

6 MINUTES OF MEETING OF EXAM BRANCH

TKREC-R9 / EB / 2019-20 / 004

Date: 23/04/2020

All the branch co-ordinators of various department CE, EEE, ECE, CSE, IT & MBA are to attend meeting under chairmanship principal to discuss agenda.

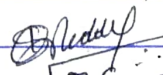
AGENDA:

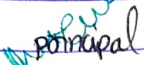
- 1) M.Tech Ist MID term marks uploading
- 2) upcoming IInd MID term schedule as per A.Y 14th - 16th May 2020
- 3) M.Tech practical exams
- 4) Submission of MID term & practical exam marks to the university
- 5) B.Tech IInd MID term schedule as per AY 8th to 11th April - 2020 A.Y IInd IIIrd IVth Year
- 6) B.Tech practical exams 13th to 14th April 2020 A.Y
- 7) B.Tech end exams 2nd May 2020 as per A.Y & RCRV notification released
- 8) declaration holidays to the constituent affiliated colleges to prevent the spread of Covid-19 pandemic in state of telangana.

RESOLUTION:

RESOLUTION:




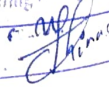
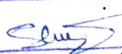



- 1) uploading of M.Tech MID-1 completed & submitted.
- 2) intimation given to concern department I.C & HOD's regarding MID-II Exams.
- 3) M.Tech practical lab Externals are conducted as per the A.Y.C
- 4) Hard copies of MID Exams & practical marks of PG course submitted to JNTUH inward section.
- 5) B.Tech MID-II examination schedule intimable to I.C's & collected the MID-II QP's from various departments.
- 6) B.Tech practical examination tieup with clusters given by JNTUH university & conducted exams & RC/RV Results declared by university
- * B.Tech end exams intimable to report. Coordinator notification forwarded in subject as per the GOvt. of TS / JNTUH university declared the holidays due to Covid-19


Member Secretary


Principal

PRINCIPAL

Teegala Krishna Reddy Engineering College

CE -  ECE -  IT -  M.Tech - 
EEE -  CSE -  MBA -  H&S - 

MINUTES OF MEETING OF EXAM BRANCH

TKREGRA/EB/2019-20/005

Date: 27/05/2020

All the branch co-ordinators of various department CE, EEE, ECE, CSE, IT & MBA are attended meeting under chairmanship principal at 3:20pm to discuss agenda.

AGENDA:

- 1) BTech 4-2 project panel uploading
- 2) New guidelines to conduct online evolution of BTech 4-2 project viva voice exam.
3. JNTUH End exams BTech 4-2 Regular/Supply & MBA, MCA Reg/Supply exam timetables and Registrations
- 4) Attendance uploading details for monthly online process
- 5) RC/RV notification for evolved for 3-2, 2-2

RESOLUTION:-

1. Uploading project panel and verified by exam branch Incharge
2. The guideline of JNTUH university conduction of online classes and project viva voice in online process in or
- 3 IV-II end Regular/Supply end Registrations verifying the exam. no due forms and verified with Branch wise examination. registrations and generated list of not registered students. JNTUH Time tables forwarded to Department HOD's & Exam co-ordinators. and also displayed on notice board.
- 4) B-Tech spell wise Attendance uploaded in JNTUH portal & uploaded copies submitted for verification to concerned department & file in the copies.
- 5) RC/RV Results declared by the the university.

[Signature]

Member Secretary

[Signature]
Principal

CE - *[Signature]*

ECE - *[Signature]*

IT - *[Signature]*

M.Tech - *[Signature]*

EEE - *[Signature]*

CSE - *[Signature]*

MBA - *[Signature]*

HRS - *[Signature]*

MINUTES OF MEETING OF EXAM BRANCH

TKREC-R9/EB/2020-21/007

Date: 26/08/2020

All the branch co-ordinators of all the departments are to attend meeting under chairmanship room at 3:30pm to discuss

AGENDA:-

1. B.Tech. 4-2 examination center change options
2. Conduct of B.Tech. 4-2 examinations
3. No credit based detention for B.Tech
4. B.Tech. 4-2 examination Time Table.

RESOLUTION:

1. The exams center change to home town of students A and the cluster options of exam center
2. 4-2 Semester examinations collecting bundles and arrangements of seating according to the strength
3. B.Tech Time Table dates are been checked and been forwarded to the students.

