

## **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 Computer Science and Engineering**

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### Department of Computer Science and Engineering

Minimum Credits to be earned: 160 (for Regular Students) 123 (for Lateral Entry Students)

Fifth Semester							
No	Course Code	Course Name	POs	L	T	P	C
1	21EC502	Microprocessors and Microcontroller Programming (Integrated)	1,2,3,4,5,PSO1	3	-	2	4
2	21CS502	Artificial Intelligence and Machine Learning	1,2,3,4,12,PSO1,PSO2	3	-	-	3
3	21CS503	Computer Networks (Integrated)	1,2,4,5,7,12,PSO1	3	-	2	4
4	21CS504	Theory of Computation	1,2,3,12,PSO1	3	-	-	3
5		Elective I (Professional Elective)		3	-	-	3
6		Elective II (Open Elective I)		3	-	-	3
7	21CS507	Artificial Intelligence and Machine Learning Lab	1,2,4,5,12,PSO1,PSO2	-	-	3	1.5
8	21TPX01	Term Paper	1,2,4,5,8,9,10,11,12,PSO1,PSO2	-	-	3	1.5
9	21ESX02	Employability Skills II	1,2,3,4,5,9,10,11,12	0	-	2	-
10	21HSX12	CC & EC Activities II	9,10,12	-	-	1	-
11	21SIX01	Summer Internship I	1,2,3,6,7,8,9,10,11,12,PSO1,PSO2	-	-	-	1
			<b>Total</b>	<b>18</b>	<b>-</b>	<b>12</b>	<b>24</b>

Sixth Semester						
No	Course Code	Course Name	POs	L	T	C
1	21CS601	Compiler Design	1,2,3,12, PSO1	3	-	3
2	21CS602	Internet of Things	1,2,3,4,7, PSO1	3	-	3
3	21CS603	Software Engineering	1,2,3,5,11,PSO1	3	-	3
4		Elective III (Professional Elective)		3	-	4
5		Elective IV (Open Elective II)		3	-	3
6	21CS606	Case Tools Lab	1,2,3,4,5,10,11,PSO1	-	-	1.5
7	21MPX01	Mini Project	All POs & PSOs	-	-	1.5
8	21ESX02	Employability Skills II	1,2,3,4,5,9,10,11,12	0	-	2
9	21HSX12	CC & EC Activities II	9,10,12	-	-	1
10	21ATX01	Environmental Studies	1,3,6,7	-	-	-
11	21ATX02	Professional Ethics and Human Values	----	-	-	-
12	21ATX---	Audit Course	----	-	-	-
			<b>Total</b>	<b>15</b>	<b>-</b>	<b>8</b>
						<b>22</b>

Seventh Semester						
No	Course Code	Course Name	POs	L	T	C
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	All POs & PSOs	-	-	1
5	21PWX01	Project	All POs& PSOs	-	-	8
			<b>Total</b>	<b>9</b>	<b>-</b>	<b>16</b>
						<b>18</b>

Eighth Semester						
No	Course Code	Course Name	POs	L	T	C
1		Elective VIII (Professional Elective)		-	-	3
2		Elective IX (Open Elective IV)		-	-	3
3	21FIX01	Full Semester Internship (FSI)	1,2,5,8,9,10,PSO1,PSO2	-	-	8
			<b>Total</b>	<b>6</b>	<b>-</b>	<b>14</b>

Language Electives						
No	Course Code	Course Name	POs	L	T	C
1	21HSX03	Advanced Communicative English	6,9,10,11,12	2	-	2
2	21HSX04	Communicative German	6,9,10,11,12	2	-	2

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3	21HSX05	Communicative French	6,9,10,11,12	2	-	-	2
4	21HSX06	Communicative Japanese	6,9,10,11,12	2	-	-	2
5	21HSX07	Communicative Spanish	6,9,10,11,12	2	-	-	2
6	21HSX08	Communicative Korean	6,9,10,11,12	2	-	-	2
7	21HSX09	Communicative Hindi	6,9,10,11,12	2	-	-	2

