in existing scheme of B.Tech. III year (V & VI semesters) under URR-18.
2. Addition of Industry Relevant courses/Electives may be considered.
3. Any other matter with the permission of chair.

MINUTES OF MEETING:

- Review was done on the approved courses in the existing scheme of B.Tech III Year (V and VI semester) under URR18 with all the internal BoS members.
- An extensive deliberations were done with all the internal members of BOS and resolved to finalize the proposed scheme for B.Tech III Year (V and VI semester) under URR18.
- Considering the need of the industry, addition of industry relevant courses/electives is considered in the revision of the scheme for B.Tech III Year (V and VI semester) under URR18.
- The process of developing the course content for B.Tech III Year (V and VI semester) under URR18 is initiated.
- The process of contacting the external BoS members is initiated and the information is transferred about resolutions of internal BoS meeting.

RESOLUTIONS:

It is resolved to

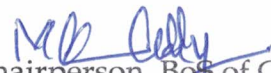
1. Approve the Scheme & Syllabus of B.Tech. III year (V & VI semesters) by internal BoS members under URR-18.
2. Finalize the syllabi of courses offered in B.Tech. V and VI Semesters on or before 3.06.2020.
3. Conduct virtual BoS meeting on 14.06.2020 @ 10:30 AM and communicating the same to external BoS members on or before 29.05.2020



Co-Ordinator

Dr. M. Andal

Professor, Dept. of CE, KITSW



Chairperson, BoS of CE

Dr. M. Veera Reddy,

Professor & HoD, Dept. of CE, KITSW



DEPARTMENT OF CIVIL ENGINEERING
Kakatiya Institute of Technology & Science, Warangal
(An Autonomous Institute under Kakatiya University, Warangal)

Minutes of the meeting (MoM) of Internal Board of Studies (BoS) in Civil Engineering
held on 29.05.2020 @ 09.30 am in C-CAD Laboratory.

Members Present:			
1.	Dr. M. Veera Reddy, Professor & HoD, Dept. of CE, KITSW	---	Chairperson, BoS of CE
2.	Dr. L. Sudheer Reddy Professor, Dept. of CE, KITSW	---	Member
3.	Dr. M. Andal Professor, Dept. of CE, KITSW	---	Member
4.	Dr. M. Srikanth Professor, Dept. of CE, KITSW	---	Member
5.	Dr. S. Sunil Prathap Reddy Assoc. Professor, CE, KITSW	---	Co-Opted Member-1
6.	Dr. D. Harikrishna Assoc. Professor, CE, KITSW	---	Co-Opted Member-2
7.	Dr. D. Abhigna Asst. Professor, CE, KITSW	---	Co-Opted Member-3

AGENDA:

1. Review of approved courses in existing scheme of B.Tech. III year (V & VI semesters) under URR-18.
2. Addition of Industry Relevant courses/Electives may be considered.
3. Any other matter with the permission of chair.

MINUTES OF MEETING:

The meeting was scheduled at 9:30 a.m. and was presided over by the Chairman of BOS Civil Engineering. The chairmen briefed the members about the pre-notified items of the agenda. The following items were discussed:

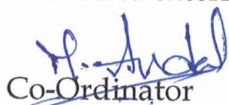
- Review was done on the approved courses in the existing scheme of B.Tech III Year (V and VI semester) under URR18 with all the internal BoS members.
- An extensive deliberations were done with all the internal members of BOS and resolved to finalize the proposed scheme for B.Tech III Year (V and VI semester) under URR18.
- Considering the need of the industry, addition of industry relevant course is considered and resolved to include Object Oriented Programming through JAVA theory and Java Programming lab in the VI semester by Shuffling of the subjects from V, VI, VII and VIII semesters.
- The process of developing the course content for B.Tech III Year (V and VI semester) under URR18 is initiated.

RESOLUTIONS:

1. Following changes are made in approved scheme for incorporation of Industry relevant courses.

Sl. no.	Subject	Approved Existing Scheme	Proposed Scheme	Remarks
i.	Environmental Engineering	U18CE606	U18CE504	Shifted from VI to V semester
ii.	Environmental Engineering laboratory	U18CE608	U18CE507	Shifted from VI to V semester
iii.	Object Oriented Programming through JAVA	-	U18CS604	New theory course included in VI semester
iv.	Hydrology and Water resources Engineering	U18CE504	U18CE606	Shifted from V to VI semester
v.	Civil Engineering Detailing laboratory	U18CE507	U18CE608	Shifted from V to VI semester
vi.	JAVA Programming Laboratory	-	U18CS609	New laboratory course included in VI semester
vii.	Civil Engineering software laboratory -I	U18CE609	U18CE706	Merged and renamed as Civil Engineering Software applications laboratory
viii.	Civil Engineering software laboratory -II	U18CE706		
ix.	Environmental Impact Assessment	U18CE702C	U18CE702C	Replaced with Sustainable Materials and Buildings
x.	Foundation Engineering	U18CE604	U18CE703A	Shifted from VI semester to VII semester
xi.	Structural Dynamics	U18CE703A	U18CE703B	Shifted from 703A to 703B
xii.	Construction Techniques and Equipment	U18CE703C	-	Removed from the course
xiii.	Repair and Rehabilitation of Structures	U18CE801B	U18CE703C	Shifted from VIII to VII semester
xiv.	Railway and Airport Engineering	U18CE703B	U18CE801B	Shifted from VII to VIII semester

2. Approve the Scheme of B.Tech. III year (V & VI semesters) by internal BoS members under URR-18.
3. Finalize the syllabi of courses offered in B.Tech. V and VI Semesters on or before 03.06.2020.
4. Conduct virtual BoS meeting on 14.06.2020 @ 10:30 AM and communicating the same to external BoS members.


Co-Ordinator

Dr. M. Andal
Professor, Dept. of CE, KITSW


Chairperson, BoS of CE

Dr. M. Veera Reddy,
Professor & HoD, Dept. of CE, KITSW

KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL-15
(An Autonomous Institute under Kakatiya University, Warangal)
DEPARTMENT OF CIVIL ENGINEERING

Minutes of Virtual BoS Meeting

Date: 14.06.2020

Time: 10:30AM

Agenda:

1. Approval of Scheme of B. Tech. V, VI, VII and VIII Semesters
2. Approval of Syllabus of B. Tech. V & VI Semesters Courses.
3. Any other item with the permission of chair.

Members Present:

S. No.	Name of the Member	Designation	Position in BoS
1.	Dr. M. Veera Reddy	Professor & HoD, CED, KITSW	Chairperson, BoS
2.	Dr. L. Sudheer Reddy	Professor, CED, KITSW	Member
3.	Dr. M. Andal	Professor, CED, KITSW	Member
4	Dr. M. Srikanth	Professor, CED, KITSW	Member
5.	Dr. D. Rama Seshu	Professor, Dept. of CE, NIT, Warangal	External Member (from renowned Academic Institute)
6.	Dr. K. Srinivasa Raju	Professor, Civil Engg, BITS, Hyderabad Campus	External Member (from renowned Academic Institute)
7.	Dr. B Sesha Srinivasa Rao	Professor, University College of Engineering, Kothagudem	External Member (University Nominee)
8.	Sri R. Jagadeesh	Vice President, TPSC, India Pvt. Ltd., Wholly owned subsidiary of Toshiba plant systems & services corporation Japan	External Member (from Industry)
9.	Sri M. Jagadish	Chief Project Manager, L&T Metro Rail (Hyderabad)	External Member (from Industry)
10.	Sri P. Anvesh	A.E.E., Irrigation Department Chinthagattu, Warangal.	External Member (from Industry)
11.	Mrs. Atiya Fathima	Assistant Executive Engineer R & B SE Circle Office, Warangal	External Member, (Post Graduate Meritorious Alumnus - Academia/Industry)
12.	Dr. S. Sunil Pratap Reddy	Assoc. Professor, Dept. of CE, KITSW	Co-OptedMember-1
13.	Dr. D. Hari Krishna	Assoc. Professor, Dept. of CE, KITSW.	Co-OptedMember-2
14.	Dr. D. Abhigna	Asst. Professor, Dept. of CE, KITSW	Co-OptedMember-3

Resolutions:

1. Virtual BoS meeting of Civil Engineering Department was conducted on 14.06.2020, from 10:30 am to 1:00 pm through Google Meet.
2. The above BoS members are present and offered their valuable suggestions.
3. BoS members of Civil Engineering, KITSW approved
 - a) Scheme of B. Tech. V, VI, VII and VIII Semesters
 - b) Syllabus of B. Tech. V & VI Semesters Courses and made following suggestions to incorporate.

S. No.	Course Code	Course Name	Suggestions made by the BoS members	Remarks
1.	U18CE502A	Advanced Concrete Technology	---	---
2.	U18CE502B	Advanced Surveying	Add NPTEL lectures in references	Included NPTEL lectures in references
3.	U18CE502C	Water shed Management	- Advised field visits to Irrigation structures - Include recent editions in references	- In V/VI semester we are organizing a field visit to students and faculty every year. - Included recent addition in references.
4.	U18CE503	Structural Analysis	--	---
5.	U18CE504	Environmental Engineering	Include two Indian Authors text books Eg: B.C. Punmia	Included
6.	U18CE505	Soil Mechanics	--	---
7.	U18CE506	Design of Steel Structures	- Unit 2 must be shifted to Unit 4 - Unit 3 must be shifted to Unit 2 - Unit 4 must be shifted to Unit 3 - Eccentric connections requires knowledge of flexural members - IS code permitted in examination should be mentioned in the scheme.	Changes incorporated as suggested
8.	U18CE507	Environmental Engineering Laboratory	--	---
9.	U18CE508	Soil Mechanics Laboratory	--	---
10.	U18CE509	Building Planning and Drawing Laboratory	--	---
11.	U18CE510	Seminar	--	---
12.	U18CE603A	Advanced Analysis of Structures	--	---
13.	U18CE603B	Ground Improvement Techniques	--	---
14.	U18CE603C	Advanced Environmental Engineering	--	---
15.	U18CE604	Estimation and Valuation	Include 2 tutorial classes and one lecture	Change incorporated as suggested
16.	U18CE605	Hydrology and Water Resources Engineering	Add flood routing techniques in unit-3	Changes incorporated as suggested
17.	U18CE606	Construction Management and Equipment	- Change the text book to new edition - Include bar bending schedule & financial Management etc..	- Bar bending schedule included in Unit II of Estimation and Valuation (U18CE604). - Financial management will be included in Project Management (U18OE701B).

18.	U18IT611	Object Oriented Programming through JAVA	--	---
19.	U18CE607	Civil Engineering Detailing Laboratory	Change the title of Civil Engineering Detailing Laboratory to Structural Engineering Detailing Laboratory	Change incorporated as suggested
20.	U18IT612	JAVA Programming Laboratory	--	---
21.	U18CE608	Mini Project	--	---

Finally, Dr. M. Veera Reddy, Professor & Head, Chairperson, BoS, CED, thanked all the BoS members, Principal, AAC members and faculty of Civil Engineering Department for giving their suggestions while preparing the scheme and drafting the syllabus.

The meeting was adjourned at 1:00pm

Regards:

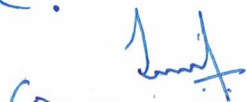

Dr. M. Veera Reddy
Chairperson, BoS of CED, KITSW
Professor & Head,
Department of Civil Engineering,
Kakatiya Institute of Technology & Science(KITSW),
Yerragattu Hillock, Bheemaram,
Warangal, Telangana, India-506015.


(Dr. L. Suresh Reddy)

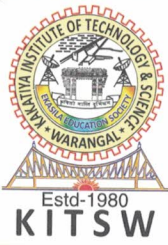

(Dr. M. Andar)


(Dr. M. Srikanth)


(Dr. D. Anand Krishna)


(Dr. S. Sunil Pratap Reddy)


(Dr. D. Abhinava)



KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE

Opp : Yerragattu Gutta, Hasanparthy (Mandal), WARANGAL - 506 015, Telangana, INDIA.

काकतीय प्रौद्योगिकी एवं विज्ञान संस्थान, वरंगल - ५०६ ०१५ तेलंगाना, भारत

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website: www.kitsw.ac.in

E-mail: principal@kitsw.ac.in

☎ : +91 9392055211, +91 7382564888

Date: 03.06.2020

To
Sri M. Jagadish
Chief Project Manager,
L&T Metro Rail (Hyderabad)

Dear Sir,

**Sub: KITSW - Virtual Board of Studies meeting - Civil Engineering - B.Tech(CE) -
Finalization of syllabi of B.Tech V Semester & VI Semester under URR18_
14.06.2020 (Sunday) - 10.30 AM-request-Reg**

Greetings !

Kakatiya Institute of Technology & Science (KITSW), Warangal is thriving continuously to provide quality education. The institute has taken up the initiative for curriculum revision of B.Tech program under URR 18 regulations in the academic year 2017-2018.

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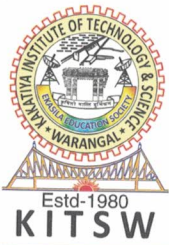
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You are therefore requested to kindly make it convenient to attend the Virtual Board of Studies meeting of **Civil Engineering** scheduled on 14.06.2018 (**Sunday**) - 10.30 AM. The details of appropriate tool shall be communicated in due course.

