# GMR Institute of Technology
## An Autonomous Institute Affiliated to JNTU-GV | GMRIT Training Tomorrow's Engineers Today

**1.1.3(B) Minutes of the Boards of Studies/ Academic Council meetings with approval for the courses mentioned in 1.1.3 (A)**

**Department of Electrical and Electronics Engineering**

**INDEX**

| S.No. | Description of the Document | Page No |
|-------|----------------------------|---------|
| 1 | AR21 Curriculum | 2 |
| 2 | AR23 Curriculum | 4 |
| 3 | 18th Academic Council Meeting Minutes | 5 |
| 4 | 20th Academic Council Meeting Minutes | 10 |

## Department of Electrical and Electronics Engineering

### Fifth Semester

| | | | | | | |
|---|---|---|---|---|---|---|
| 21IT306 | Fundamentals of Object Oriented Programming | 1,2,3,4,5,6,9,12 | 3 | - | 2 | 4 |
| 21EE502 | Control Systems | 1,2,3,4,5,6,9,12,PSO1,PSO2 | 3 | - | 2 | 4 |
| 21EE503 | Electrical Drives | 1,2,3,6,12,PSO1,PSO2 | 3 | - | - | 3 |
| 21EE504 | Power System Protection | 1,2,3,6,7,8,12,PSO1,PSO2 | 3 | - | - | 3 |
| | Elective I (Professional Elective ) | | 3 | - | - | 3 |
| | Elective II (Open Elective I) | | 3 | - | - | 3 |
| 21EE507 | Power Electronics and Drives Lab | 1,2,3,4,5,9,11,12,PSO1,PSO2 | - | - | 3 | 1.5 |
| 21TPX01 | Term Paper | 1,2,4,5,8,9,10,11,12,PSO2 | - | - | 3 | 1.5 |
| 21ESX02 | Employability Skills II | 1,2,3,4,5,9,10,11,12 | - | - | 2 | - |
| 21HSX12 | CC & EC Activities II | 9,10,12 | - | - | 1 | - |
| 21SIX01 | Summer Internship I | 1,2,3,6,7,8,9,10,11,12,PSO1,PSO2 | | | | 1 |
| | | **Total** | **18** | **-** | **13** | **24** |

### Sixth Semester

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 21HSX10 | Engineering Economics and Project Management | 1,2,3,4,5,6,7,8,9,10,11,12 | 3 | - | - | 3 |
| 2 | 21EE602 | Power System Analysis and Control | 1,2,3 ,6,7,8,12,PSO1,PSO2 | 3 | - | - | 3 |
| 3 | 21EE603 | Utilization of Electrical Energy | 1,2,3 ,6,7,12,PSO1,PSO2 | 3 | - | - | 3 |
| 4 | | Elective III (Professional Elective ) | | 3 | - | 2 | 4 |
| 5 | | Elective IV (Open Elective II) | | 3 | - | - | 3 |
| 6 | 21EE606 | Power Systems Lab | 1,2,3 ,4,5,9,11,12,PSO1,PSO2 | - | - | 3 | 1.5 |
| 7 | 21MPX01 | Mini Project | 1 to12,PSO1,PSO2 | - | - | 3 | 1.5 |
| 8 | 21ESX02 | Employability Skills II | 1,2,3 ,4,5,9,10,11,12 | - | - | 2 | 2 |
| 9 | 21HSX12 | CC & EC Activities II | 9,10,12 | - | - | 1 | 1 |
| 10 | 21ATX01 | Environmental Studies | 1,3,6,7 | - | - | - | - |
| 11 | 21ATX02 | Professional Ethics and Human Values | ----- | - | - | - | - |
| 12 | 21ATX--- | Audit Course | ----- | - | - | - | - |
| | | | **Total** | **15** | **-** | **11** | **22** |