**Elective I :Professional Elective I**

**Career Path I, II, III**

1	21CSC11	Exploratory Data Analytics (AI&ML)	1,2,4,10,12,PSO2	3	-	-	3
2	21CSC21	Web Programming Languages (Full Stack Developer)	1,2,3,5,PSO1, PSO2	3	-	-	3
3	21ITC31	Fundamentals of Security (Cyber Security)	1,2,5,PSO1, PSO2	3	-	-	3

**Non-Career Path (Core Electives)**

4	21CS004	Principles of Programming Languages	1, 2, 3, 4	3	-	-	3
5	21CS005	Mobile Computing	1,2,3,7	3	-	-	3
6	21CS006	Distributed Operating Systems	1,2,3,12	3	-	-	3
7		MOOCs/Honors		3	-	-	3

**Elective III: Professional Elective II**

**Career Path I, II, III**

1	21CSC12	Deep Learning (AI&ML)	1,2,3,4,5,12, PSO1	3	-	2	4
2	21CSC22	Web Application Developments Framework (Full Stack Developer)	1,2, 3,5,12,PSO2	3	-	2	4
3	21ITC32	Cybernet Security (Cyber Security)	1,3,4, 5, 12,PSO1,PSO2	3	-	2	4

**Non-Career Path (Core Electives)**

4	21CS007	Cloud Computing Essentials	2,5,6,7,8	3	-	2	4
5	21CS008	Cryptography and Network Security	3, 6,8	3	-	2	4

**Elective V : Professional Elective III**

**Career Path I, II, III**

1	21CSC13	Natural Language Processing (AI&ML)	1,2,3,4,12, PSO2	3	-	-	3
2	21CSC23	Web Application Databases (Full Stack Developer)	1,2,3,5,12,PSO2	3	-	-	3
3	21ITC33	Cloud Security (Cyber Security)	1,2,4,5,8	3	-	-	3

**Non-Career Path (Core Electives)**

4	21IT008	Social Network Analysis	1,2, 3,4, 5	3	-	-	3
5	21CS011	Optimization Techniques	1,2, 3, 5,12	3	-	-	3
6	21CS012	Wireless Adhoc Networks	1,2, 3,10,12	3	-	-	3

**Elective VI : Professional Elective IV**

1	21CS014	Green Computing	1,2,3,6,7	3	-	-	3
2	21CS015	Software Project Management	1,2,3,11,12, PSO2	3	-	-	3
3	21CS016	Soft Computing	1,2,3,4,12,PSO1	3	-	-	3

**Elective VIII: Professional Elective**

1	21CS017	Fundamentals of Social Network Analysis	1,2,3, 4,5,PSO2	-	-	-	3
2	21CS018	Information Retrieval Systems	1,2,3,4,5,12	-	-	-	3
3	21CS019	Fundamentals of Devops	1,3, 5,11,PSO2	-	-	-	3
4		MOOCs/Honors		-	-	-	3

**Open Elective I, II, III, and IV (Elective II, IV, VII, and IX)**

1	21CE001	Disaster Management	2,7	3	-	-	3
2	21EE001	Electrical Installation, Safety and Auditing	2,3,6,8	3	-	-	3
3	21ME001	Fundamentals of Optimization Techniques	1,2,3,5	3	-	-	3