Reddy
member secretary

Praveen
principal

PRINCIPAL

Teegala Krishna Reddy Engineering College
Medbawli, Medapet, Hyderabad-97.
College Code: *TKREC*

CE - *[Signature]*

CSE - *[Signature]*

M.Tech - *[Signature]*

12/10

EEE - *[Signature]*

IT - *[Signature]*

12/10

EEE - *[Signature]*

MBA - *[Signature]*

M.Tech - *[Signature]*

MINUTES OF MEETING OF EXAM BRANCH

TKREC-R9/EB/2020-21/009

Date: 26/11/2020

All the branch coordinators of various dept are to attend meeting under chairmanship of principal room at 3:30 pm to discuss following agenda

- 1) Conducting of mid exams. & lab external for BTech & MTech
2. CBT Notification for 4-2 BTech.
3. Time Tables for BTech. I, II, III years II Sem Reg/Supply
4. Approval of Grade Marks for BTech R16 Reg
5. Notification for BTech. R16 4-2 (Advance Supply)
6. Uploading of project panel. external examination panel for BTech (IV-II) Advance Supply.
7. RCRV Notification released

RESOLUTIONS

1. Mid exams preparing seating plan and Marks sheets for the students
2. Verifying the students who has not written mid exams
3. Checking the eligibility of marks.
4. Conducting of 4-2 BTech Regular examinations according to exam strength
5. Project panel uploaded and verified by the external examiners
6. Students applied RCRV and results are declared for the AY-2020-21 only few students grade status changed.

[Signature]
Member Secretary

[Signature]
Principal

CE - *[Signature]*

CSE - *[Signature]*

MECHS - *[Signature]*

EEG - *[Signature]*

IT - *[Signature]*

ECE - *[Signature]*

MBA - *[Signature]*

MES - *[Signature]*

Date: 28/10/2021

TKREC/R9/EB/2021/015

: 37

All the branch co-ordinators of all various dept are to attend meeting under chairmanship to principal room at 3:30pm to discuss the following agenda

AGENDA

1. Viva Voice exam panel of examiner for M.Tech.
2. Uploading of Attendance for B.Tech spells
3. Conduct of Lab externals and Mid examinations
4. Project thesis for MBA Uploading
5. CBT for B.Tech 4-2
6. Conducting Mid exams & lab externals for B.Tech / M.Tech
7. B.Tech I, II, III year II Sem Reg/Supply
8. RCRV Notification for B.Tech I-II & II-II

RESOLUTION:-

1. Uploading of Viva Voice for M.Tech examination panel
2. Verifying the section update and uploading of attendance for B.Tech spells.
3. Notification of CBT of IV B.Tech II Sem.
4. B.Tech / M.Tech conducting of MID and Lab externals
5. Conducting of B.Tech all year semester examination with seating arrangements with allocated rooms
6. Students applied for I-II & II-II RCRV and results are declared and grade changed for few students

Bleddy
Member Secretary

W. N. S.
Principal

CE - *D. S.*CSE - *to*M.Tech - *ms chime*EEE - *W. N. S.*IT - *W. N. S.*ECE - *W. N. S.*MBA - *W. N. S.*H.S - *PRM*

22. TKREC/R9/EB/2022/020

Date: 25/08/2022

All the branch co-ordinators of various dept. are attended meeting under chairmanship of principal room at 3:30pm to discuss following agenda

1. B Tech III-II MID-II exam Time Table
2. Notification for B Tech 4-1, 4-2 and 2-1, 2-2 Supply
3. Instruction to the faculty members for doing on screen valuation. with Biometric. auth
4. Time Tables for 3-2 Reg/Supply 3-1 Supply
- 5) II-MID. Notification II-II & 1-II 1st MID
6. II Sem. Exam Notification for M.Tech Reg/Supply & IV Sem MCA Reg IV Sem Supply
- 7 RCRV Notification for B Tech 4-1, 4-2.

RESOLUTION.

1. As per JNTUH guidelines B Tech Mid exams were conducting through the Time Table given
2. To the faculty members instructions were given regarding the screen valuation
3. 3-1, 3-2 Time tables.
4. Students applied for RCRV. B Tech. 4-1, 4-2 and the results declared and results have changed for few students

[Signature]

Member Secretary

[Signature]
Principal

PRINCIPAL

Teegala Krishna Reddy Engineering College
Medhavi, Mosmet, Hyderabad-97.