### Seventh Semester

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | | Elective V (Professional Elective) | | 3 | - | - | 3 |
| 2 | | Elective VI (Professional Elective) | | 3 | - | - | 3 |
| 3 | | Elective VII (Open Elective III) | | 3 | - | - | 3 |
| 4 | 21SIX02 | Summer Internship II | 1 to 12,PSO1,PSO2 | - | - | - | 1 |
| 5 | 21PWX01 | Project | 1 to 12,PSO1,PSO2 | - | - | 16 | 8 |
| | | | **Total** | **9** | **-** | **16** | **18** |

### Eighth Semester

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | | Elective VIII (Professional Elective) | | - | - | - | 3 |
| 2 | | Elective IX (Open Elective IV) | | - | - | - | 3 |
| 3 | 21FIX01 | Full Semester Internship (FSI) | 1 to 12,PSO1,PSO2 | - | - | - | 8 |
| | | | **Total** | **-** | **-** | **-** | **14** |

**List of Electives**

**Language Electives**

| No. | Course Code | Course | POs | Contact Hours | | | |
|---|---|---|---|---|---|---|---|
| | | | | L | T | P | C |
| 1 | 21HSX03 | Advanced Communicative English | | 2 | - | - | 2 |
| 2 | 21HSX04 | Communicative German | | 2 | - | - | 2 |
| 3 | 21HSX05 | Communicative French | | 2 | - | - | 2 |
| 4 | 21HSX06 | Communicative Japanese | 6,9,10,11,12 | 2 | - | - | 2 |
| 5 | 21HSX07 | Communicative Spanish | | 2 | - | - | 2 |
| 6 | 21HSX08 | Communicative Korean | | 2 | - | - | 2 |
| 7 | 21HSX09 | Communicative Hindi | | 2 | - | - | 2 |

**Elective I**

**Career Path I, II, III and Other Core Electives**

| No. | Course Code | Course | POs | L | T | P | C |
|---|---|---|---|---|---|---|---|
| 1 | 21EEC11 | Electrical Vehicle Technologies | 2,3,4,7,12,PSO1,PSO2 | 3 | - | - | 3 |
| 2 | 21EEC21 | Green Energy Technologies | 1,2,3,6,7,12,PSO1,PSO2 | 3 | - | - | 3 |
| 3 | 21EEC31 | Micro and Smart Grid Technologies | 2,3,6,7,12,PSO1,PSO2 | 3 | - | - | 3 |
| 4 | 21EE004 | Electrical Machine Design | 1,2,3,8,12,PSO1,PSO2 | 3 | - | - | 3 |
| 5 | 21EE005 | High Voltage DC Transmission | 1,2,3,6,7,12,PSO1,PSO2 | 3 | - | - | 3 |
| 6 | 21EE006 | Special Electrical Machines | 1,2,3,7,12,PSO1,PSO2 | 3 | - | - | 3 |

**Elective III**

**Career Path I, II, III and Other Core Electives**

| No. | Course Code | Course | POs | L | T | P | C |
|---|---|---|---|---|---|---|---|
| 1 | 21EEC12 | Electric Vehicle Drive Train Systems | 1,2,3 ,4,5,6,7,9,12,PSO1,PSO2 | 3 | - | 2 | 4 |
| 2 | 21EEC22 | Power Electronic Applications to Green Energy Systems | 1,2,3 ,4,5,6,7,9,12,PSO1,PSO2 | 3 | - | 2 | 4 |
| 3 | 21EEC32 | Control and Instrumentation of Smart Grid Systems | 1,2,3 ,4,5,6,7,12,PSO1,PSO2 | 3 | - | 2 | 4 |
| 4 | 21EE007 | Advanced Control Systems | 1,2,3 ,4,5,6,12,PSO1,PSO2 | 3 | - | 2 | 4 |
| 5 | 21EE008 | Discrete Signal Processing | 1,2,3 ,4,5,6,12,PSO1,PSO2 | 3 | - | 2 | 4 |
| 6 | 21EE009 | Machine Modelling and Steady State Analysis | 1,2,3 ,4,5,6,8,12,PSO1,PSO2 | 3 | - | 2 | 4 |