Thank you for your continued support

Yours sincerely,


(Chairperson, BoS,)
Dr. M. Veera Reddy



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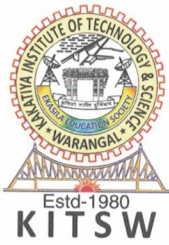
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Date: 03.06.2020

To

Sri P. Anvesh,

A.E.E., Irrigation Department

Chinthagattu, Warangal.

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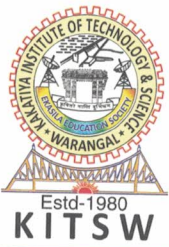
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Professor, Dept. of Civil Engg.
BITS, Hyderabad Campus

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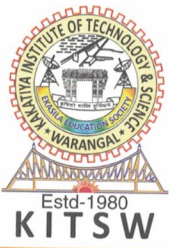
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Date: 03.06.2020

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Professor,
University College of Engineering,
Kothagudem.

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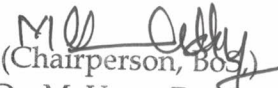
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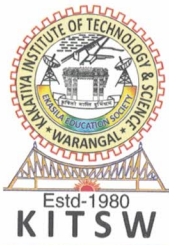
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Date: 03.06.2020

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Mrs. Atiya Fathima,
Assistant Executive Engineer
R & B SE Circle Office,
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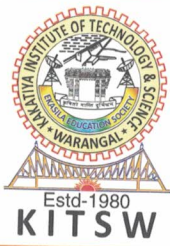
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To
Sri R. Jagadeesh,
Vice President, TPSC, India Pvt. Ltd.,
Wholly owned subsidiary of Toshiba plant systems
& services corporation Japan

Date: 03.06.2020

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(An Autonomous Institute under Kakatiya University)
SCHEME OF INSTRUCTION & EVALUATION
V SEMESTER OF 4-YEAR B.TECH DEGREE PROGRAMME
CIVIL ENGINEERING

Sl. No	Category	Course Code	Course Title	Periods/week			Credits	Evaluation Scheme					
				L	T	P		C	CIE			Total Marks	
									TA	MSE	Total		
1	MC	U18MH501	Universal Human Values - II*	2	1	-	-	10	30	40	60	100	
2	PE	U18CE502	Professional Elective - I / MOOC-I	3	-	-	3	10	30	40	60	100	
3	PCC	U18CE503	Structural Analysis	3	-	-	3	10	30	40	60	100	
4	PCC	U18CE504	Environmental Engineering	3	-	-	3	10	30	40	60	100	
5	PCC	U18CE505	Soil Mechanics	3	-	-	3	10	30	40	60	100	
6	PCC	U18CE506	Design of Steel Structures	3	-	-	3	10	30	40	60	100	
7	PCC	U18CE507	Environmental Engineering Laboratory	-	-	2	1	40	-	40	60	100	
8	PCC	U18CE508	Soil Mechanics Laboratory	-	-	2	1	40	-	40	60	100	
9	PCC	U18CE509	Building Planning and Drawing Laboratory	-	-	2	1	40	-	40	60	100	
10	PROJ	U18CE510	Seminar	-	-	2	1	100	-	100	--	100	
* indicates mandatory non-credit course				Total	17	1	8	19	280	180	460	540	1000

[L = Lecture, T = Tutorials, P = Practical's & C = Credits]

Total Contact Periods/Week: 26

Total Credits : 19

Professional Elective-I/MOOC-I:

U18CE502A: Advanced Concrete Technology

U18CE502C: Water shed Management

U18CE502B: Advanced Surveying

U18CE502M: MOOCs


Dr. M. Veera Reddy
Chairperson, BoS

Dr. L. Sudheer Reddy
BoS Member

Dr. D. Rama Seshu
Professor, CED, NIT, Wgl
(External Member)

Dr. K. Srinivasa Raju
Professor, Civil Engg, BITS, Hyderabad
Campus
(External Member)

Dr. B. Sesha Srinivas
Professor, Univ. College of Engg.
Kothagudem
(External Member, University
Nominée)

Sri R. Jagadeesh
Vice President, TPSC, India Pot. Ltd.,
(Hyderabad)

Sri M. Jagadish
Chief Project Manager, L&T Metro Rail
(Hyderabad)

Sri P. Anvesh
A.E.E., Irrigation Department
Chinthagutta, Warangal.

Mrs. Atiya Fathima
AEE, R & B
(External Member, Post Graduate
Meritorious Alumnus)


Dr. M. Srikanth
BoS Member

Dr. S. Sunil Prathap Reddy
BoS Member (Co-Opted Member)

Dr. D. Hari Krishna
BoS Member (Co-Opted Member)

Dr. D. Ashwina
BoS Member (Co-Opted Member)

Dr. D. Ashwina
BoS Member (Co-Opted Member)


Dr. M. Andar
BoS Member

KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL
(An Autonomous Institute under Kakatiya University)
SCHEME OF INSTRUCTION & EVALUATION
VI SEMESTER OF 4-YEAR B.TECH DEGREE PROGRAMME
CIVIL ENGINEERING

Sl. No	Category	Course Code	Course Title	Periods/week				Credits	Evaluation Scheme					
				L	T	P	C		CIE			ESE	Total Marks	
									TA	MSE	Total			
1	HSMC	U18TP601	Quantitative Aptitude & Logical Reasoning	2	-	-	1		10	30	40	60	100	
2	HSMC	U18MH602	Management Economics and Accountancy	3	-	-	3		10	30	40	60	100	
3	PE	U18CE603	Professional Elective – II/ MOOC -II	3	-	-	3		10	30	40	60	100	
4	PCC	U18CE604	Estimation and Valuation	1	2	-	3		10	30	40	60	100	
5	PCC	U18CE605	Hydrology and Water Resources Engineering	3	1	-	4		10	30	40	60	100	
6	PCC	U18CE606	Construction Management and Equipment	3	-	-	3		10	30	40	60	100	
7	ESC	U18IT611	Object Oriented Programming through JAVA	3	-	-	3		10	30	40	60	100	
8	PCC	U18CE607	Structural Engineering Detailing Laboratory	-	-	2	1		40	-	40	60	100	
9	ESC	U18IT612	JAVA Programming Laboratory	-	-	2	1		40	-	40	60	100	
10	PROJ	U18CE608	Mini Project	-	-	2	1		100	-	100	--	100	
Total				18	3	6	23		250	210	460	540	1000	

[L= Lecture, T = Tutorials, P = Practical's & C = Credits]

Total Contact Periods/Week: 27

Total Credits : 23

Professional Elective-II / MOOC-II:

U18CE603A: Advanced Analysis of Structures
U18CE603C: Advanced Environmental Engineering

U18CE603B: Ground Improvement Techniques
U18CE603M: MOOCs


Dr. M. Veera Reddy
Chairperson, BoS


Dr. L. Sudheer Reddy
BoS Member

Dr. D. Rama Seshu
Professor, CED, NIT, Wgl
(External Member)

Dr. K. Srinivasa Raju
Professor, Civil Engg, BITS, Hyderabad
Campus (External Member)

Dr. B. Sesha Srinivas
Professor, Univ. Colleg. of Engg.,
Kothagudem (External Member,
University Nominee)

Sri R. Jagadeesh
Vice President, TPSC, India Pot. Ltd.,
(Hyderabad)

Sri M. Jagadish
Chief Project Manager, L&T Metro Rail
(Hyderabad)


Dr. S. Srikanth
BoS Member

Dr. S. Sunil Pratna Reddy
BoS Member (Co-Opted Member)

Sri P. Anvesh
A.E.E., Irrigation Department
Chittoor, Warangal.

Mrs. Atiya Fathima
AEE, R & B
(External Member, Post Graduate
Meritorious Alumnus)

Dr. D. Sathya
BoS Member (Co-Opted Member)


Dr. B. Sesha Srinivas
BoS Member

KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL
(An Autonomous Institute under Kakatiya University)
SCHEME OF INSTRUCTION & EVALUATION
V SEMESTER OF 4-YEAR B.TECH DEGREE PROGRAMME
CIVIL ENGINEERING

Sl. No	Category	Course Code	Course Title	Periods/week			Credits	Evaluation Scheme				
				L	T	P		C	CIE		ESE	Total Marks
									TA	MSE		
1	MC	U18MH501	Universal Human Values - II*	2	1	-	-	10	30	40	60	100
2	PE	U18CE502	Professional Elective - I/ MOOC-I	3	-	-	3	10	30	40	60	100
3	PCC	U18CE503	Structural Analysis	3	-	-	3	10	30	40	60	100
4	PCC	U18CE504	Environmental Engineering	3	-	-	3	10	30	40	60	100
5	PCC	U18CE505	Soil Mechanics	3	-	-	3	10	30	40	60	100
6	PCC	U18CE506	Design of Steel Structures	3	-	-	3	10	30	40	60	100
7	PCC	U18CE507	Environmental Engineering Laboratory	-	-	2	1	40	-	40	60	100
8	PCC	U18CE508	Soil Mechanics Laboratory	-	-	2	1	40	-	40	60	100
9	PCC	U18CE509	Building Planning and Drawing Laboratory	-	-	2	1	40	-	40	60	100
10	PROJ	U18CE510	Seminar	-	-	2	1	100	-	100	-	100
Total				17	1	8	19	280	180	460	540	1000
* indicates mandatory non-credit course												

[L= Lecture, T = Tutorials, P = Practical's & C = Credits]

* indicates mandatory non-credit course

[L= Lecture, T = Tutorials, P = Practical's & C = Credits]

Total Contact Periods/Week: 26

Total Credits : 19

Professional Elective-I/MOOC-I: U18CE502A: Advanced Concrete Technology U18CE502C: Water shed Management	U18CE502B: Advanced Surveying U18CE502M: MOOCs
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Dr. M. Veera Reddy
Chairperson, BoS


Dr. L. Sudheer Reddy
BoS Member

Dr. D. Rama Seshu
Professor, CED, NITWgl
(External Member)

Dr. K. Srinivasa Raju
Professor, Civil Engg. BITS, Hyderabad
Campus
(External Member)

Dr. B. Seshu Srinivas
Professor, Unit. Coll. of Engg.
Kothagudem
(External Member, University
Nominating)

Sri R. Jagadeesh
Vice President, TPSC, India Pvt. Ltd.,
(Hyderabad)

Sri M. Jagadish
Chief Project Manager, L&T Metro Rail
(Hyderabad)

Sri P. Anvesh
A.E.E., Irrigation Department
Chinthagathu, Warangal.

Mrs. Atiya Fathima
AEE.R & B
(External Member, Post Graduate
Meritorious Alumnus)


Dr. M. Srinanth
BoS Member

Dr. S. Sunil Prathap Reddy
BoS Member (Co-Opted Member)

Dr. D. Hari Krishna
BoS Member (Co-Opted Member)

Dr. D. Abhinava
BoS Member (Co-Opted Member)

Dr. D. Abhinava
BoS Member (Co-Opted Member)

KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL
(An Autonomous Institute under Kakatiya University)
SCHEME OF INSTRUCTION & EVALUATION
VI SEMESTER OF 4 -YEAR B.TECH DEGREE PROGRAMME
CIVIL ENGINEERING

Sl. No	Category	Course Code	Course Title	Periods/week			Credits	Evaluation Scheme				
				L	T	P		C	CIE			Total Marks
									TA	MSE	Total	
1	HSMC	U18TP601	Quantitative Aptitude & Logical Reasoning	2	-	-	1	10	30	40	60	100
2	HSMC	U18MH602	Management Economics and Accountancy	3	-	-	3	10	30	40	60	100
3	PE	U18CE603	Professional Elective - II / MOOC-II	3	-	-	3	10	30	40	60	100
4	PCC	U18CE604	Estimation and Valuation	1	2	-	3	10	30	40	60	100
5	PCC	U18CE605	Hydrology and Water Resources Engineering	3	1	-	4	10	30	40	60	100
6	PCC	U18CE606	Construction Management and Equipment	3	-	-	3	10	30	40	60	100
7	ESC	U18IT611	Object Oriented Programming through JAVA	3	-	-	3	10	30	40	60	100
8	PCC	U18CE607	Structural Engineering Detailing Laboratory	-	-	2	1	40	-	40	60	100
9	ESC	U18IT612	JAVA Programming Laboratory	-	-	2	1	40	-	40	60	100
10	PROJ	U18CE608	Mini Project	-	-	2	1	100	-	100	-	100
Total				18	3	6	23	250	210	460	540	1000

[L= Lecture, T = Tutorials, P = Practical's & C = Credits]

Total Contact Periods/Week: 27

Total Credits : 23

Professional Elective-II / MOOC-II:

U18CE603A: Advanced Analysis of Structures
U18CE603C: Advanced Environmental Engineering

U18CE603B: Ground Improvement Techniques
U18CE603M: MOOCs


Dr. M. Veera Reddy
Chairperson, BoS


Dr. I. Sudheer Reddy
BoS Member


Sri R. Jagadeesh
Vice President, TPSC, India Pvt. Ltd.,


Sri M. Jagadish
Chief Project Manager, L&T Metro Rail
(Hyderabad)

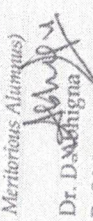

Dr. S. Sunil Prathap Reddy
BoS Member (Co-Opted Member)

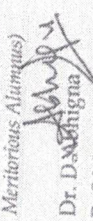
Dr. D. Rama Seshu
Professor, CED, NIT Wgl
(External Member)

Dr. K. Srinivasa Raju
Professor, Civil Engg. BITS, Hyderabad
Campus (External Member)

Dr. B. Sesha Srinivas
Professor, Unto-Colleg.of Engg.
Kothagudem (External Member,
University Nominee)


Sri P. Anvesh
A.E.E., Irrigation Department
Chittoor, Warangal.