(College Code- R9.

CE - *[Signature]*

CSE - *[Signature]*

H&S - *[Signature]*

EEE - *[Signature]*

IT - *[Signature]*

AIML - *[Signature]*

ECE - *[Signature]*

MBA - *[Signature]*

CSG - *[Signature]*

M.Tech - *[Signature]*

MINUTES OF MEETING OF EXAM BRANCH

TKREC/R9/EB/028

Date: 23/06/2023

All the branch coordinators of various depts are to attend meeting under chairmanship of principal room at 3:45pm to discuss the following

Agenda:-

1. Timetable for CBT B.Tech II-I Univ. exams.
2. Uploading of project Viva-voce external examination panel of examiners for B.Tech 4-1 & 4-2 Regl Supply.
3. Time tables for B.Tech - IV - 2nd Sem - 2nd mid exams.
4. Time tables for B.Tech - 1st yr - 2nd Sem - 1st mid term exams.
5. RCRV notification released Circulated in students group

Resolution:-

1. List of examiners for project viva-voce has uploaded.
2. Time tables for mid exams and CBT exams has recorded.
- 3, 4 T/T for B.Tech IV/IInd Sem & Ist year supply fixed in student groups.
4. Few Students are applied for RCRV and results declared.

(Signature)
Member Secretary

(Signature)
Principal

Tatagala Krishna Reddy Engineering College
Mediboini, Uthupet, Hyderabad-57.
College Code: R9

CE - *(Signature)*

CSE - *(Signature)*

HES *(Signature)*

EEE - *(Signature)*

IT - *(Signature)*

M.Tech - *(Signature)*

ECE - *(Signature)*

MBA *(Signature)*

AIML *(Signature)*

CSG - *(Signature)*



TEEGALA KRISHNA REDDY ENGINEERING COLLEGE

(UGC-Autonomous)

Approved by AICTE, Affiliated by JNTUH, Accredited by NAAC- 'A' Grade

Medbowli, Meerpet, Balapur, Hyderabad, Telangana- 500097

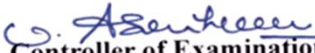
Mob: 9393959597. Email: info@tkrec.ac.in, deanacademics@tkrec.ac.in