**Elective V**

**Career Path I, II, III and Other Core Electives**

| No. | Course Code | Course | POs | L | T | P | C |
|---|---|---|---|---|---|---|---|
| 1 | 21EEC13 | Battery Management Systems | 1,2,3,6,7,12, PSO1,PSO2 | 3 | - | - | 3 |
| 2 | 21EEC23 | Hybrid Renewable Energy Systems Design | 1,2,3,6,7,12, PSO1,PSO2 | 3 | - | - | 3 |
| 3 | 21EEC33 | Communication and Security in Smart Grid | 1,2,3,6,7,8,12, PSO1,PSO2 | 3 | - | - | 3 |
| 4 | 21EE010 | Electrical Distribution Systems | 1,2,3,6,7,8,12, PSO1,PSO2 | 3 | - | - | 3 |
| 5 | 21EC401 | Analog and Digital Communications | 1,2,3,6,7,12, PSO1,PSO2 | 3 | - | - | 3 |
| 6 | 21IT304 | Database Management Systems | 1,2,3,6,8,12 | 3 | - | - | 3 |

**Elective VI**

| No. | Course Code | Course | POs | L | T | P | C |
|---|---|---|---|---|---|---|---|
| 1 | 21EE011 | Energy Audit, Conservation and Managaement | 1,2,3,6,7,8,12, PSO1,PSO2 | 3 | - | - | 3 |
| 2 | 21EE012 | Microprocessors and Microcontroller Interfacing | 1,2,3,6,12, PSO1,PSO2 | 3 | - | - | 3 |
| 3 | 21EE013 | Programmable Logic Controllers | 1,2,3,6,12, PSO1,PSO2 | 3 | - | - | 3 |

**Elective VIII (Professional Elective)**

| No. | Course Code | Course | POs | L | T | P | C |
|---|---|---|---|---|---|---|---|
| 1 | 21EE014 | Power System Deregulation | 1,2,3,6,7,12, PSO1,PSO2 | - | - | - | 3 |
| 2 | 21EE015 | Power System Dynamics & Control | 1,2,3,8,12, PSO1,PSO2 | - | - | - | 3 |
| 3 | 21EE016 | High Voltage Engineering | 1,2,3,6,8,12, PSO1,PSO2 | - | - | - | 3 |

Department of Electrical and Electronics Engineering

**Third Semester**

| | | | | | | |
|---|---|---|---|---|---|---|
| 23MA302 | Engineering Mathematics III | 1,2,3,4,5,9,11,12,PSO1,PSO2 | 3 | - | 2 | 4 |
| 23EE302 | DC Machines and Transformers | 1,2,3,6,12,PSO1,PSO2 | 3 | - | - | 3 |
| 23EE303 | Electrical Circuit Analysis-II | 1,2,3,6,7,12,PSO1,PSO2 | 3 | - | - | 3 |
| 23EE304 | Electromagnetic Field Theory | 1,2,3,6,7,12,PSO1,PSO2 | 3 | - | - | 3 |
| 23EE305 | Measurements and Instrumentation | 1,2,3,6,12,PSO1,PSO2 | 3 | - | - | 3 |
| 23EE306 | Semiconductor Devices and Circuits | 1,2,3,4,5,6,12,PSO1,PSO2 | 3 | - | 2 | 4 |
| 23EE307 | DC Machines Lab | 1,2,3,4,5,9,11,12,PSO1,PSO2 | - | - | 3 | 1.5 |
| 23EE308 | Python Programming lab | 1,2,3,4,5,9,11,12,PSO1,PSO2 | - | - | 3 | 1.5 |
| 23ESX01 | Employability Skills I | 1,2,3,4,5,9,10,11,12 | - | - | 2 | - |
| | | **Total** | **18** | **-** | **12** | **23** |