Mrs. Atiya Fathima
AEE R & B
(External Member, Post Graduate
Meritorious Alumnus)


Dr. D. Anitha
BoS Member (Co-Opted Member)


Dr. B. Sesha Srinivas
Professor, Unto-Colleg.of Engg.
Kothagudem (External Member,
University Nominee)



KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL-15
(An Autonomous Institute under Kakatiya University, Warangal)
DEPARTMENT OF CIVIL ENGINEERING

Minutes of Virtual BoS Meeting

Date: 21.11.2020

Time: 4:30 pm

Venue: online

Agenda:

Approval of Scheme, Detailed syllabus of M. Tech (Structural and Construction Engineering) for I, II, III and IV Semesters, POs, PEOs, PSOs and K-S-Q Statements.

Members Present:

All the Board of Studies members of Civil Engineering are present in virtual meeting for finalization of scheme and syllabus of M.Tech. Structural & Construction Engineering course offering through department of Civil Engineering.

S. No.	Name of the Member	Designation	Position in the BoS
1	Dr. M. Veera Reddy	Professor & Head, Civil Engg., KITSW	Chairman, BoS
2	Dr. L. Sudheer Reddy	Professor, Civil Engg., KITSW	Member
3	Dr. M. Andal	Professor, Civil Engg., KITSW	Member
4	Dr. M. Srikanth	Professor Civil Engg., KITSW	Member
5	Dr. D. Rama Seshu	Professor, Dept. of CE, NIT, Warangal	External Member (from renowned Academic Institute)
6	Dr. K. Srinivasa Raju	Professor, Civil Engg. BITS, Hyderabad	External Member (from renowned Academic Institute)
7	Dr. B. Sesha Srinivasa	Professor, University College of Engineering, Kothagudam	External Member (University Nominee)
8	Sri. R. Jagadeesh	Vice President, TPSC, India Pvt. Ltd.,	External Member (from Industry)
9	Sri. M. Jagadeesh	Chief Project Manager, L&T Metro Rail (Hyderabad)	External Member (from Industry)
10	Sri. P. Anvesh	AEE, Irrigation Department, Chinthagattu, Warangal	External Member (from Industry)
11	Ms. Atiya Fathima	Assistant Executive Engineer, R&B, SE Circle office, Warangal	External Member (Post Graduate Meritorious Alumnus Academia/Industry)
12	Dr. D. Hari krishna	Assoc., Professor, Civil Engg., KITSW	Co-Opted Member-1
13	Dr. S. Sunil Pratap Reddy	Assoc., Professor, Civil Engg., KITSW	Co-Opted Member-2
14	Dr. D. Abhigna	Asst. Professor, Civil Engg., KITSW	Co-Opted Member-3

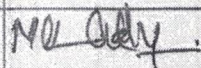
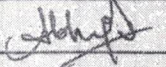
MINUTES OF MEETING:

The virtual meeting was scheduled at 4:30 p.m. and was presided over by the Chairman of BOS Civil Engineering. The Chairman welcomed all the BOS members and briefed the members about the pre-notified agenda.

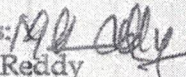
1. The BOS members approved the scheme and detailed Syllabus of M. Tech.(Structural and Construction Engineering) for I, II, III and IV Semesters.
2. The BOS members approved the POs, PEOs, PSOs.
3. The BOS members approved the K-S-Q statements, KSC mapping.
4. External BOS members appreciated the Management, Principal, Chairman BOS and Internal BOS members for taking initiation and framing the K-S-Q statements which are very useful for the students.
5. Finally, Dr. M. Veera Reddy, Professor & Head, Chairperson, BoS, CED, thanked all the BoS members for their participation and approval of Scheme, Detailed syllabus of M. Tech (Structural and Construction Engineering) for I, II, III and IV Semesters, POs, PEOs, PSOs and K-S-Q Statements.

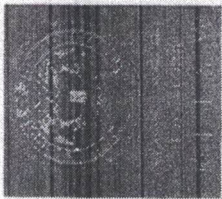
The meeting adjourned at 5:45 pm.

Signatures of Internal BoS members:

S. No.	Name of the Member	Designation	Position in the BoS	Signature
1	Dr. M. Veera Reddy	Professor & Head, Civil Engg., KITSW	Chairman, BoS	
2	Dr. L. Sudheer Reddy	Professor, Civil Engg., KITSW	Member	
3	Dr. M. Andal	Professor, Civil Engg., KITSW	Member	
4	Dr. M. Srikanth	Professor Civil Engg., KITSW	Member	
5	Dr. D. Hari krishna	Assoc., Professor, Civil Engg., KITSW	Co-Opted Member-1	
6	Dr. S. Sunil Pratap Reddy	Assoc., Professor, Civil Engg., KITSW	Co-Opted Member-2	
7	Dr. D. Abhigna	Asst. Professor, Civil Engg., KITSW	Co-Opted Member-3	

Encl: External BoS Members Approval copy (Approved through mail).

Regards: 
Dr. M. Veera Reddy
Chairperson, BoS
Professor & Head, Dept. of CED



DEPARTMENT OF CIVIL ENGINEERING
KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE:: WARANGAL - 15
(An Autonomous Institute under Kakatiya University, Warangal)

SCHEME OF INSTRUCTION & EVALUATION OF
M.Tech.(STRUCTURAL AND CONSTRUCTION ENGINEERING)
I-SEMESTER OF 2-YEAR M.TECH DEGREE PROGRAMME

[4Th+2P+1MC+1AC]

S. No.	Course Category	Course Code	Course Title	Hours pe. Week			Credits	Evaluation Scheme				Total Marks
				L	T	P		CIE				
								TA	MSE	Total		
1	PC	P20SC101	Limit Analysis of Reinforced Concrete Structures	3	-	-	3	10	30	40	60	100
2	PC	P20SC102	Construction Management	3	-	-	3	10	30	40	60	100
3	PE	P20SC103	Professional Elective-I/ MOOC-I	3	-	-	3	10	30	40	60	100
4	PE	P20SC104	Professional Elective-II/ MOOC-II	3	-	-	3	10	30	40	60	100
5	PC	P20SC105	Structural Engineering Laboratory	-	-	4	2	40	-	40	60	100
6	PC	P20SC106	Construction Planning and Scheduling Laboratory	-	-	4	2	40	-	40	60	100
7	MC	P20MC107	Research Methodology & IPR	2	-	-	2	10	30	40	60	100
8	AC	P20AC108	Audit Course-I	2	-	-	1	10	30	40	60	100
			Total	16	-	8	19	140	180	320	480	800

L- Lectures, T - Tutorials, P - Practicals & C - Credits, Contact hours per week: 24; Total Credits: 19

Professional Elective-I/ MOOC-I

P20SC103A: Matrix Analysis of Structures
P20SC103B: Design of Concrete Bridges
P20SC103C: Precast Concrete Technology
P20SC103D: MOOCs

M. Veera Reddy
Dr.M. Veera Reddy
Chairperson, BoS

S. Sunil Prathap Reddy
Dr. S. Sunil Prathap Reddy
BoS Member
(Co-Opted Member)

Professional Elective-II/ MOOC-II

P20SC104A: Behaviour of Concrete
P20SC104B: Construction Project Administration
P20SC104C: Building Services
P20SC104D: MOOCs

L. Sudheer Reddy
Dr.L.Sudheer Reddy
BoS Member

H. Hari Krishna
Dr. H. Hari Krishna
BoS Member (Co-Opted Member)

Audit Course-I

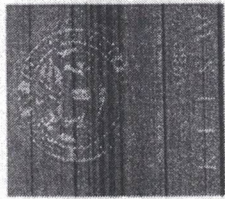
P20AC108A: English for Research Paper Writing
P20AC108B: Sanskrit for Technical Knowledge
P20AC108C: Constitution of India
P20AC108D: Pedagogy Studies

A. Andal
Dr. A. Andal
BoS Member

M. Srikanth
Dr. M. Srikanth
BoS Member

D. D. Abhinava
Dr. D. Abhinava
BoS Member (Co-Opted Member)

Note: All External BoS members sent their approval through mail.



DEPARTMENT OF CIVIL ENGINEERING
KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE:: WARANGAL - 15
(An Autonomous Institute under Kakatiya University, Warangal)

SCHEME OF INSTRUCTION & EVALUATION OF
M.Tech.(STRUCTURAL AND CONSTRUCTION ENGINEERING)
II-SEMESTER OF 2-YEAR M.TECH DEGREE PROGRAMME

[4Th+2P+1Mini Project +1AC]

S. No.	Course Category	Course Code	Course Title	Hours per Week			Credits	Evaluation Scheme				Total Marks
				L	T	P		CIE				
								TA	MSE	Total		
1	PC	P20SC201	Dynamics of Structures	3	-	-	3	10	30	40	60	100
2	PC	P20SC202	Construction Techniques& Equipment	3	-	-	3	10	30	40	60	100
3	PE	P20SC203	Professional Elective-III/ MOOC-III	3	-	-	3	10	30	40	60	100
4	PE	P20SC204	Professional Elective-IV/ MOOC-IV	3	-	-	3	10	30	40	60	100
5	PC	P20SC205	Structural Engineering Software Applications Laboratory	-	-	4	2	40	-	40	60	100
6	PC	P20SC206	Infrastructure Design and Drawing laboratory	-	-	4	2	40	-	40	60	100
7	PROJ	P20SC207	Mini Project with Seminar	-	-	4	2	40	-	40	60	100
8	AC	P20AC208	Audit Course-II	2	-	-	1	10	30	40	60	100
Total				14	-	12	19	170	150	320	480	800

Note: The students shall undergo mandatory Industrial training/ Internship for at least 6 to 8 weeks during summer vacation at Industry/R&D organization. Internship evaluation will be done during the III semester.

L- Lecture, T - Tutorials, P -Practicals & C - Credits; Contact hours per week: 26; Total Credits: 19

Professional Elective - III/ MOOC - III

P20SC203A: Earthquake Resistant Design of RCC Structures
P20SC203B: Design of Special Structures
P20SC203C: Repair, Rehabilitation and Retrofitting of structures
P20SC203D: MOOCs

Professional Elective - IV/MOOC - IV

P20SC204A: Quality and Safety Management
P20SC204B: Sustainable Construction Engineering
P20SC204C: Urban Infrastructure Planning and Management
P20SC204D: MOOCs

Audit Course - II

P20AC208A: Stress Management by Yoga
P20AC208B: Value Education
P20AC208C: Personality Development through Life Enlightenment Skills
P20AC208D: Disaster Management

M.V. Veera Reddy
Dr. M. Veera Reddy
Chairperson, BoS

S. Sunil Prathap Reddy
Dr. S. Sunil Prathap Reddy
BoS Member
(Co-Opted Member)

L. Sudheer Reddy
Dr. L. Sudheer Reddy
BoS Member

D. Hari Krishna
Dr. D. Hari Krishna
BoS Member (Co-Opted Member)

M. Andar
Dr. M. Andar
BoS Member

M. Srikanth
Dr. M. Srikanth
BoS Member

D. Abhigna
Dr. D. Abhigna
BoS Member (Co-Opted Member)

Note: All External BoS members sent their approval through mail.