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4	21EC001	Sensors for Engineering Applications	1	3	-	-	3
5	21CS001	Fundamentals of Artificial Intelligence	1,2,3	3	-	-	3
6	21CH001	Energy Conversion and Storage Devices	1,3,6,7	3	-	-	3
7	21IT001	Fundamentals of Multimedia	3,5,7	3	-	-	3
8	21BS001	Nano Materials and Technology	1,12	3	-	-	3
9	21DS001	Fundamentals of Data Science	1,2	3	-	-	3
10	21CE002	Air Pollution and Environmental Impact Assessment	6,7,12	3	-	-	3
11	21EE002	Renewable Energy Sources	2,7	3	-	-	3
12	21ME002	Principles of Entrepreneurship	1,5,8,11	3	-	-	3
13	21EC002	Electronics for Agriculture	1,2	3	-	-	3
14	21CS002	Fundamentals of Machine Learning	2,5	3	-	-	3
15	21CH002	Industrial Safety and Hazard Management	1,2,3,6,8	3	-	-	3
16	21IT002	Fundamentals of Cloud Computing	2,6,7,8,12	3	-	-	3
17	21BS002	Advanced Numerical Techniques	1,2	3	-	-	3
18	21BS003	Functional Materials and Applications	1,7	3	-	-	3
19	21CE003	Solid Waste Management	3,7,12	3	-	-	3
20	21EE003	Fundamentals of Electrical Vehicle Technology	2,3,12	3	-	-	3
21	21ME003	Industrial Engineering and Management	1,11	3	-	-	3
22	21EC003	Interfacing and Programming with Arduino	1,2	3	-	-	3
21	21CS003	Data Science for Engineering Applications	2,3,4	3	-	-	3
24	21CH003	Industrial Ecology for Sustainable Development	2,6,7	3	-	-	3
25	21IT003	Fundamentals of Mobile Computing	1,7	3	-	-	3
26	21BS004	Advanced Materials of Renewable Energy	1,7	3	-	-	3
27	21BS005	Applied Linear Algebra for Engineers	1,12	3	-	-	3
28	21CE019	Green Buildings	1,7,12	3	-	-	3
29	21EE017	Sustainable Energy	2,3,12	3	-	-	3
30	21ME019	Total Quality Management	1,11	3	-	-	3
31	21EC011	Communication Technologies	1,2	3	-	-	3
32	21CS020	Applications of Artificial Intelligence	2,3,6,7	3	-	-	3
33	21CH016	Green Technologies	2,6,7	3	-	-	3
34	21IT015	Human Computer Interaction	1,7	3	-	-	3
35	21BS006	Handling of Industrial waste and waste water	1,7	3	-	-	3
36	21OE001	Robotics and Automation	5,6,7	3	-	-	3
37	21OE002	Introduction to IoT	1,2	3	-	-	3
38	21OE003	Fundamentals of Image processing	1,2	3	-	-	3
39	21OE004	Fundamentals of Data Acquisition systems	1,2	3	-	-	3
40	21OE005	Airport Operations Management	2,4,11,12	3	-	-	3
41	21OE006	Fundamentals of Embedded Systems	1,2	3	-	-	3
42	21OE007	Remote Sensing and GIS	1,2,5,7,10	3	-	-	3
43	21OE008	Big Data Analytics	1,7	3	-	-	3
44	21OE009	Fundamentals of Cyber Security	3,6,8	3	-	-	3
45	21OE010	Smart Cities	7,12	3	-	-	3
46	21OE011	Nano Materials and Thin Film Technology	1,12				

47	21CSMC1	Cloud computing	2,3	3	-	-	3
48	21CSMC2	Ethical Hacking	1,2,3	3	-	-	3
49	21CSMC3	Fundamentals of Web Development	2,3,5	4	-	-	4
50	21OE012	Business Intelligence & Analytics	2,3,5	3	-	-	3
51	21OE013	Introduction To Industry 4.0 And Industrial Internet Of Things	2,3	3	-	-	3
52	21OE014	Natural Language Processing	2,3	3	-	-	3
53	21OE015	Affective Computing	1,2,3,4	3			

**Audit Course**

1	21AT001	Communication Etiquette in Workplaces	-	-	-	-	-
2	21AT002	Contemporary India: Economy, Policy and Society	-	-	-	-	-
3	21AT003	Design The Thinking	-	-	-	-	-
4	21AT004	Ethics and Integrity	-	-	-	-	-
5	21AT005	Indian Heritage and Culture	-	-	-	-	-
6	21AT006	Intellectual Property Rights and Patents	-	-	-	-	-
7	21AT007	Introduction to Journalism	-	-	-	-	-
8	21AT008	Mass Media Communication	-	-	-	-	-
9	21AT009	Science, Technology and Development	-	-	-	-	-
10	21AT010	Social Responsibility	-	-	-	-	-
11	21AT011	The Art of Photography and Film Making	-	-	-	-	-
12	21AT012	Gender Equality for Sustainability	-	-	-	-	-
13	21AT013	Women in Leadership	-	-	-	-	-
14	21AT014	Introduction to Research Methodology	-	-	-	-	-
15	21AT015	Climate Change and Circular Economy	-	-	-	-	-