**Fourth Semester**

| | | | | | | |
|---|---|---|---|---|---|---|
| 23EE401 | AC Machines | 1,2,3,6,12,PSO1,PSO2 | 3 | - | - | 3 |
| 23EE402 | Linear and Digital Integrated Circuits | 1,2,3,4,5,6,9,11,12,PSO1,PSO2 | 3 | - | 2 | 4 |
| 23EE403 | Power Electronics | 1,2,3,6,12,PSO1,PSO2 | 3 | - | - | 3 |
| 23EE404 | Power Generation, Transmission and Distribution | 1, 2,3,6,7,8,12, PSO1,PSO2 | 3 | - | - | 3 |
| 23EE405 | Signals and Systems Theory | 1,2,3,6,12,PSO1,PSO2 | 3 | - | - | 3 |
| 23EE406 | AC Machines Lab | 1,2,3,4,5,9,11,12,PSO1,PSO2 | - | - | 3 | 1.5 |
| 23EE407 | Measurements and Instrumentation Lab | 1,2,3,4,5,9,11,12,PSO1,PSO2 | - | - | 3 | 1.5 |
| 23ESX01 | Employability Skills I | 1,2,3,4,5,9,10,11,12 | - | - | 2 | 2 |
| | | **Total** | **15** | **-** | **10** | **21** |

4

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## MINUTES OF THE 18th ACADEMIC COUNCIL MEETING

Media : Zoom (Online Meeting)
Date : 13.07.2022 (Wednesday)
Time : 03:00 PM – 05:00 PM

### MEMBERS PRESENT

| | | |
|---|---|---|
| Dr. C. L. V. R. S. V. Prasad | - | Chairman (Principal) |
| Dr. KVSG Murali Krishna | - | Member |
| Dr. B. Bala Krishna | - | Member |
| Dr. R.Rajeswara Rao | - | Member |
| Dr. A.Venugopal | - | Member |
| Dr. K. V. L. Subramaniam | - | Member |
| Dr. P. Mallikarjuna Rao | - | Member |
| Dr. P. K. Jain | - | Member |
| Chair Person (BoS : Civil Engg.) | - | Member |
| Chair Person (BoS : EEE) | - | Member |
| Chair Person (BoS : Mech Engg.) | - | Member |
| Chair Person (BoS : ECE) | - | Member |
| Chair Person (BoS : CSE) | - | Member |
| Chair Person (BoS : Chem Engg.) | - | Member |
| Chair Person (BoS : IT) | - | Member |
| Chair Person (BoS : BS&H) | - | Member |
| Dr.S.N.Dash(CDC-Head) | - | Member |
| Dr.G.Sasi Kumar(Asso.Dean-Student Affairs) | - | Member |
| Dr.P.S.Venkata Narayana(Asso.Dean-R&D) | - | Member |
| Dr.T.Prabhakar (Controller of Examinations) | - | Member |
| Dr. L.Govinda Rao(IQAC Coordinator) | - | Member |
| Dr. M.V.Nageswara Rao(Asso.Dean-Academics) | - | Member Secretary |

### GRANT OF LEAVE OF ABSENCE

Mr. V. Paradesi Naidu — Member

Chairman welcomed all the members of the academic council and requested for the grant leave of absence for the above referred members. **(Item #1).**

Subsequently, the Chairman presented the action taken report for the 17th academic council meeting and received the confirmation for the minutes of 17th academic council meeting held on 11th Sep 2021 from all the esteemed members. **(Item #2&3).**

Chairman presented the details of the overall Operations and performance of the Institution (Academic-Operations, Ranking, Achievements, Placements and Research) **(Item #4)**.

Academic council members appreciated the efforts and initiatives taken up by the institute for the overall development and the ranking achieved. Congratulated the students who achieved credential in curricular and co-curricular activities.

**ITEM No.: 5**

**Ratification of Semester end result for regular and supplementary examination for the academic year 2020-21(II, IV, VI semesters) and 2021-22 (I, III, VI, VII, VII, VIII semesters) held during September 2021 to July 2022 for Students in B. Tech. Programs.**

Chairman presented the results declared for the regular and supplementary examinations pertaining to semesters mentioned above for the students admitted during the different academic years under Academic Regulation AR16, AR19, AR20 and AR 21 and requested for the ratification of the results which were declared by the College academic committee in the presence of the JNTUK representative.