LIST OF STUDENTS WHO HAVE APPLIED FOR RV/RC IN 2022-23

S No.	HALL TICKET NO	SUBJECT CODE	SUBJECT NAME	GRADE_STATUS
1	136F1A0538	111AL	MATHEMATICAL METHODS	Grade No Change
2	14R91A0265	111AF	COMPUTER PROGRAMMING	Grade No Change
3	18R91A0245	152AA	MATHEMATICS - II	Grade No Change
4	18R91A0245	152AF	PROGRAMMING FOR PROBLEM SOLVING	Grade No Change
5	18R91A05F3	152AA	MATHEMATICS - II	Grade No Change
6	18R91A05L4	152AE	APPLIED PHYSICS	Grade No Change
7	17R91A0160	131AD	COMPUTER PROGRAMMING IN C	Grade No Change
8	18R91A0409	151AA	MATHEMATICS - I	Grade No Change
9	19R91A0108	151AD	ENGINEERING GRAPHICS	Grade Change
10	18R91A05J5	154BE	JAVA PROGRAMMING	Grade Change
11	17R91A0125	134CE	STRUCTURAL ANALYSIS	Grade No Change
12	18R91A0455	153AT	ELECTRONIC DEVICES AND CIRCUITS	Grade No Change
13	18R95A0146	134CE	STRUCTURAL ANALYSIS	Grade No Change
14	18R91A05L6	156DR	FUNDAMENTALS OF INTERNET OF THINGS	Grade No Change
15	19R91A0215	156BU	MICROPROCESSORS & MICROCONTROLLERS	Grade No Change
16	18R91A05L6	155AN	COMPUTER NETWORKS	Grade No Change
17	18R91A05L6	155DB	SOFTWARE ENGINEERING	Grade No Change
18	19R91A0215	155CB	MEASUREMENTS AND INSTRUMENTATION	Grade No Change
19	20R95A0104	155BN	GEOTECHNICAL ENGINEERING	Grade No Change
20	17R91A0157	156CY	STRUCTURAL ENGINEERING - II (STEEL)	Grade Change
21	17R91A0245	156BU	MICROPROCESSORS & MICROCONTROLLERS	Grade No Change
22	17R91A0245	156CJ	POWER SEMICONDUCTOR DRIVES	Grade No Change
23	18R91A0139	156CY	STRUCTURAL ENGINEERING - II (STEEL)	Grade Change
24	18R91A0231	156DX	NON-CONVENTIONAL ENERGY SOURCES	Grade No Change
25	18R91A0416	156AR	DIGITAL SIGNAL PROCESSING	Grade No Change
26	18R91A1251	156AD	ALGORITHM DESIGN AND ANALYSIS	Grade No Change
27	195T1A0513	156BN	MACHINE LEARNING	Grade Change
28	19R91A0122	156DQ	ENTREPRENEURSHIP	Grade No Change
29	19R91A0204	156CV	SIGNALS AND SYSTEMS	Grade No Change
30	19R91A04C9	156CC	OBJECT ORIENTED PROGRAMMING THROUGH JAVA	Grade No Change
31	19R91A0538	156DR	FUNDAMENTALS OF INTERNET OF THINGS	Grade Change
32	19R91A0548	156AN	DESIGN AND ANALYSIS OF ALGORITHMS	Grade No Change
33	19R91A1235	156BK	INTRODUCTION TO EMBEDDED SYSTEMS	Grade No Change
34	19R95A0212	156CV	SIGNALS AND SYSTEMS	Grade No Change
35	19R91A0542	157AW	CLOUD COMPUTING	Grade No Change
36	19R91A05A1	157BB	CRYPTOGRAPHY & NETWORK SECURITY	Grade Change
37	19R91A05A1	157BC	DATA MINING	Grade Change
38	19R91A05B9	157BB	CRYPTOGRAPHY & NETWORK SECURITY	Grade No Change
39	19R91A05C3	157BC	DATA MINING	Grade Change
40	19R91A05C5	157BB	CRYPTOGRAPHY & NETWORK SECURITY	Grade No Change
41	19R91A05G7	157BC	DATA MINING	Grade No Change
42	19R91A05J3	157AW	CLOUD COMPUTING	Grade No Change

43	20R95A0119	157BV	GROUND IMPROVEMENT TECHNIQUES	Grade No Change
44	20R95A0119	157DH	PROFESSIONAL PRACTICE LAW & ETHICS	Grade Change
45	18R91A0404	158CT	SYSTEM ON CHIP ARCHITECTURE	Grade Change
46	19R95A0402	158CT	SYSTEM ON CHIP ARCHITECTURE	Grade Change
47	19R95A0425	158CT	SYSTEM ON CHIP ARCHITECTURE	Grade Change
48	19R95A0429	158CT	SYSTEM ON CHIP ARCHITECTURE	Grade Change


Controller of Examinations
 Controller of Examinations
 Teegala Krishna Reddy Engineering College
 (UGC - AUTONOMOUS)
 Medbowil, Meerpet, Hyderabad- 500097, TS.


Principal
PRINCIPAL
 Teegala Krishna Reddy Engineering College
 (UGC - AUTONOMOUS)
 Medbowil, Meerpet, Hyderabad- 500097, TS.



TEEGALA KRISHNA REDDY ENGINEERING COLLEGE

(UGC-Autonomous)