SCHEME OF INSTRUCTION & EVALUATION OF
M.Tech.(STRUCTURAL AND CONSTRUCTION ENGINEERING)

III-SEMESTER OF 2-YEAR M.TECH DEGREE PROGRAMME

[21th+1Dissertation+1Internship]												
S. No.	Course Category	Course Code	Course Title	Hours per Week			Credits	Evaluation Scheme				Total Marks
								CIE				
				L	T	P		TA	MSE	Total		
1	PE	P20SC301	Professional Elective-V/ MOOC-V	3	-	-	3	10	30	40	60	100
2	OE	P20OE302	Open Elective-I/ MOOC-VI	3	-	-	3	10	30	40	60	100
3	PROJ	P20SC303	Dissertation Phase-I /Industrial Project (to be continued in IV – semester also)	-	-	18	9	40	-	40	60	100
4	PROJ	P20SC304	Internship Evaluation	-	-	2	-	100	-	100	-	100
Total				6	-	20	15	160	60	220	180	400

[2Th+1Dissertation+1Internship]

L- Lecture, T - Tutorials, P -Practicals & C - Credits,Contact hours per week: 26; Total Credits: 15

Professional Elective-V/MOOC-V
P20SC301A: AI & ML applications in Construction Engineering
P20SC301B: Theory of Elasticity
P20SC301C: Finite Element Method
P20DS301D:MOOCs

Open Elective-I/MOOC-VI
P20OE302A: Business Analytics
P20OE302B: Industrial Safety
P20OE302C: Operations Research
P20OE302D: Cost Management of Engineering Projects
P20OE302E: Composite Materials
P20OE302F: Waste to Energy
P20OE302G: Renewable Energy Sources
P20OE302H: MOOCs

M.V. Veera Reddy
Dr. M. Veera Reddy
Chairperson, BoS

S. Sunil Prathap Reddy
Dr. S. Sunil Prathap Reddy
BoS Member
(Co-Opted Member)

L. Sudheer Reddy
Dr. L. Sudheer Reddy
BoS Member

E. M. Andral
Dr. M. Andral
BoS Member

Dr. M. Srikanth
Dr. M. Srikanth
BoS Member

Dr. D. Abhigna
Dr. D. Abhigna
BoS Member (Co-Opted Member)

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DEPARTMENT OF CIVIL ENGINEERING
KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE:: WARANGAL - 15
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SCHEME OF INSTRUCTION & EVALUATION OF
M.Tech.(STRUCTURAL AND CONSTRUCTION ENGINEERING)

IV-SEMESTER OF 2-YEAR M.TECH DEGREE PROGRAMME

[1 Dissertation]											
S. No.	Course Category	Course Code	Course Title	Hours per Week			Credits	Evaluation Scheme			
				Week				CIE		ESE	Total Marks
				L	T	P		TA	MSE		
1	PROJ	P20SC401	Dissertation Phase- II	-	-	30	15	40	-	40	100
			Total	-	-	30	15	40	-	40	100

L- Lecture, T - Tutorials, P -Practicals & C - Credits, Contact hours per week: 30; Total Credits: 15


Dr. M. Veera Reddy
 Chairperson, BoS


Dr. S. Sunil Prathap Reddy
 BoS Member
 (Co-Opted Member)


Dr. L. Sudheer Reddy
 BoS Member


Dr. M. Mandal
 BoS Member


Dr. M. Srikanth
 BoS Member


Dr. D. Hari Krishna
 BoS Member (Co-Opted Member)


Dr. D. Abhigna
 BoS Member (Co-Opted Member)

Note: All External BoS members sent their approval through mail.



KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL-15
(An Autonomous Institute under Kakatiya University, Warangal)
DEPARTMENT OF CIVIL ENGINEERING

Minutes of Virtual BoS Meeting

Date: 21.11.2020

Time: 4:30 p.m.

Agenda:

Approval of Scheme, Detailed syllabus of M. Tech (Structural and Construction Engineering) for I, II, III and IV Semesters, POs, PEOs, PSOs and K-S-Q Statements.

Members Present:

All the Board of Studies members of Civil Engineering department are present in virtual meeting for finalization of scheme and syllabus of M.Tech. Structural & Construction Engineering course offered by department of Civil Engineering.

S. No.	Name of the Member	Designation	Position in the BoS	Signature
1	Dr. M. Veera Reddy	Professor & HoD, CED, KITSW	Chairman, BoS	
2	Dr. L. Sudheer Reddy	Professor, CED, KITSW	Member	
3	Dr. M. Andal	Professor, CED, KITSW	Member	
4	Dr. M. Srikanth	Professor, CED, KITSW	Member	
5	Dr. D. Rama Seshu	Professor, Dept. of CE, NIT, Warangal	External Member (from renowned Academic Institute)	
6	Dr. K. Srinivasa Raju	Professor, Civil Engg. BITS, Hyderabad	External Member (from renowned Academic Institute)	
7	Dr. B. Sesha Srinivasa Rao	Professor, University College of Engineering, Kothagudam	External Member (University Nominee)	
8	Sri. R. Jagadeesh	Vice President, TPSC, India Pvt. Ltd.,	External Member (from Industry)	
9	Sri. M. Jagadeesh	Chief Project Manager, L&T Metro Rail (Hyderabad)	External Member (from Industry)	
10	Sri. P. Anvesh	AEE, Irrigation Department, Chinthagattu, Warangal	External Member (from Industry)	
11	Ms. Atiya Fathima	Assistant Executive Engineer, R&B, SE Circle office, Warangal	External Member (Post Graduate Meritorious Alumnus - Academia/Industry)	
12	Dr. D. Hari krishna	Assoc. Professor, CED, KITSW	Co-Opted Member-1	
13	Dr. S. Sunil Pratap Reddy	Assoc. Professor, CED, KITSW	Co-Opted Member-2	
14	Dr. D. Abhigna	Asst. Professor, CED, KITSW	Co-Opted Member-3	

MINUTES OF MEETING:

The virtual meeting was scheduled at 4:30 p.m. and was presided over by the Chairman of BOS Civil Engineering. The Chairman welcomed all the BOS members and briefed the members about the pre-notified agenda and following resolutions are taken in the meeting.

1. The BOS members approved the scheme and detailed Syllabus of **M. Tech. (Structural and Construction Engineering)** for I, II, III and IV Semesters.
2. The BOS members approved the POs, PEOs, PSOs.
3. The BOS members approved the K-S-Q statements, KSC mapping.
4. External BOS members appreciated the Management, Principal, Chairman BOS and Internal BOS members for taking initiation and framing the K-S-Q statements which are very useful for the students.
5. Finally, Dr. M. Veera Reddy, Professor & Head, Chairperson, BoS, CED, thanked all the BoS members for their participation and approval of Scheme, Detailed syllabus of M. Tech (Structural and Construction Engineering) for I, II, III and IV Semesters, POs, PEOs, PSOs and K-S-Q Statements.

The meeting adjourned at 5:45 p.m.

Regards:



Dr. M. Veera Reddy
Chairperson, BoS
Professor & Head,
Department of Civil Engineering,
Kakatiya Institute of Technology & Science(KITSW),
Yerragattu Hillock, Bheemaram,
Warangal, Telangana, India-506015.



DEPARTMENT OF CIVIL ENGINEERING
KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE:: WARANGAL - 15
(An Autonomous Institute under Kakatiya University, Warangal)

SCHEME OF INSTRUCTION & EVALUATION OF
M.Tech.(STRUCTURAL AND CONSTRUCTION ENGINEERING)
I-SEMESTER OF 2-YEAR M.TECH DEGREE PROGRAMME

[4Th+2P+1MC+1AC]

S. No.	Course Category	Course Code	Course Title	Hours pe. Week			Credits	Evaluation Scheme				
				L	T	P		CIE			Total Marks	
								TA	MSE	Total I		
1	PC	P20SC101	Limit Analysis of Reinforced Concrete Structures	3	-	-	3	10	30	40	60	100
2	PC	P20SC102		Construction Management	3	-	-	3	10	30	40	60
3	PE	P20SC103	Professional Elective-I/ MOOC-I	3	-	-	3	10	30	40	60	100
4	PE	P20SC104	Professional Elective-II/ MOOC-II	3	-	-	3	10	30	40	60	100
5	PC	P20SC105	Structural Engineering Laboratory	-	-	4	2	40	-	40	60	100
6	PC	P20SC106	Construction Planning and Scheduling Laboratory	-	-	4	2	40	-	40	60	100
7	MC	P20MC107	Research Methodology & IPR	2	-	-	2	10	30	40	60	100
8	AC	P20AC108	Audit Course-I	2	-	-	1	10	30	40	60	100
Total				16	-	8	19	140	180	320	480	800

L- Lectures, T - Tutorials, P -Practicals & C - Credits, Contact hours per week: 24; Total Credits: 19

Professional Elective-I/ MOOC-I
P20SC103A: Matrix Analysis of Structures
P20SC103B: Design of Concrete Bridges
P20SC103C: Precast Concrete Technology
P20SC103D: MOOCs

Dr.M. Veera Reddy
Chairperson, BoS

Dr. S. Sunil Prathap Reddy
BoS Member
(Co-Opted Member)

Professional Elective-II/ MOOC-II
P20SC104A: Behaviour of Concrete
P20SC104B: Construction Project Administration
P20SC104C: Building Services
P20SC104D: MOOCs

Dr.L.Sudheer Reddy
BoS Member

Dr. Hari Krishna
BoS Member (Co-Opted Member)

Audit Course-I
P20AC108A: English for Research Paper Writing
P20AC108B: Sanskrit for Technical Knowledge
P20AC108C: Constitution of India
P20AC108D: Pedagogy Studies

Dr.M. Srikanth
BoS Member

Dr.D. Abhinava
BoS Member (Co-Opted Member)

Note: All External BoS members sent their approval through mail.



DEPARTMENT OF CIVIL ENGINEERING
KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE:: WARANGAL - 15
(An Autonomous Institute under Kakatiya University, Warangal)

SCHEME OF INSTRUCTION & EVALUATION OF
M.Tech.(STRUCTURAL AND CONSTRUCTION ENGINEERING)
II-SEMESTER OF 2-YEAR M.TECH DEGREE PROGRAMME

[4Th+2P+1Mini Project +1AC]

S. No.	Course Category	Course Code	Course Title	Hours per Week			Credits	Evaluation Scheme				Total Marks
				L	T	P		CIE			ESE	
								TA	MSE	Total		
1	PC	P20SC201	Dynamics of Structures	3	-	-	3	10	30	40	60	100
2	PC	P20SC202	Construction Techniques& Equipment	3	-	-	3	10	30	40	60	100
3	PE	P20SC203	Professional Elective-III/ MOOC-III	3	-	-	3	10	30	40	60	100
4	PE	P20SC204	Professional Elective-IV/ MOOC-IV	3	-	-	3	10	30	40	60	100
5	PC	P20SC205	Structural Engineering Software Applications Laboratory	-	-	4	2	40	-	40	60	100
6	PC	P20SC206	Infrastructure Design and Drawing laboratory	-	-	4	2	40	-	40	60	100
7	PROJ	P20SC207	Mini Project with Seminar	-	-	4	2	40	-	40	60	100
8	AC	P20AC208	Audit Course-II	2	-	-	1	10	30	40	60	100
Total				14	-	12	19	170	150	320	480	800

Note: The students shall undergo mandatory Industrial training/ Internship for at least 6 to 8 weeks during summer vacation at Industry/R&D organization. Internship evaluation will be done during the III semester.

L- Lecture, T - Tutorials, P -Practicals & C - Credits; Contact hours per week: 26; Total Credits: 19

Professional Elective - III/ MOOC - III

P20SC203A: Earthquake Resistant Design of RCC Structures
P20SC203B: Design of Special Structures
P20SC203C: Repair, Rehabilitation and Retrofitting of structures
P20SC203D: MOOCs

Professional Elective - IV/MOOC - IV

P20SC204A: Quality and Safety Management
P20SC204B: Sustainable Construction Engineering
P20SC204C: Urban Infrastructure Planning and Management
P20SC204D: MOOCs

Audit Course - II

P20AC208A: Stress Management by Yoga
P20AC208B: Value Education
P20AC208C: Personality Development through Life Enlightenment Skills
P20AC208D: Disaster Management

Dr. M. Veera Reddy
Chairperson, BoS

Dr. S. Sunil Prathap Reddy
BoS Member
(Co-Opted Member)

Dr. L. Sudheer Reddy
BoS Member

Dr. D. Hari Krishna
BoS Member (Co-Opted Member)

Dr. M. Andar
BoS Member

Dr. M. Srikanth
BoS Member

Dr. D. Abhigna
BoS Member (Co-Opted Member)

Note: All External BoS members sent their approval through mail.



DEPARTMENT OF CIVIL ENGINEERING
KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE:: WARANGAL - 15
(An Autonomous Institute under Kakatiya University, Warangal)

SCHEME OF INSTRUCTION & EVALUATION OF
M.Tech.(STRUCTURAL AND CONSTRUCTION ENGINEERING)

III-SEMESTER OF 2-YEAR M.TECH DEGREE PROGRAMME

[2Th+1Dissertation+1Internship]												
S. No.	Course Category	Course Code	Course Title	Hours per Week			Credits	Evaluation Scheme				
				L	T	P		CIE			ESE	Total Marks
								TA	MSE	Total		
1	PE	P20SC301	Professional Elective-V// MOOC-V	3	-	-	3	10	30	40	60	100
2	OE	P20OE302	Open Elective-I/ MOOC-VI	3	-	-	3	10	30	40	60	100
3	PROJ	P20SC303	Dissertation Phase-I / Industrial Project (to be continued in IV – semester also)	-	-	18	9	40	-	40	60	100
4	PROJ	P20SC304	Internship Evaluation	-	-	2	-	100	-	100	-	100
Total				6	-	20	15	160	60	220	180	400

[2Th+1Dissertation+1Internship]

L- Lecture, T - Tutorials, P -Practicals & C - Credits,Contact hours per week: 26; Total Credits: 15

Professional Elective-V/ MOOC-V
P20SC301A: AI & ML applications in Construction Engineering
P20SC301B: Theory of Elasticity
P20SC301C: Finite Element Method
P20DS301D:MOOCs

Open Elective-I/ MOOC-VI
P20OE302A: Business Analytics
P20OE302B: Industrial Safety
P20OE302C: Operations Research
P20OE302D: Cost Management of Engineering Projects
P20OE302E: Composite Materials
P20OE302F: Waste to Energy
P20OE302G: Renewable Energy Sources
P20OE302H: MOOCs


Dr.M. Veera Reddy
Chairperson, BoS


Dr.L.Sudheer Reddy
BoS Member


Dr.M. Andral
BoS Member


Dr. M. Srikanth
BoS Member


Dr. S. Sunil Prathap Reddy
BoS Member
(Co-Opted Member)


Dr. D. Hari Krishna
BoS Member (Co-Opted Member)


Dr. D. Abhigna
BoS Member (Co-Opted Member)

Note: All External BoS members sent their approval through mail.