The members after the detailed review, ratified the results of all the regular and supply examinations declared by the college academic committee as per the **Annexure I.**

**ITEM No.: 6**

**Ratification of results of 2nd phase semester end exams for all the COVID-19 infected students during 2021-22.**

Chairman presented the list of students infected with COVID-19 and could not appear for the 7th semester examinations. These students were permitted to appear in the 2nd phase as per the university directions considering it as a first attempt.

The members after the detailed review, ratified the Class and CGPA declared by the college academic committee as per the **Annexure II.**

**ITEM No.: 7**

**Ratification of the PC eligibility list of the students admitted during the Academic Year 2018-19 and earlier batches who have successfully acquired the graduation requirements for the award of B. Tech. Degree as per the respective academic regulations at the time of admission.**

Chairman presented the (semester-wise & branch-wise) results of the 2018 admitted batch for all the semesters' i.e from $1^{st}$ to $8^{th}$ semesters under Academic Regulation AR16 and who have acquired the graduation requirements and eligible for the issue of Provisional certificate. Further, details of the students who have acquired graduation requirements and eligible for the issue of PCs pertaining to the batches admitted earlier to 2018 are presented.

The members reviewed the results ($1^{st}$ semester to $8^{th}$ semester) of 2018 admitted batch students and approved the PC eligibility list of the student who will be getting graduated by July 2022 as per the academic regulations AR16. Apart from this, the PC eligible students from the earlier admitted students who have acquired graduation requirements were also approved as per the **Annexure III.**

**ITEM No.: 8**
**Ratification of the AR21 regulations for UG and PG programs that are approved by circulation wide the circulars dated 15-11-2021, 30-12-2021 & 30-03-2022 (In compliance with the JNTUK common guidelines)**

Chairman presented the Academic Regulations 2021 (AR21) and Curriculum recommended by the respective BoS and which are in line with JNTUK common guidelines majorly in the context of incorporating the changes relate to the marks division between internal and External marks (30+70), Absolute grading in the place of Hybrid grading and Award of Class of degree (Division/Class) for UG and PG programs.

The members after deliberation ratified the Academic Regulations 2021 (AR21), Curriculum for UG and PG programs as per **Annexure IV &V.**

**ITEM NO.:9**
**Approval of course structure, $3^{rd}$ & $4^{th}$ semesters syllabus for the new programs B.Tech CSE(AIML) and B.Tech CSE(AIDS) as per Academic Regulations 2021.**

Chairman presented the recommendations of the Board of Studies CSE(AIDS) and CSE (AIML)) with regard to the course structure and detailed Syllabi for $3^{rd}$ and $4^{th}$ semesters as per AR21 for the B. Tech. (Regular), B. Tech. (Honors) and B. Tech (Minor) Programs for the ratification of Academic Council

Members after deliberation ratified the syllabi for the $3^{rd}$ and $4^{th}$ semesters as per the **Annexure VI & VII.**

**ITEM NO.:10**

**Ratification of the syllabus for the 7th and 8th semesters as per AR19 and AR20 academic regulations**

Chairman presented the recommendations of all the seven Board of Studies with regard to the detailed Syllabi for 7th and 8th semesters under the Academic Regulation AR 19 and AR 20 for the B. Tech. (Regular), B. Tech. (Honors) and B. Tech (Minor) Programs for the ratification of Academic Council

Members after deliberation ratified the syllabi for the 7th and 8th semesters as per the **Annexure VIII to XIV**

**ITEM NO.:11**

**Ratification for readmitted students under transitory Regulations**

As per the transitory regulations, with regard to the students re-admitted under, AR19/AR20 moving from AR16/AR19, Board of Studies of the respective departments discussed the issues case to case and recommended the substitute courses balancing the credit requirements. The details of the students are presented by the chairman before the council for formal ratification

Members ratified the recommendations of the respective BoS as per the **Annexure XV**