Approved by AICTE, Affiliated by JNTUH, Accredited by NAAC- 'A' Grade

Medbowli, Meerpet, Balapur, Hyderabad, Telangana- 500097

Mob: 9393959597. Email: info@tkrec.ac.in, deanacademics@tkrec.ac.in



LIST OF STUDENTS WHO HAVE APPLIED FOR RV/RC IN 2021-22

S No.	HALL TICKET NO	SUBJECT CODE	SUBJECT NAME	GRADE_STATUS
1	17R91A05C5	155BV	INFORMATIONAL RETRIEVAL SYSTEMS	Grade No Change
2	18R91A04D4	155AR	CONTROL SYSTEMS	Grade Change
3	18R91A05A4	155AN	COMPUTER NETWORKS	Grade No Change
4	18R91A05A4	155BV	INFORMATIONAL RETRIEVAL SYSTEMS	Grade No Change
5	18R91A05A4	155DN	WEB TECHNOLOGIES	Grade No Change
6	19R91A0519	155AN	COMPUTER NETWORKS	Grade No Change
7	19R91A0591	155BK	FORMAL LANGUAGES & AUTOMATA THEORY	Grade No Change
8	19R91A1243	155AU	DATA COMMUNICATION & COMPUTER NETWORKS	Grade No Change
9	19R91A1243	155DM	WEB PROGRAMMING	Grade No Change
10	19R91A1244	155CX	PRINCIPLES OF PROGRAMMING LANGUAGES	Grade No Change
11	20R95A0228	155CU	POWER ELECTRONICS	Grade No Change
12	20R95A0408	155AV	DATA COMMUNICATIONS AND NETWORKS	Grade No Change
13	20R95A0503	155AY	DISTRIBUTED DATABASES	Grade No Change
14	20R95A0510	155DB	SOFTWARE ENGINEERING	Grade No Change
15	20R95A0510	155DN	WEB TECHNOLOGIES	Grade No Change
16	17R91A04D7	136AF	ANTENNAS AND WAVE PROPAGATION	Grade No Change
17	17R91A0410	137EK	MICROWAVE ENGINEERING	Grade No Change
18	17R91A0410	137JD	VLSI DESIGN	Grade No Change
19	17R91A0423	137BK	COMPUTER NETWORKS	Grade No Change
20	18R91A0126	157CH	IRRIGATION AND HYDRAULIC STRUCTURES	Grade Change
21	18R91A0416	157DH	PROFESSIONAL PRACTICE, LAW & ETHICS	Grade Change
22	18R91A0517	157AW	CLOUD COMPUTING	Grade No Change
23	18R91A0536	157EN	ELECTRONIC SENSORS	Grade No Change
24	18R91A05F3	157BB	CRYPTOGRAPHY & NETWORK SECURITY	Grade No Change
25	18R91A1238	157EX	PRINCIPLES OF ENTREPRENEURSHIP	Grade No Change
26	18R91A1246	157BC	DATA MINING	Grade No Change

M. L.
Controller of Examinations
Controller of Examinations
 Teegala Krishna Reddy Engineering College
 (UGC - AUTONOMOUS)
 Medbowli, Meerpet, Hyderabad- 500097, TS.



K. Ravi
PRINCIPAL
 Teegala Krishna Reddy Engineering College
 (UGC - AUTONOMOUS)
 Medbowli, Meerpet, Hyderabad - 97.



TEEGALA KRISHNA REDDY ENGINEERING COLLEGE

(UGC-Autonomous)

Approved by AICTE, Affiliated by JNTUH, Accredited by NAAC- 'A' Grade


Medbowli, Meerpet, Balapur, Hyderabad, Telangana- 500097

Mob: 9393959597. Email: info@tkrec.ac.in, deanacademics@tkrec.ac.in



LIST OF STUDENTS WHO HAVE APPLIED FOR RV/RC IN 2020-21

S No.	HALL TICKET NO	SUBJECT CODE	SUBJECT NAME	GRADE_STATUS
1	16R91A0517	131AA	MATHEMATICS - I	Grade No Change
2	17R91A04D7	131AA	MATHEMATICS - I	Grade No Change
3	19R91A0242	151AG	BASIC ELECTRICAL ENGINEERING	Grade No Change
4	19R91A0473	151AE	APPLIED PHYSICS	Grade No Change
5	19R91A0495	151AD	ENGINEERING GRAPHICS	Grade No Change
6	16R91A0110	132AJ	BASIC ELECTRICAL & ELECTRONICS ENGINEERING	Grade No Change
7	16R91A05J9	132AB	MATHEMATICS - II	Grade No Change
8	16R91A1236	132AB	MATHEMATICS - II	Grade No Change
9	17R91A0208	132AE	ENGINEERING GRAPHICS	Grade No Change
10	17R91A04D7	132AE	ENGINEERING GRAPHICS	Grade No Change
11	17R91A04G2	132AB	MATHEMATICS - II	Grade No Change
12	17R91A04G8	132AB	MATHEMATICS - II	Grade No Change
13	18R91A0590	152AA	MATHEMATICS - II	Grade No Change
14	18R91A05L1	152AG	ENGINEERING GRAPHICS	Grade No Change
15	19R91A0259	152AG	ENGINEERING GRAPHICS	Grade No Change
16	19R91A0417	152AA	MATHEMATICS - II	Grade No Change
17	19R91A04F3	152AA	MATHEMATICS - II	Grade No Change
18	19R91A04H4	152AC	BASIC ELECTRICAL ENGINEERING	Grade No Change
19	19R91A1241	152AA	MATHEMATICS - II	Grade No Change
20	14R91A0185	111AD	ENGINEERING PHYSICS	Grade Change