DEPARTMENT OF CIVIL ENGINEERING
KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE:: WARANGAL - 15
(An Autonomous Institute under Kakatiya University, Warangal)

SCHEME OF INSTRUCTION & EVALUATION OF
M.Tech.(STRUCTURAL AND CONSTRUCTION ENGINEERING)

IV-SEMESTER OF 2-YEAR M.TECH DEGREE PROGRAMME

[1 Dissertation]											
S. No.	Course Category	Course Code	Course Title	Hours per Week			Credits	Evaluation Scheme			
				CIE				Total Marks			
				L	T	P			TA	MSE	Total
1	PROJ	P20SC401	Dissertation Phase- II	-	-	30	15	40	-	40	100
Total				-	-	30	15	40	-	40	100

[1 Dissertation]

L- Lecture, T - Tutorials, P -Practicals & C - Credits,Contact hours per week: 30; Total Credits: 15

M. Veera Reddy
Dr.M.Veera Reddy
 Chairperson, BoS

Sunil Prathap Reddy
Dr. S. Sunil Prathap Reddy
 BoS Member
 (Co-Opted Member)

Sudheer Reddy
Dr.L.Sudheer Reddy
 BoS Member

M. Mandal
Dr. M.Mandal
 BoS Member

M. Srikanth
Dr. M.Srikanth
 BoS Member

D. D. Abhigna
Dr. D.Abhigna
 BoS Member (Co-Opted Member)

Note: All External BoS members sent their approval through mail.



KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL-15
(An Autonomous Institute under Kakatiya University, Warangal)
DEPARTMENT OF CIVIL ENGINEERING

Minutes of Virtual BoS Meeting

Date: 21.11.2020

Time: 4:30 pm

Venue: online

Agenda:

Approval of Scheme, Detailed syllabus of M. Tech (Structural and Construction Engineering) for I, II, III and IV Semesters, POs, PEOs, PSOs and K-S-Q Statements.

Members Present:

All the Board of Studies members of Civil Engineering are present in virtual meeting for finalization of scheme and syllabus of M.Tech. Structural & Construction Engineering course offering through department of Civil Engineering.

S. No.	Name of the Member	Designation	Position in the BoS
1	Dr. M. Veera Reddy	Professor & Head, Civil Engg., KITSW	Chairman, BoS
2	Dr. L. Sudheer Reddy	Professor, Civil Engg., KITSW	Member
3	Dr. M. Andal	Professor, Civil Engg., KITSW	Member
4	Dr. M. Srikanth	Professor Civil Engg., KITSW	Member
5	Dr. D. Rama Seshu	Professor, Dept. of CE, NIT, Warangal	External Member (from renowned Academic Institute)
6	Dr. K. Srinivasa Raju	Professor, Civil Engg. BITS, Hyderabad	External Member (from renowned Academic Institute)
7	Dr. B. Sesha Srinivasa	Professor, University College of Engineering, Kothagudam	External Member (University Nominee)
8	Sri. R. Jagadeesh	Vice President, TPSC, India Pvt. Ltd.,	External Member (from Industry)
9	Sri. M. Jagadeesh	Chief Project Manager, L&T Metro Rail (Hyderabad)	External Member (from Industry)
10	Sri. P. Anvesh	AEE, Irrigation Department, Chinthagattu, Warangal	External Member (from Industry)
11	Ms. Atiya Fathima	Assistant Executive Engineer, R&B, SE Circle office, Warangal	External Member (Post Graduate Meritorious Alumnus Academia/Industry)
12	Dr. D. Hari krishna	Assoc., Professor, Civil Engg., KITSW	Co-Opted Member-1
13	Dr. S. Sunil Pratap Reddy	Assoc., Professor, Civil Engg., KITSW	Co-Opted Member-2
14	Dr. D. Abhigna	Asst. Professor, Civil Engg., KITSW	Co-Opted Member-3

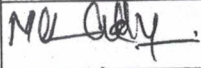
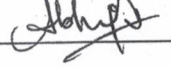
MINUTES OF MEETING:

The virtual meeting was scheduled at 4:30 p.m. and was presided over by the Chairman of BOS Civil Engineering. The Chairman welcomed all the BOS members and briefed the members about the pre-notified agenda.

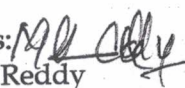
1. The BOS members approved the scheme and detailed Syllabus of **M. Tech.(Structural and Construction Engineering)** for I, II, III and IV Semesters.
2. The BOS members approved the POs, PEOs, PSOs.
3. The BOS members approved the K-S-Q statements, KSC mapping.
4. External BOS members appreciated the Management, Principal, Chairman BOS and Internal BOS members for taking initiation and framing the K-S-Q statements which are very useful for the students.
5. Finally, Dr. M. Veera Reddy, Professor & Head, Chairperson, BoS, CED, thanked all the BoS members for their participation and approval of Scheme, Detailed syllabus of M. Tech (Structural and Construction Engineering) for I, II, III and IV Semesters, POs, PEOs, PSOs and K-S-Q Statements.

The meeting adjourned at 5:45 pm.

Signatures of Internal BoS members:

S. No.	Name of the Member	Designation	Position in the BoS	Signature
1	Dr. M. Veera Reddy	Professor & Head, Civil Engg., KITSW	Chairman, BoS	
2	Dr. L. Sudheer Reddy	Professor, Civil Engg., KITSW	Member	
3	Dr. M. Andal	Professor, Civil Engg., KITSW	Member	
4	Dr. M. Srikanth	Professor Civil Engg., KITSW	Member	
5	Dr. D. Hari krishna	Assoc., Professor, Civil Engg., KITSW	Co-Opted Member-1	
6	Dr. S. Sunil Pratap Reddy	Assoc., Professor, Civil Engg., KITSW	Co-Opted Member-2	
7	Dr. D. Abhigna	Asst. Professor, Civil Engg., KITSW	Co-Opted Member-3	

Encl: External BoS Members Approval copy (Approved through mail).

Regards: 
Dr. M. Veera Reddy
Chairperson, BoS
Professor & Head, Dept. of CED



DEPARTMENT OF CIVIL ENGINEERING
KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL -15
(An Autonomous Institute under Kakatiya University, Warangal)
SCHEME OF INSTRUCTION & EVALUATION FOR TWO YEAR POSTGRADUATE PROGRAMME
M.TECH. (STRUCTURAL AND CONSTRUCTION ENGINEERING)
SEMESTER-I

PRR-20

Sr. No.	Course Type	Course Code	Course Name	Teaching scheme			Credits	Evaluation Scheme							Total Marks		
				L	T	P		CIE -TA								ESE	
								PRE			Minor			MSE			Total
								ATLP	CRP	CP	PPT						
1	PC	P20SC101	Limit Analysis of Reinforced Concrete Structures	3	-	-	3	8	8	8	6	10	20	60	40	100	
2	PC	P20SC102		Construction Management	3	-	-	3	8	8	8	6	10	20	60	40	100
3	PE	P20SC103		Professional Elective-I/ MOOC-I	3	-	-	3	8	8	8	6	10	20	60	40	100
4	PE	P20SC104		Professional Elective-II/ MOOC-II	3	-	-	3	8	8	8	6	10	20	60	40	100
5	PC	P20SC105	Structural Engineering Laboratory	-	-	4	2	-	-	-	-	-	-	60	40	100	
6	PC	P20SC106	Construction Planning and Scheduling Laboratory	-	-	4	2	-	-	-	-	-	-	60	40	100	
7	MC	P20MC107	Research Methodology & IPR	2	-	-	2	8	8	8	6	10	20	60	40	100	
8	AC	P20AC108	Audit Course-I	2	-	-	1	8	8	8	6	10	20	60	40	100	
Total:				16	-	8	19								480	320	800

[L= Lecture, T = Tutorials, P = Practicals, C = Credits, ATLP = Assignments, CRP = Course Research Paper, CP = Course Patent, PPT = Course Presentation, Minor=Minor Examination, MSE=Mid Semester Examination and ESE=End Semester Examination] Total Contact Periods/Week: 24 Total Credits: 19

Elective-1

P20SC103A: Matrix Analysis of Structures
P20SC103B: Design of Concrete Bridges
P20SC103C: Precast Concrete Technology
P20SC103D: MOOCs

(Signature)
Dr. M. Veera Reddy
Chairperson, BoS

(Signature)
Dr. S. Sunil Prathap Reddy
BoS Member (Co-Opted Member)

Elective-2

P20SC104A: Behaviour of Concrete
P20SC104B: Construction Project Administration
P20SC104C: Building Services
P20SC104D: MOOCs

(Signature)
Dr. J. Sudheer Reddy
BoS Member

(Signature)
Dr. B. Hari Krishna
BoS Member (Co-Opted Member)

Audit Course-1

P20AC108A: English for Research Paper Writing
P20AC108B: Sanskrit for Technical Knowledge
P20AC108C: Constitution of India
P20AC108D: Pedagogy Studies

(Signature)
Dr. M. Srikanth
BoS Member

(Signature)
Dr. D. Abhinava
BoS Member (Co-Opted Member)

Note: All the External BoS members sent their approval through Email



DEPARTMENT OF CIVIL ENGINEERING
KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL - 15
(An Autonomous Institute under Kakatiya University, Warangal)
SCHEME OF INSTRUCTION & EVALUATION FOR TWO YEAR POSTGRADUATE PROGRAMME

PRR-20

M.TECH. (STRUCTURAL AND CONSTRUCTION ENGINEERING)
SEMESTER-II

Sr. No.	Course Type	Course Code	Course Name	Teaching scheme			Credits	Evaluation Scheme							Total Marks		
				L	T	P		CIE- TA					ESE				
								PRE			Minor	MSE		Total			
								ATLP	CRP	CP						PPT	
1	PC	P20SC201	Dynamics of Structures	3	-	-	3	8	8	6	10	20	60	40	100		
2	PC	P20SC202	Construction Techniques & Equipment	3	-	-	3	8	8	6	10	20	60	40	100		
3	PE	P20SC203	Professional Elective-III/ MOOC-III	3	-	-	3	8	8	6	10	20	60	40	100		
4	PE	P20SC204	Professional Elective-IV/ MOOC-IV	3	-	-	3	8	8	6	10	20	60	40	100		
5	PC	P20SC205	Structural Engineering Software Applications Laboratory	-	-	4	2	-	-	-	-	-	60	40	100		
6	PC	P20SC206	Infrastructure Design and Drawing laboratory	-	-	4	2	-	-	-	-	-	100	-	100		
7	PROJ	P20SC207	Mini Project with Seminar	-	-	4	2	-	-	-	-	-	60	40	100		
8	AC	P20AC208	Audit Course-II	2	-	-	1	8	8	6	10	20	60	40	100		
Total:				14	-	12	19								520	280	800

Minor=Minor
Presentation

[L = Lecture, T = Tutorials, P = Practicals, C = Credits, ATLP = Assignments, CRP = Course Research Paper, CP = Course Patent, PPT = Course Presentation, Minor=Minor Examination, MSE=Mid Semester Examination and ESE=End Semester Examination] Total Contact Periods/Week: 26
Total Credits: 19

Elective-3

P20SC203A: Earthquake Resistant Design of RCC Structures
P20SC203B: Design of Special Structures
P20SC203C: Repair, Rehabilitation and Retrofitting of structures
P20SC203D: MOOCs

(Signature)
Dr. M. Veera Reddy
Chairperson, BoS

(Signature)
Dr. S. Sunil Prathap Reddy
BoS Member (Co-Opted Member)

Elective-4

P20SC204A: Quality and Safety Management
P20SC204B: Sustainable Construction Engineering
P20SC204C: Urban Infrastructure Planning and Management
P20SC204D: MOOCs

(Signature)
Dr. L. Sudheer Reddy
BoS Member

(Signature)
Dr. D. Harikrishna
BoS Member (Co-Opted Member)

Audit Course - 2

P20AC208A: Stress Management by Yoga
P20AC208B: Value Education
P20AC208C: Personality Development through Life Enlightenment Skills
P20AC208D: Disaster Management

(Signature)
Dr. M. Srikanth
BoS Member

(Signature)
Dr. P. Abhinava
BoS Member (Co-Opted Member)

Note: All the External BoS members sent their approval through Email.