**PRINCIPAL**

**Encl.** (a) Annexure A (b) Annexure B (c) Annexure C (d) Annexure D

**Copy to:**
- All Members of the Academic Council
- Autonomous Coordinator (Institute Level)
- Assoc.Dean(Academics)
- Controller of Examinations (CoE)
- File

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MINUTES OF THE 18th ACADEMIC COUNCIL MEETING

**Annexure IV:**
http://www.gmrit.org/Autonomy_Regulations_UGPrograms_2021.pdf

**Annexure V:**
http://www.gmrit.org/Autonomy_Regulations_PGPrograms_2021.pdf

**Annexure VI:**
http://www.gmrit.org/resources/CSE-AI&DS_Course_Structure.pdf

**Annexure VII:**
http://www.gmrit.org/resources/CSE-AI&ML_Course_structure.pdf

**Annexure VIII: CIVIL Engineering**
http://www.gmrit.org/resources/B.Tech_Civil_Syllabus_AR19.pdf
http://www.gmrit.org/resources/B.Tech_Civil_Syllabus_AR20.pdf

**Annexure IX: CHEMIAL Engineering**
http://www.gmrit.org/resources/B.Tech_Chem_Syllabus_AR20.pdf
http://www.gmrit.org/resources/B.Tech_Chem_Syllabus_AR19.pdf

**Annexure X: Computer Science Engineering**
http://www.gmrit.org/resources/B.Tech_CSE_Syllabus_AR20.pdf
http://www.gmrit.org/resources/B.Tech_CSE_Syllabus_AR19.pdf

**Annexure XI: Information Technology**
http://www.gmrit.org/resources/B.Tech_IT_Syllabus_AR20.pdf
http://www.gmrit.org/resources/B.Tech_IT_Syllabus_AR19.pdf

**Annexure XII: Electronics and Communication Engineering**
http://www.gmrit.org/resources/B.Tech_ECE_Syllabus_AR20.pdf
http://www.gmrit.org/resources/B.Tech_ECE_Syllabus_AR19.pdf

**Annexure XIII: Electrical and Electronics Engineering**
http://www.gmrit.org/resources/B.Tech_EEE_Syllabus_AR20.pdf
http://www.gmrit.org/resources/B.Tech_EEE_Syllabus_AR19.pdf

**Annexure XIV: Electrical and Electronics Engineering**
http://www.gmrit.org/resources/B.Tech_Mech_Syllabus_AR20.pdf
http://www.gmrit.org/resources/B.Tech_Mech_Syllabus_AR19.pdf

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## MINUTES OF THE 20th ACADEMIC COUNCIL MEETING

Media          : Zoom (Online Meeting)
Date            : 15.06.2024 (Saturday)
Time           : 03:00 PM – 05:00 PM

### MEMBERS PRESENT

| | | |
|---|---|---|
| Dr. C. L. V. R. S. V. Prasad | - | Chairman (Principal) |
| Dr. D. Rajya Lakshmi | - | Member |
| Mr.B.Chandra Bhushana Rao | - | Member |
| Dr. G. Jayasuma | - | Member |
| Dr. A. Venu Gopal | - | Member |
| Dr. P. Mallikarjuna Rao | - | Member |
| Dr. P. K. Jain | - | Member |
| Chair Person (BoS : Civil Engg.) | - | Member |
| Chair Person (BoS : EEE) | - | Member |
| Chair Person (BoS : Chem &Mech Engg.) | - | Member |
| Chair Person (BoS : ECE) | - | Member |
| Chair Person (BoS : CSE) | - | Member |
| Chair Person (BoS : IT) | - | Member |
| Chair Person (BoS : BS&H) | - | Member |
| Chair Person (BoS : AIML,AIDS) | - | Member |
| Dr.S.N.Dash(CDC-Head) | - | Member |
| Dr.V.Rambabu (Asso.Dean-Student Affairs) | - | Member |
| Dr. K.Ravindranadh (Asso.Dean-R&D) | - | Member |
| Dr.T.Prabhakar (Controller of Examinations) | - | Member |
| Dr.P.N.L.Pavani (Head -IQAC) | - | Member |
| Dr. M.V.Nageswara Rao(Asso.Dean-Academics) | - | Member Secretary |