Controller of Examinations
Controller of Examinations
Teegala Krishna Reddy Engineering College
(UGC - AUTONOMOUS)
Medbowli, Meerpet, Hyderabad- 500097, TS.




PRINCIPAL
Teegala Krishna Reddy Engineering College
(UGC - AUTONOMOUS)
Medbowli, Meerpet, Hyderabad - 97.



TEEGALA KRISHNA REDDY ENGINEERING COLLEGE

(Approved by AICTE, New Delhi, Affiliated to JNTUH, Hyderabad)


(Sponsored by TKR Educational Society)

Medbowli, Meerpet, Saroor Nagar, Hyderabad – 500 097.



LIST OF STUDENTS WHO HAVE APPLIED FOR RV/RC IN 2019-20

S No.	HALL TICKET NO	SUBJECT CODE	SUBJECT NAME	GRADE_STATUS
1	17R91A04D7	132AE	ENGINEERING GRAPHICS	Grade No Change
2	19R91A0259	152AG	ENGINEERING GRAPHICS	Grade No Change
3	19R91A0417	152AA	MATHEMATICS - II	Grade No Change
4	17R91A0208	132AE	ENGINEERING GRAPHICS	Grade No Change
5	17R91A04D7	132AE	ENGINEERING GRAPHICS	Grade No Change
6	17R91A0201	133BD	MATHEMATICS - IV	Grade No Change
7	17R91A1233	133BD	MATHEMATICS - IV	Grade No Change
8	18R91A0129	153BN	PROBABILITY AND STATISTICS	Grade No Change
9	18R91A04G4	153BT	SIGNALS AND SYSTEMS	Grade No Change
10	18R91A04L6	153BH	NETWORK ANALYSIS AND TRANSMISSION LINES	Grade No Change
11	18R91A05L7	153AJ	COMPUTER ORIENTED STATISTICAL METHODS	Grade No Change
12	19R91A05G9	153AB	ANALOG AND DIGITAL ELECTRONICS	Grade No Change


Controller of Examinations
Controller of Examinations
Teegala Krishna Reddy Engineering College
(UGC - AUTONOMOUS)
Medbowli, Meerpet, Hyderabad- 500097, TS.




PRINCIPAL
Teegala Krishna Reddy Engineering College
(UGC - AUTONOMOUS)
Medbowli, Meerpet, Hyderabad - 97.



TEEGALA KRISHNA REDDY ENGINEERING COLLEGE

(Approved by AICTE, New Delhi, Affiliated to JNTUH, Hyderabad)

(Sponsored by TKR Educational Society)


Medbowli, Meerpet, Saroor Nagar, Hyderabad – 500 097.

LIST OF STUDENTS WHO HAVE APPLIED FOR RV/RC IN 2018-19

S No.	EXAM	Roll.No.	SUBJECT NAME	GRADE_STATUS
1	IV B.Tech II Sem R15	15R91A05C9	SEMANTIC WEB AND SOCIAL NETWORKS	Grade No Change
2	I B.Tech I Sem R13	14R91A0101	ENGINEERING PHYSICS	Grade No Change
3	I B.Tech I Sem R18	18R91A0556	ENGLISH	Grade Change
4	I B.Tech I Sem R18	18R91A0561	ENGLISH	Grade Change
5	I B.Tech II Sem R18	18R91A04G1	CHEMISTRY	Grade Change


Controller of Examinations
Controller of Examinations
Teegala Krishna Reddy Engineering College
(UGC - AUTONOMOUS)
Medbowli, Meerpet, Hyderabad- 500097, TS.




PRINCIPAL
Teegala Krishna Reddy Engineering College
(UGC- AUTONOMOUS)
Medbowli, Meerpet, Hyderabad - 97.