DEPARTMENT OF CIVIL ENGINEERING
KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL - 15
(An Autonomous Institute under Kakatiya University, Warangal)

PRR-20

SCHEME OF INSTRUCTION & EVALUATION FOR TWO YEAR POSTGRADUATE PROGRAMME
M.TECH. (STRUCTURAL AND CONSTRUCTION ENGINEERING)

SEMESTER-III

Sr. No.	Course Type	Course Code	Course Name	Teaching scheme			Credits	Evaluation Scheme							Total Marks		
				L	T P			CIE - TA									
								I ² RE			Minor	MSE	Total				
								ATLP	CRP	CP						PPT	
1	PE	P20SC301	Professional Elective-V/ MOOC-V	3	-	-	3	8	8	6	10	20	60	100			
2	OE	P20OE302	Open Elective-I/ MOOC-VI	3	-	-	3	8	8	6	10	20	60	100			
3	PROJ	P20SC303	Dissertation Phase - I/Industrial Project (to be continued in IV - Semester also as Dissertation Phase - II)	-	-	18	9	-	-	-	-	-	100	100			
4	PROJ	P20SC304	Internship Evaluation	-	-	2	-	-	-	-	-	-	100	100			
Total:				6	-	20	15								320	80	400

[L = Lecture, T = Tutorials, P = Practicals, C = Credits, ATLP = Assignments, CRP = Course Research Paper, CP = Course Patent, PPT = Course Presentation, Minor=Minor Examination, MSE=Mid Semester Examination and ESE=End Semester Examination] Total Contact Periods/Week: 26

Total Credits: 15

Elective- 5

P20SC301A: AI & ML applications in Construction Engineering
P20SC301B: Theory of Elasticity
P20SC301C: Finite Element Method
P20SC301D: MOOCs

Open Elective

P20OE302A: Business Analytics
P20OE302B: Industrial Safety
P20OE302C: Operations Research
P20OE302D: Cost Management of Engineering Projects
P20OE302E: Composite Materials
P20OE302F: Waste to Energy
P20OE302G: Renewable Energy Sources
P20OE302H: MOOCs

Dr. M. Veerabhadra Reddy
Chairperson, BoS

Dr. S. Sunil Prathap Reddy
BoS Member (Co-Opted Member)

Dr. L. Sudheer Reddy
BoS Member

Dr. D. Hari Krishna
BoS Member (Co-Opted Member)

Dr. M. Andar
BoS Member

Dr. M. Srikanth
BoS Member

Dr. P. Abhinava
BoS Member (Co-Opted Member)

Note: All the External BoS members sent their approval through Email



DEPARTMENT OF CIVIL ENGINEERING
KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL - 15
(An Autonomous Institute under Kakatiya University, Warangal)

PRR-20

SCHEME OF INSTRUCTION & EVALUATION FOR TWO YEAR POSTGRADUATE PROGRAMME
M.TECH. (STRUCTURAL AND CONSTRUCTION ENGINEERING)

SEMESTER-IV

Sr. No.	Course Type	Course Code	Course Name	Teaching scheme		Credits	Evaluation Scheme								Total Marks
							CIE - TA						ESE		
				L	T		P	I ² RE			Minor	MSE Total	Total		
								ATLP	CRP	CP				PPT	
1	PROJ	P20SC401	Dissertation Phase - II	-	-	30	15	-	-	-	-	60	40	100	
Total:				-	-	30	15	60						40	100

[L= Lecture, T = Tutorials, P = Practicals, C = Credits, ATLP = Assignments, CRP = Course Research Paper, CP = Course Patent, PPT = Course Presentation, Minor=Minor Examination, MSE=Mid Semester Examination and ESE=End Semester Examination] Total Contact Periods/Week: 30 Total Credits: 15

M. Veera Reddy
Dr. M. Veera Reddy
 Chairperson, BoS

Dr. S. Sunil Prathap Reddy
Dr. S. Sunil Prathap Reddy
 BoS Member (Co-Opted Member)

Dr. L. Sudheer Reddy
Dr. L. Sudheer Reddy
 BoS Member

Dr. M. Andar
Dr. M. Andar
 BoS Member

Dr. D. Hari Krishna
Dr. D. Hari Krishna
 BoS Member (Co-Opted Member)

Dr. D. Abhinava
Dr. D. Abhinava
 BoS Member (Co-Opted Member)

Note: All the External BoS members sent their approval through Email.



KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE

Opp : Yerragattu Gutta, Hasanparthy (Mandal), WARANGAL - 506 015, Telangana, INDIA.

काकतीय प्रौद्योगिकी एवं विज्ञान संस्थान, बरंगल - ५०६ ०१५ तेलंगाना, भारत
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(Approved by AICTE, New Delhi; Recognised by UGC under 2(f) & 12(B); Sponsored by EKASILA EDUCATION SOCIETY)

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DEPARTMENT OF CIVIL ENGINEERING

VISION OF THE DEPARTMENT

- The Vision of the department is to become a leading centre of excellence in producing quality human resource in civil engineering by developing a sustainable technical education system to meet the changing technological needs of the Country. The Department will make significant contributions to the economic development of the state, region and nation.

MISSION OF THE DEPARTMENT

- The Mission of Civil Engineering Department is to produce outstanding Civil Engineering graduates with highest ethics.
- To impart quality education in civil engineering to raise satisfaction Level of all Stake holders.
- To serve society and the nation by providing professional civil Engineering Leadership to find solution to community, regional and Global problems and accept new challenges in rapidly changing Technology.

M.Tech (Structural and Construction Engineering)

1. M.Tech (Structural and Construction Engineering) Program PEOs

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)	
At the time of graduation, the post graduates of S&CE will be able to ...	
PEO1 (Research and Innovation)	demonstrate an epistemic state of exploring the research-based innovation in structural and construction engineering
PEO2 (Technical expertise and Successful career)	generate best possible outcomes through potent technical expertise and decisions, making them accountable in the construction industry
PEO3 (Soft skills and Lifelong learning)	develop self-efficacy, metacognition and entrepreneurship, thus laying foundation for lifelong learning in the domain of sustainable construction industry.

2. NBA POs for M. Tech (Structural and Construction Engineering)



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M.TECH. (STRUCTURAL AND CONSTRUCTION ENGINEERING)

PRR-20

SEMESTER-I

Sr. No.	Course Type	Course Code	Course Name	Teaching scheme			Credits	Evaluation Scheme										Total Marks
				L	T	P		CIE –TA						ESE				
								I ² RE			Minor	MSE	Total					
								ATLP	CRP	CP					PPT			
1	PC	P20SC101	Limit Analysis of Reinforced Concrete Structures			3	-	-	3	8	8	8	6	10	20	60	40	100
2	PC	P20SC102	Construction Management			3	-	-	3	8	8	8	6	10	20	60	40	100
3	PE	P20SC103	Professional Elective-I/ MOOC-I			3	-	-	3	8	8	8	6	10	20	60	40	100
4	PE	P20SC104	Professional Elective-II/ MOOC-II			3	-	-	3	8	8	8	6	10	20	60	40	100
5	PC	P20SC105	Structural Engineering Laboratory			-	-	4	2	-	-	-	-	-	-	60	40	100
6	PC	P20SC106	Construction Planning and Scheduling Laboratory			-	-	4	2	-	-	-	-	-	-	60	40	100
7	MC	P20MC107	Research Methodology & IPR			2	-	-	2	8	8	8	6	10	20	60	40	100
8	AC	P20AC108	Audit Course-I			2	-	-	1	8	8	8	6	10	20	60	40	100
Total:						16	-	8	19	480							320	800

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Elective-1

P20SC103A: Matrix Analysis of Structures
P20SC103B: Design of Concrete Bridges
P20SC103C: Precast Concrete Technology
P20SC103D: MOOCs

Elective-2

P20SC104A: Behaviour of Concrete
P20SC104B: Construction Project Administration
P20SC104C: Building Services
P20SC104D: MOOCs

Audit Course-1

P20AC108A: English for Research Paper Writing
P20AC108B: Sanskrit for Technical Knowledge
P20AC108C: Constitution of India
P20AC108D: Pedagogy Studies

Total Contact Periods/Week: 24

Total Credits: 19

PRR-20

**SCHEME OF INSTRUCTION & EVALUATION FOR TWO YEAR POSTGRADUATE PROGRAMME
M.TECH. (STRUCTURAL AND CONSTRUCTION ENGINEERING)**

SEMESTER-III

Sr. No.	Course Type	Course Code	Course Name	Teaching scheme		Credits	Evaluation Scheme										Total Marks
							CIE - TA							ESE			
				L	T		P	I ² RE			Minor	MSE	Total				
								ATLP	CRP	CP					PPT		
1	PE	P20SC301	Professional Elective-V/ MOOC-V	3	-	-	3	8	8	8	6	10	20	60	40	100	
2	OE	P20OE302	Open Elective-II/ MOOC-VI	3	-	-	3	8	8	8	6	10	20	60	40	100	
3	PROJ	P20SC303	Dissertation Phase – I/Industrial Project (to be continued in IV – Semester also as Dissertation Phase – II)	-	-	18	9	-	-	-	-	-	-	100	-	100	
4	PROJ	P20SC304	Internship Evaluation	-	-	2	-	-	-	-	-	-	-	100	-	100	
Total:				6	-	20	15	320							80	400	

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Elective- 5

P20SC301A: AI & ML applications in Construction Engineering
P20SC301B: Theory of Elasticity
P20SC301C: Finite Element Method
P20DS301D: MOOCs

Open Elective

P20OE302A: Business Analytics

P20OE302B: Industrial Safety
P20OE302C: Operations Research
P20OE302D: Cost Management of Engineering Projects
P20OE302E: Composite Materials
P20OE302F: Waste to Energy
P20OE302G: Renewable Energy Sources
P20OE302H: MOOCs

Total Contact Periods/Week: 26

Total Credits: 15

SEMESTER vs COURSE CATEGORY WEIGHTAGE
 Number of Courses / Number of Credits (Course Category wise)

Semester	MC	PC	PE	OE	PROJ	AC	TOTAL
I	1/2	4/10	2/6	-	-	1/1	8/19
II	-	4/10	2/6	-	1/2	1/1	8/19
III	-	-	1/3	1/3	2/9	-	4/15
IV	-	-	-	-	1/15	-	1/15
Total	1/2	8/20	5/15	1/3	4/26	2/2	21/68
% Weightage of Course Category	2.94 % (2/68)	29.41 % (20/68)	22.05 % (15/68)	4.41 % (3/68)	38.23 % (26/68)	2.94 % (2/68)	100 % (68/68)



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PRR - 20

RULES AND REGULATIONS FOR POSTGRADUATE PROGRAMME - M.TECH 2-YEAR DEGREE PROGRAMME (PRR-20)

CHOICE BASED CREDIT SYSTEM (CBCS)

(Applicable from the academic year 2020-21)

VISION OF THE INSTITUTE

- To make our students technologically superior and ethically strong by providing quality education with the help of our dedicated faculty and staff and thus improve the quality of human life

MISSION OF THE INSTITUTE

- To provide latest technical knowledge, analytical and practical skills, managerial competence and interactive abilities to students, so that their employability is enhanced
- To provide a strong human resource base for catering to the changing needs of the Industry and Commerce
- To inculcate a sense of brotherhood and national integrity

2.16 "CoE" means Controller of Examinations of the Institute.

3. POST GRADUATE PROGRAMMES IN ENGINEERING

- 3.1 The Institute shall offer the following Post Graduate (M.Tech.) Programmes in engineering under CBCS:
1. Structural & Construction Engineering (offered by the Dept. of Civil Engineering)
 2. Design Engineering (offered by the Dept. of Mechanical Engineering)
 3. Digital Communication (offered by the Dept. of Electronics & Communication Engineering)
 4. Software Engineering (offered by the Dept. of Computer Science & Engineering)
 5. VLSI & Embedded Systems (offered by the Dept. of Electronics & Instrumentation Engineering)
 6. Power Electronics (offered by the Dept. of Electrical & Electronics Engineering)
 7. Data Science (offered by the Dept. of Information Technology)
 8. Communication Engineering & Signal Processing (offered by the Dept. of Electronics & Communication Engineering)
- 3.2 The provisions of these regulations shall also be applicable to any new postgraduate programmes that are introduced from time to time with approval from appropriate bodies such as MHRD / AICTE / UGC, etc.