### GRANT OF LEAVE OF ABSENCE

| | | |
|---|---|---|
| Dr. K. V. L. Subramaniam | - | Member |
| Mr. V. Paradesi Naidu | - | Member |

Chairman welcomed all the members of the academic council and requested for the grant leave of absence for the above referred members. **(Item #1).**

Member Secretary presented the action taken report for the 19th academic council meeting and received the confirmation for the minutes of 19th academic council meeting held on 06th June 2023 from all the esteemed members.

Page 1 of **15**

10

Also presented the action taken report for the approvals taken by circulation on 20.11.2023 and received the confirmation from all the esteemed members. **(Item #2 &3).**

Member Secretary presented the details of the overall Operations and performance of the Institution (Academic-Operations, Ranking, Achievements, Placements and Research) **(Item #4).**

Academic council members appreciated the efforts and initiatives taken up by the institute for the overall development and the ranking achieved. Congratulated the students who achieved credential in curricular and co-curricular activities.

**ITEM No.: 5**

**Ratification of Semester end result for regular and supplementary examination for the academic year 2023-24 (II, IV, VI, VIII semesters) and 2023-24 (I, III, V, VII semesters) held during June 2023 to June 2024 for Students in B. Tech. and M.Tech Programs.**

Member Secretary presented the results declared for the regular and supplementary examinations pertaining to semesters mentioned above for the students admitted during the different academic years under Academic Regulation AR16, AR19, AR20, AR21 and AR 23 and requested for the ratification of the results which were declared by the College academic committee in the presence of the JNTUGV representative.

- The members, after the detailed review, ratified the results of all the regular and supply examinations declared by the college academic committee as per the **Annexure I.**

**ITEM No.: 6**

**Ratification of the PC eligibility list of the UG students admitted during the Academic Year 2020-21 & earlier batches who have successfully acquired the graduation requirements for the award of B. Tech. Degree with Honours , B.Tech. Degree with Minors in Computer Science and Engineering , and B.Tech. Degree as per the respective academic regulations at the time of admission.**

**Ratification of the PC eligibility list of the PG students admitted during the Academic Year 2021-2022 who have successfully acquired the graduation requirements for the award of M.Tech. Degree as per the respective academic regulations at the time of admission.**

Member Secretary presented the (semester-wise & branch-wise) UG results of the 2020 admitted batch for all the semesters i.e from 1st to 8th semesters under Academic Regulation AR20 and who have acquired the graduation requirements and eligible for the issue of Provisional certificate.

Further, details of the students who have acquired graduation requirements and eligible for the issue of PCs pertaining to the batches admitted earlier to 2020 are presented.

The members reviewed the results (1st semester to 8th semester) of 2020 admitted batch students and approved the PC eligibility list of the student who will be graduating by June 2024 as per the academic regulations AR20. Apart from this, the PC eligible students from the earlier admitted students who have acquired graduation requirements were also approved as per the **Annexure II.**

Member Secretary also presented the (semester-wise & Specialisation-wise) results PG students admitted in the academic year 2021-22 for all the semesters' i.e from 1st to 4th semesters and who have fulfilled the M.Tech requirements and eligible for the issue of Provisional certificate.

The members reviewed the results (1st semester to 4th semester) of 2021 admitted batch PG students and approved the PC eligibility list of the students who will be graduating by June 2024 as per the **Annexure II.**

**ITEM NO.:7**

**Ratification of the syllabus for the 7th & 8th semesters of CSE-AIML & CSE-AIDS as per AR21 academic regulations**
HOD-CSE presented the recommendations of the Board of Studies (meeting held on 16th March 2024) of CSE-(Artificial Intelligence and Machine Learning) and CSE-(Artificial Intelligence and Data Science) regarding the detailed Syllabi for 7th & 8th semesters for AR21 regulations B. Tech. (Regular), B. Tech. (Honors) and B. Tech (Minor) Programs requesting for the ratification from the members of Academic Council

Members after deliberation ratified the syllabi for the 7th and 8th semesters as per the **Annexure III.**

**ITEM NO.:08**

**Approval of the AR-23 Academic Regulations for 3rd, 4th, 5th, 6th ,7th and 8th semesters.**

The member secretary presented the detailed course structure and syllabus from III to VIII semesters of AR23 regulations. The syllabus and course structure of I and II semesters are in line with the common guidelines suggested by JNTUGV.
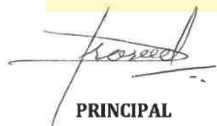
However, keeping in view the following points related the JNTUGV suggested course structure:

1. More academic load during 7th semester (21 credits)
2. Mandated FSI during 8th semester for all the students
3. No clear separation of credits for project work and FSI in 8th semester
4. Suggested FSI through online/virtual mode

All the respective BoS have recommended implementing the course structure of III to VIII semesters of AR21 which was Approved and ratified by AC during the meeting dated 13th July 2022 with the following changes to have credit balance.

- CC&EC activities which were available from III to VI semesters are removed as CC&EC activities were already pursued in the I and II semesters.
- One credit is reduced in the Open Elective of VIII semester
- Minor modifications in the syllabus in a few courses.

Members deliberated and ratified the course structure and syllabus for AR23 regulations as recommended by the respective BoS for all the eight UG programs. Details are attached in **Annexure-IV**

**PRINCIPAL**

**Encl.** Annexure I to IV

**Copy to:**
- All Members of the Academic Council
- Assoc.Dean(Academics)
- Controller of Examinations (CoE)
- File

## PC Eligibility for
## B.Tech Degree with Minors in Computer Science and Engineering

| S.No | Department | Registered | Eligible for B.Tech Degree with Minors in Computer Science and Engineering |
|------|-----------|-----------|-------------------------------------------------------------------------|
| 1 | Civil Engineering | 13 | 9 |
| 2 | Electrical and Electronics Engineering | 10 | 10 |
| 3 | Mechanical Engineering | 9 | 9 |
| 4 | Electronics and Communication Engineering | 30 | 26 |
| 5 | Chemical Engineering | 3 | 2 |
| | Total | 65 | 56 |

## PC Eligibility - PG Students 2021 Admitted Batch

| S.No. | Admitted Batch | PC Eligible Students | Eligibility Academic Year |
|-------|---------------|---------------------|--------------------------|
| 1 | 2021 Admitted Batch | 08 | 2023-24 |

## Annexure – III

## Syllabus for 7th & 8th semesters of CSE-AIML & CSE-AIDS

https://gmrit.edu.in/PDFs/curriculum/B.Tech_AIDS_Syllabus_AR21.pdf

https://gmrit.edu.in/PDFs/curriculum/B.Tech_AIML_Syllabus_AR21.pdf

## Annexure – III
## Academic Regulations (AR-23) for 3rd, 4th, 5th, 6th, 7th and 8th semesters

https://gmrit.edu.in/PDFs/curriculum/B.Tech_AIDS_Syllabus_AR23.pdf

https://gmrit.edu.in/PDFs/curriculum/B.Tech_AIML_Syllabus_AR23.pdf

https://gmrit.edu.in/PDFs/curriculum/B.Tech_Civil_Syllabus_AR23.pdf

https://gmrit.edu.in/PDFs/curriculum/B.Tech_EEE_Syllabus_AR23.pdf

https://gmrit.edu.in/PDFs/curriculum/B.Tech_CSE_Syllabus_AR23.pdf

https://gmrit.edu.in/PDFs/curriculum/B.Tech_ECE_Syllabus_AR23.pdf

https://gmrit.edu.in/PDFs/curriculum/B.Tech_Mech_Syllabus_AR23.pdf

https://gmrit.edu.in/PDFs/curriculum/B.Tech_IT_Syllabus_AR23.pdf