4. ADMISSION

Course	Specialization	Eligibility		
		Qualifying degree	GATE/ GPAT Exam	PGECET Exam
M.Tech.	Structural & Construction Engg.	B.E. / B.Tech. / AMIE in Civil Engineering / Construction Engineering or equivalent. They should have qualified at GATE/PGECET	CE	CE
M.Tech.	Design Engineering	B.E. / B.Tech./ AMIE in Mechanical Engineering / Production Engineering / Industrial Engineering/ Aeronautical Engineering, / Marine Engineering or equivalent. They should have qualified at GATE /PGECET	ME	ME
M.Tech.	Digital Communication	B. E. / B.Tech. / AMIE in ECE, AMIE (Electronics & Telecommunication Engg. / B.E. / B.Tech. in Electrical or Electrical & Electronics Engg., EIE and Bio-medical Engg. or equivalent. They should have qualified at GATE / PGECET	EC / IN	ECE
M.Tech.	Software Engineering	B.E. / B.Tech. / AMIE in any branch of Engg. / Tech. (or) equivalent Master's Degree in Physics, Statistics, Mathematics, Applied Mathematics, Applied Statistics, Applied Physics, Geophysics, M.Sc. (Computer Science), M.Sc. (Information Systems) (Computer Applications & Electronics) and MCA or equivalent. They should have qualified at GATE / PGECET	CS	CS
M.Tech.	VLSI & Embedded System	B.E. / B.Tech. / AMIE in ECE, EIE, EEE, CSE, IT (or) equivalent. They should have qualified at GATE / PGECET	CS / EC / IN / EE	EC
M.Tech.	Power Electronics	B.E. / B.Tech. / AMIE in Electrical & Electronics Engg. /Electrical Engg. or equivalent	EE	EE
M.Tech.	Data Science	B.E. / B.Tech. / AMIE in any branch of Engg. / Tech. (or) equivalent Master's Degree in Physics, Statistics,	CS	CS

S.No.	Particulars	Weightage
1.	Teacher's Assessment (TA) (Assignments)	10%
2.	Mid Semester Examination (MSE) (MSE-I & MSE-II)	30%
Total Weightage		40%

10.4.3 Teachers Assessment (TA):

- There shall be 2 Assignments and 2 Minor exams (Quiz/Slip test, etc.) for each course at regular intervals of time
- Minor-I shall be based on Unit-I syllabus, Minor-II shall be based on Unit-III syllabus, Assignment-I shall be based on Unit-I & Unit-II syllabi and to be submitted before MSE-I, Assignment-II shall be based on Unit-III & Unit-IV syllabi and to be submitted before MSE-II.
- Average of Assignment-I, Assignment-II, Minor-I and Minor-II marks shall be taken under TA

10.4.4 Mid Semester Examination (MSE):

- There shall be two mid semester examinations (MSE-I and MSE-II) of two hour duration each.
- It is mandatory for the student to take both MSEs
- MSE evaluation shall be done as given below:

MSE marks awarded = (70% of the best of MSE-I & MSE-II marks)
+ (30% of the other MSE marks)

Ex: A student secured following marks

MSE-I marks : 10 out of 30

MSE-II marks : 20 out of 30

MSE marks awarded = (70% of 20) + (30% of 10) = 14 + 3 = 17

- The marks obtained by the students in MSE must be submitted to the Controller of Examination (CoE) by the teachers within 1 week from the date of conduct of the examination.

- The dates for MSE and ESE will be declared by the CoE in consultation with the Dean, Academic Affairs.

10.5 End Semester Examination (ESE) for Theory Course:

There shall be an End Semester Examination (ESE) at the end of each semester for three hour duration for each course.

10.6 Continuous Internal Evaluation (CIE) for Practical (Laboratory) Course:

10.6.1 Continuous Internal Evaluation (CIE) for practical course shall carry 40% weightage.

10.6.2 The Continuous Internal Evaluation (CIE) throughout the semester shall consist of the following:

Assessment	Weightage
Regular Experimentation / Job work	10%
Regular submission of record	10%
Quiz / Skill test / Viva-voce at the end of semester	10%
Viva-voce at the end of semester	10%
Total Weightage	40%

10.7 End Semester Examination (ESE) for Practical (Laboratory) Course:

10.7.1 There shall be an ESE at the end of each semester for three hour duration for each practical course.

10.7.2 The ESE for practical course shall carry 60% weightage.

10.7.3 The marks distribution at ESE shall be as follows:

Assessment	Weightage
Procedure/Experimentation/Tabulation/Result. as applicable	40%
Viva-voce at the end of semester	20%
Total Weightage	60%

6. REGISTRATION

- 6.1 All the students are required to register in person at the beginning of each academic year on the dates specified in the academic calendar (almanac).
- 6.2 The sole responsibility for registration rests with the student concerned.
- 6.3 Registration of students will be centrally organized by the Academic section.
- 6.4 The Registration procedure involves:
 - a) Filling of the prescribed registration form
 - b) Payment of fees and clearance of outstanding dues (if any)
 - c) Signing undertakings (undertaking for regular attendance, discipline and against ragging) along with the parents
- 6.5 If for any compelling reasons like illness, etc., a student is unable to register on the announced day of registration, he/she can register within 12 working days from the beginning of the academic year on payment of an additional late fee as prescribed by the Institute.
- 6.6 **No late registration shall be permitted after 12th working day** from the scheduled date of commencement of class work for that academic year.
- 6.7 Only those students will be permitted to register who have
 - a) cleared all institute and hostel dues of previous semesters
 - b) paid all required prescribed fees for the current academic year
 - c) not been debarred / detained from registering for a specified period on disciplinary or any other grounds
 - d) cleared the minimum academic requirement as detailed in Regulation No. 15

7. CURRICULUM

- 7.1 Assignment based Teaching Learning Process (ATLP)
- 7.2 I²RE (Innovation, Incubation, Research and Entrepreneurship) based Learning activity
- 7.3 Importance to the Course Projects
- 7.4 The Model curriculum/ Course structure as suggested by AICTE, New Delhi; Choice Based Credit System (CBCS) and Credit Based Semester System (CBSS) as denoted by UGC, New Delhi is followed for all PG programmes.
- 7.5 The duration of the programme leading to M.Tech degree will be 4 semesters (2 academic years)
- 7.6 The curricula for 2-year M.Tech degree programme as proposed by the department and recommended by the BoS shall have the approval of the Academic Council.
- 7.7 As suggested by AICTE, the courses offered for PG programme are broadly classified as: Program Core courses; Program Elective courses ; Labs based on Core courses; Lab based on Elective courses; Research Methodology and IPR (Mandatory); Audit courses; Open Elective; Mini Project with Seminar; Dissertation-1 / Industrial Project; Dissertation-2
- 7.8 The courses offered would have a **Lecture - Tutorial - Practical (L-T-P)** component to indicate contact hours. Separate laboratory (practical) course may exist (0-0-P) in certain cases as decided.
- 7.9 The academic programmes of the Institute follow the credit system.
- 7.10 Each course shall have credits(C), which reflects its weightage. The number of credits of a course in a semester shall ordinarily be calculated as under:

Number of credits of a course, $C = L + (T + P) / 2$

 - where **L, T, P** represent the No. of Lecture, Tutorial and Practical hours / week
 - The fraction to be rounded off to next integer value
- 7.11 **Course Code:** Each course offered in the Postgraduate (M.Tech.) curriculum at this institute shall be listed by using a total of 8 digits, as follows:

Ex: P20SC101

 - a) The first letter, to represent the Post Graduate Programme
Ex. P for Postgraduate Course
 - b) The next two numerals, to represent the year in which the syllabus is proposed /

- (f) **Video Pitch:** Each student should create a pitch video, which is a video presentation on his / her mini project. Video pitch should be no longer than 5 minutes by keeping the pitch concise and to the point, which shall also include key points about his / her business idea / plan (*if any*) and social impact
- (v) The student has to register for the Mini project as supplementary examination in the following cases:
- he/she is absent for oral presentation and viva-voce
 - he/she fails to submit the report in prescribed format
 - he/she fails to fulfill the requirements of Mini project evaluation as per specified guidelines
- (vi) (a) The CoE shall send a list of students registered for supplementary to the HoD concerned
- (b) The PGMPEC, duly constituted by the HoD, shall conduct Mini project evaluation and send the award list to the CoE within the stipulated time

10.9 Evaluation for Dissertation / Industrial Project:

Dissertation work shall be normally conducted in two stages: Dissertation *Phase-I* in third semester and Dissertation *Phase-II* in fourth semester.

Dissertation Phase-I:

- The Department Post Graduate Review Committee (DPGRC) shall be constituted with HoD as a Chairman, M.Tech. Coordinator as a Convener and three to five other faculty members representing various specializations in that particular programme as members.
- Student shall take up independent Dissertation Phase-I on innovative ideas, innovative solutions to common problems using their knowledge relevant to courses offered in their programme of study, which would supplement and complement the program assigned to each student
 - (or)
 - Student shall take up industrial project (in any industry) relevant to the courses offered in their programme of study, which would supplement and complement the program assigned to each student
- DPGRC shall allot a faculty supervisor to each student for guiding on
 - selection of topic
 - literature survey and 50% work to be carried out during phase-I
 - preparing a report in proper format and
 - effective Dissertation Phase-I oral presentation before the DPGRC
 - right conduct of research and academic activity to promote academic integrity
 - use of anti-plagiarism software to detect plagiarism in the report and submission of Mini project report within acceptable plagiarism levels
- In case of students with industrial projects, internal guide shall be there to track the progress from time to time
- There shall be only Continuous Internal Evaluation (CIE) for Dissertation Phase-I
- CIE for the Dissertation Phase-I in third semester is as follows:

Assessment	Weightage
Dissertation Phase-I Supervisor Assessment	50%
DPGRC Assessment:	
(i) Registration Presentation (10%)	
(ii) Progress Report on Phase-I (10%)	
(iii) Video pitch on Phase-I (10%)	
(iv) Progress Presentation -I and viva voce (20%)	50%
Total Weightage:	100%

Note: It is mandatory for the student to

- (e) **Video Pitch:** Each student should create a pitch video, which is a video presentation on his / her dissertation Phase-I & II. Video pitch should be no longer than 5 minutes by keeping the pitch concise and to the point, which shall also include key points about his / her business idea / plan (if any) and social impact
- (iv) **Dissertation Synopsis Presentation (DSP):**

- (a) Students, with the consent of supervisor, shall apply to the DPGRC for conduct of dissertation synopsis presentation (DSP). This shall normally happen when the supervisor feels that the student has done significant work to qualify for M.Tech. dissertation.
- (b) Those students who clear DSP shall only be allowed to submit the dissertation report for end semester examination

(v) **Dissertation Report:**

After clearing DSP, student shall be required to submit two bound copies of dissertation report, one for the department and other for the Dissertation Supervisor. The Dissertation report shall be evaluated by the DPGRC and external examination shall be conducted on a pre-notified date.

10.10 **Evaluation for Internship:**

- (i) The students shall undergo 6-8 weeks internship during summer/winter vacation at industry/R&D organization / Academic Institutes like IITs & NITs.
- (ii) The students preferably shall undergo internship at one organization only. In case of any difficulty, the stipulated period of internship shall be completed at different organizations with minimum of one week internship at every stage.
- (iii) The internship evaluation shall be done in the II semester of study and hence the students shall complete the prescribed period of internship before start of IV semester (from end of II semester to commencement of IV semester).
- (iv) The internship evaluation shall be done by *Department Post Graduate Evaluation Committee (DPGRC)* based on the submitted report by student and oral presentation.

10.11 **Evaluation of MOOCs:**

- a) **SWAYAM-MOOCs:** Massive Open Online Courses (MOOCs) are such online courses which are developed as per the pedagogy and made available on the SWAYAM (Study Web of Active-learning by Young and Aspiring Minds) platform of *Government of India*
- b) **SWAYAM** shall notify to all Institutions, on 1st June, 1st November every year, the list of online learning courses going to be offered in the forth coming semester.
- c) The student shall be allowed to register for MOOCs courses for the designated Professional electives and Open electives mentioned in the curriculum.
- d) The student shall select a relevant MOOCs course carrying 3 credits.
- e) The Institutional MOOCs coordinator with the help of departmental MOOCs coordinator shall guide the students throughout the course.

10.11.1 **Evaluation and Certification of MOOCs:**

- a) The Principal Investigator (PI) shall be a subject matter expert (SME) belonging to a reputed educational institution, called Host Institution
- b) The host Institution and PI shall be responsible for evaluating the registered students for MOOCs course
- c) After conduct of examination and completion of the evaluation, the PI through host institution shall award Marks/Grade as per the evaluation scheme announced.

10.11.2 **Credit Mobility of MOOCs:**

- a) Institution shall allow the credit mobility for the courses earned through MOOCs.
- b) A certificate regarding successful completion of the MOOCs courses shall be issued through host Institution and sent to the parent institution.
- c) The parent institution shall give equivalent credit weightage to the students for the credits earned through online learning courses through SWAYAM platform in the credit plan of the programme.

- 12.6 In addition, there shall be a transitional **M-Grade**. M-Grade for "Debarred" due to indiscipline / malpractice during examination.
- 12.7 A Semester Grade Point Average (SGPA) will be computed for each semester. The SGPA will be calculated as follows:

$$SGPA = \frac{\sum_{i=1}^n C_i G_i}{\sum_{i=1}^n C_i}$$

where 'n' is the no. of courses (subjects) offered (excluding mandatory non-credit courses) for the semester 'C_i' is the credits allotted to a particular course, 'G_i' is the grade-points carried by the letter corresponding to the grade awarded to the student for the course as illustrated in 12.4.

- 12.8 The SGPA would indicate the performance of the student in the semester to which it refers. SGPA will be rounded off to the second place of decimal and recorded as such.
- 12.9 Starting from the second semester, at the end of each semester, a Cumulative Grade Point Average (CGPA) will be computed for every student as follows:

$$CGPA = \frac{\sum_{i=1}^m C_i G_i}{\sum_{i=1}^m C_i}$$

where 'm' is the total number of courses (subjects) the student has been offered from the first semester onwards upto and including the present semester, 'C_i' and 'G_i' are as explained in 12.7.

- 12.10 The CGPA would indicate the cumulative performance of the student from the first semester up to the end of the semester to which it refers. CGPA will be rounded off to the second place of decimal and recorded as such.
- 12.11 SGPA and CGPA are calculated in consideration of only credits cleared, i.e. F-Grade credits are not included for calculation.

13. SUPPLEMENTARY EXAMINATIONS

- 13.1 A student who obtained the F-Grade in a course (theory or practical) can appear in a subsequent End Semester Examination (ESE) in the same course as supplementary candidate.
- 13.2 However the marks secured in Continuous Internal Evaluation (CIE) by the student in that course during the semester study shall remain unaltered.
- 13.3 The students those who have passed in the supplementary examination will be awarded grade with '**' marked on the courses passed in the supplementary.
- 13.4 **Makeup Examination for IV semester courses:**
Makeup Examination for the students having backlog courses at IV semester of 2nd year M.Tech. programme shall be conducted immediately after the release of IV semester regular examinations result.

14. REVALUATION

- Revaluation is allowed for only theory courses.
- If the award of the revaluator varies from the original award by less than 20% of maximum marks prescribed for the course, best of the two awards thus available shall be taken as final.
- If the award of the revaluator varies from the original award by more than 20% of the maximum marks prescribed for the course, the answer script will be examined by the second revaluator. If the award of the both revaluators is more than 20% of the maximum marks, then average of the two awards thus available shall be taken as final. Otherwise, best of the original award and the second revaluator award shall be taken as final.

15. CONDITIONS FOR PROMOTION

- 15.1 A student shall have to satisfy the attendance requirements for the semester (as per the Regulation No. 8) for promotion to the next higher semester.

- 18.2 Mobile phones are strictly prohibited in the examination hall.
- 18.3 Exchange of question paper and material like pen, pencil, sharpener, eraser, scale, calculator, etc., during examination is strictly prohibited.
- 18.4 Malpractice in examination is viewed very seriously. Malpractice includes oral communication between candidates, possessing forbidden material, mobile phones (switched off/on) etc.
- 18.5 Any malpractice or engaging in any improper conduct and violation of the examination code by the student during examinations is liable for the punishment as given below:

S. No	Nature of Malpractice	S. No	Punishment
1.	Taking help from others, consulting and or helping other examinees during the examination period inside the examination hall or outside it, with or without their consent or helping other candidates to receive help from anyone else	a)	Cancelling the examination of the paper in which he / she indulged in malpractices
2	If the examinee attempts to disclose his / her identity to the valuer by writing his / her Hall-Ticket Number at a place other than the place prescribed for it or any coded message including his / her name or addressing the valuer in any manner in the answer book		Cancelling the examination of the paper in which he / she indulged in malpractices
3.	Candidate is found in possession of forbidden material; relevant or not relevant <u>but not used</u>	b)	Cancellation of the result of (i) all examinations taken including current examination in that session (or) (ii) current examination and proposed examinations to be taken during that session (or) (iii) current examination
4.	Destroying the material found in his / her possession or acting in any other manner with a view to destroying evidence	c)	Cancellation of the result of all examinations taken or proposed to be taken during that session and prohibiting his/her admission to or continuation in any course of the Institute for a period of one year. The student will be eligible to appear for the next corresponding semester / year examination in the succeeding academic year
5.	Smuggling main answer book / additional answer book / question paper / matter in to or out of the examination hall & Conspiring to interchange Hall Ticket Numbers		-do-
6.	Candidate is found in possession of forbidden material, relevant or not relevant <u>but used</u>		-do-



DEPARTMENT OF CIVIL ENGINEERING
KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL - 15
(An Autonomous Institute under Kakatiya University, Warangal)
SCHEME OF INSTRUCTION & EVALUATION FOR TWO YEAR POST GRADUATE PROGRAMME
M.TECH. (STRUCTURAL AND CONSTRUCTION ENGINEERING)
SEMESTER-I

PRR-20

Sr. No.	Course Type	Course Code	Course Name	Teaching scheme			Credits	Evaluation Scheme									
				L	T	P		CIE -TA									
								PRE			Minor	MSE	Total	ESE	Total Marks		
								ATLP	CRP	CP PPT							
1	PC	P20SC101	Limit Analysis of Reinforced Concrete Structures	3	-	-	3	8	8	8	6	10	20	60	40	100	
2	PC	P20SC102	Construction Management	3	-	-	3	8	8	8	6	10	20	60	40	100	
3	PE	P20SC103	Professional Elective-I/ MOOC-I	3	-	-	3	8	8	8	6	10	20	60	40	100	
4	PE	P20SC104	Professional Elective-II/ MOOC-II	3	-	-	3	8	8	8	6	10	20	60	40	100	
5	PC	P20SC105	Structural Engineering Laboratory	-	-	4	2	-	-	-	-	-	-	60	40	100	
6	PC	P20SC106	Construction Planning and Scheduling Laboratory	-	-	4	2	-	-	-	-	-	-	60	40	100	
7	MC	P20MC107	Research Methodology & IPR	2	-	-	2	8	8	8	6	10	20	60	40	100	
8	AC	P20AC108	Audit Course-I	2	-	-	1	8	8	8	6	10	20	60	40	100	
Total:				16	-	8	19								480	320	800

[L = Lecture, T = Tutorials, P = Practicals, C = Credits, ATLP = Assignments, CRP = Course Research Paper, CP = Course Patent, PPT = Course Presentation, Minor = Minor Examination, MSE = Mid Semester Examination and ESE = End Semester Examination] Total Contact Periods/Week: 24 Total Credits: 19

Elective-1

P20SC103A: Matrix Analysis of Structures
P20SC103B: Design of Concrete Bridges
P20SC103C: Precast Concrete Technology
P20SC103D: MOOCs

(Signature)
Dr. M. Veera Reddy
Chairperson, BoS

(Signature)
Dr. S. Sunil Prathap Reddy
BoS Member (Co-Opted Member)

Elective-2

P20SC104A: Behaviour of Concrete
P20SC104B: Construction Project Administration
P20SC104C: Building Services
P20SC104D: MOOCs

(Signature)
Dr. L. Sudheer Reddy
BoS Member

(Signature)
Dr. M. Andar
BoS Member

(Signature)
Dr. D. Hari Krishna
BoS Member (Co-Opted Member)

Audit Course-1

P20AC108A: English for Research Paper Writing
P20AC108B: Sanskrit for Technical Knowledge
P20AC108C: Constitution of India
P20AC108D: Pedagogy Studies

(Signature)
Dr. M. Srikanth
BoS Member

(Signature)
Dr. D. Abhigna
BoS Member (Co-Opted Member)

Note: All the External BoS members sent their approval through Email



DEPARTMENT OF CIVIL ENGINEERING
KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL - 15
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PRR-20

SCHEME OF INSTRUCTION & EVALUATION FOR TWO YEAR POSTGRADUATE PROGRAMME

M.TECH. (STRUCTURAL AND CONSTRUCTION ENGINEERING)

SEMESTER-II

Sr. No.	Course Type	Course Code	Course Name	Teaching scheme			Credits	Evaluation Scheme								Total Marks		
				L	T	P		CIE - TA										
								I2RE				Minor	MSE	Total	ESE			
								ATLP	CRP	CP	PPT							
1	PC	P20SC201	Dynamics of Structures	3	-	-	3	8	8	8	6	10	20	60	40	100		
2	PC	P20SC202	Construction Techniques & Equipment	3	-	-	3	8	8	8	6	10	20	60	40	100		
3	PE	P20SC203	Professional Elective-III/ MOOC-III	3	-	-	3	8	8	8	6	10	20	60	40	100		
4	PE	P20SC204	Professional Elective-IV/ MOOC-IV	3	-	-	3	8	8	8	6	10	20	60	40	100		
5	PC	P20SC205	Structural Engineering Software Applications Laboratory	-	-	4	2	-	-	-	-	-	-	60	40	100		
6	PC	P20SC206	Infrastructure Design and Drawing laboratory	-	-	4	2	-	-	-	-	-	-	60	40	100		
7	PROJ	P20SC207	Mini Project with Seminar	-	-	4	2	-	-	-	-	-	-	100	-	100		
8	AC	P20AC208	Audit Course-II	2	-	-	1	8	8	8	6	10	20	60	40	100		
Total:				14	-	12	19									520	280	800

[L = Lecture, T = Tutorials, P = Practicals, C = Credits, ATLP = Assignments, CRP = Course Research Paper, CP = Course Patent, PPT = Course Presentation, Minor=Minor Examination, MSE=Mid Semester Examination and ESE=End Semester Examination] Total Contact Periods/Week: 26 Total Credits: 19

Elective- 3

P20SC203A: Earthquake Resistant Design of RCC Structures	P20SC204A: Quality and Safety Management	P20AC208A: Stress Management by Yoga
P20SC203B: Design of Special Structures	P20SC204B: Sustainable Construction Engineering	P20AC208B: Value Education
P20SC203C: Repair, Rehabilitation and Retrofitting of structures	P20SC204C: Urban Infrastructure Planning and Management	P20AC208C: Personality Development through Life Enlightenment Skills
P20SC203D: MOOCs	P20SC204D: MOOCs	P20AC208D: Disaster Management

Elective- 4

Audit Course - 2

Dr. M. Veera Reddy
Chairperson, BoS

Dr. S. Sunil Prathap Reddy
BoS Member (Co-Opted Member)

Dr. L. Sudheer Reddy
BoS Member

Dr. D. Hari Krishna
BoS Member (Co-Opted Member)

Dr. M. Srikanth
BoS Member

Dr. P. Abhinava
BoS Member (Co-Opted Member)

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PRR-20

SCHEME OF INSTRUCTION & EVALUATION FOR TWO YEAR POSTGRADUATE PROGRAMME
M.TECH. (STRUCTURAL AND CONSTRUCTION ENGINEERING)
SEMESTER-III

Sr. No.	Course Type	Course Code	Course Name	Teaching scheme			Credits	Evaluation Scheme								Total Marks			
				L	T	P		CIE - TA						ESE					
								I ² RE			Minor	MSE	Total						
								ATLP	CRP	CP					PPT				
1	PE	P20SC301	Professional Elective-V/ MOOC-V			3	-	-	-	3	8	8	8	6	10	20	60	40	100
2	OE	P20OE302	Open Elective-I/ MOOC-VI			3	-	-	-	3	8	8	8	6	10	20	60	40	100
3	PROJ	P20SC303	Dissertation Phase – I/Industrial Project (to be continued in IV – Semester also as Dissertation Phase – II)			-	-	18	9	-	-	-	-	-	-	-	100	-	100
4	PROJ	P20SC304	Internship Evaluation			-	-	2	-	-	-	-	-	-	-	-	100	-	100
Total:				6	-	20	15									320	80	400	

IL= Lecture, T = Tutorials, P = Practicals, C = Credits, ATLP = Assignments, CRP = Course Research Paper, CP = Course Patent, PPT = Course Presentation, Minor=Minor Examination, MSE=Mid Semester Examination and ESE=End Semester Examination] Total Contact Periods/Week: 26 Total Credits: 15

Elective- 5

P20SC301A: AI & ML applications in Construction Engineering
P20SC301B: Theory of Elasticity
P20SC301C: Finite Element Method
P20DS301D:MOOCs

Open Elective

P20OE302A: Business Analytics
P20OE302B: Industrial Safety
P20OE302C: Operations Research
P20OE302D: Cost Management of Engineering Projects
P20OE302E: Composite Materials
P20OE302F: Waste to Energy
P20OE302G: Renewable Energy Sources
P20OE302H: MOOCs

[Signature]
Dr. M. Veera Reddy
Chairperson, BoS
Dr. S. Sunil Prathap Reddy
BoS Member (Co-Opted Member)

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Dr. L. Sudheer Reddy
BoS Member
Dr. D. Hari Krishna
BoS Member (Co-Opted Member)

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Dr. M. Srikanth
BoS Member
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BoS Member (Co-Opted Member)

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KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL - 15
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PRR-20

SCHEME OF INSTRUCTION & EVALUATION FOR TWO YEAR POSTGRADUATE PROGRAMME
M.TECH. (STRUCTURAL AND CONSTRUCTION ENGINEERING)

SEMESTER-IV

Sr. No.	Course Type	Course Code	Course Name	Teaching scheme			Credits	Evaluation Scheme								Total Marks	
				L	T	P		CIE - TA					ESE	Total			
								I ² RE			Minor	MSE			Total		
								ATLP	CRP	CP							PPT
1	PROJ	P20SC401	Dissertation Phase - II	-	-	30	15	-	-	-	-	60	40	100			
Total:				-	-	30	15	60						100			

[L= Lecture, T = Tutorials, P = Practicals, C = Credits, ATLTP = Assignments, CRP = Course Research Paper, CP = Course Patent, PPT = Course Presentation, Minor=Minor Examination, MSE=Mid Semester Examination and ESE=End Semester Examination] Total Contact Periods/Week: 30 Total Credits: 15

[Signature]
Dr. M. Veera Reddy
 Chairperson, BoS

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Dr. S. Sunil Prathap Reddy
 BoS Member (Co-Opted Member)

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Dr. L. Sudheer Reddy
 BoS Member

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Dr. M. Andar
 BoS Member

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Dr. D. Hari Krishna
 BoS Member (Co-Opted Member)

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Dr. M. Srikanth
 BoS Member

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 BoS Member (Co-Opted Member)

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