**B. Tech. (Honors)**

<b>Domain II (Modern Software Engineering)</b>							
01	21CSH21	DevOps	1,2,3,5,8,10,PSO1, PSO2	4	-	-	4
02	21CSH22	Design Patterns	1,2,3,5,10,PSO1	4	-	-	4

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03	21CSH23	Advanced Software Engineering	1,2,3,5,11, PSO1	4	-	-	4
04	21CSH24	Robotic Process Automation	1,2,3,4,5, 6,8, 10,PSO1	4	-	-	4

**B. Tech. (Minors)**

**Computer Systems Programming**

01	21CSM41	Programming Fundamentals	1,2,3	4	-	-	4
02	21CSM42	Data Structures & Algorithms	1,2,3,4	4	-	-	4
03	21CSM43	Fundamentals of Databases	1,4	4	-	-	4
04	21CSM44	Fundamentals of Computer Networks & Operating Systems	1,2,3	4	-	-	4

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### Department of Computer Science and Engineering

Minimum Credits to be earned: 160 (for Regular Students) 120 (for Lateral Entry Students)

Third Semester							
No.	Course Code	Course	POs	L	T	P	Credits
1	23CS301	Problem solving using Python	1,2,3,5,12	3	-	2	4
2	23HSX10	Engineering Economics and Project Management	1,2,10,11,PSO2	3	-	-	3
3	23CS303	Design and Analysis of Algorithms	1,2,3,PO12,PSO1	3	-	-	3
4	23CS304	Digital Logic Design	1,2,3,4,5,PSO1	3	-	2	4
5	23CS305	Discrete Mathematical Structures	1,2,3,12,PSO1	3	-	-	3
6	23CS306	Object Oriented Programming with JAVA	1,2,3,PO12,PSO2	3	-	-	3
7	23CS307	Design and Analysis of Algorithms Lab	1,2,3,4,10,12,PSO1	-	-	3	1.5
8	23CS308	JAVA Lab	1,2,3,4,10,12,PSO2	-	-	3	1.5
9	23ESX01	Employability Skills I	1,2,3,4,5,9,10,11,12	0	-	2	-
			<b>Total</b>	<b>18</b>	-	<b>12</b>	<b>23</b>

Fourth Semester							
1	23IT304	Database Management Systems	1,2,3,10,12,PSO2	3	-	-	3
2	23IT403	Operating Systems	1,2,12,PSO1,PSO2	3	-	-	3
3	23CS403	Computer Organization and Architecture	1,2,3,12,PSO1	3	-	-	3
4	23MA404	Probability and Statistics using Python	1,2,4,10,12	3	-	2	4
5	23CS405	Web Coding and Development	1,2, 3, 5, 8, PSO2	3	-	-	3
6	23IT308	Database Management Systems Lab	1,2,3,8,10,12,PSO2	-	-	3	1.5
7	23CS407	Web Coding and Development Lab	1,2,3,4,5,8,10,PSO2	-	-	3	1.5
8	23ESX01	Employability Skills I	1,2,3,4,5,9,10,11,12	0	-	2	2
			<b>Total</b>	<b>15</b>	-	<b>10</b>	<b>21</b>

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## MINUTES OF THE 18<sup>th</sup> 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 17<sup>th</sup> academic council meeting and received the confirmation for the minutes of 17<sup>th</sup> academic council meeting held on 11<sup>th</sup> 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, 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**

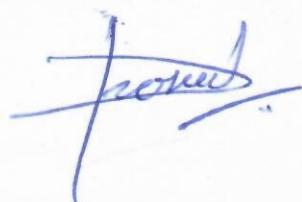
**Ratification of results of 2<sup>nd</sup> phase semester end exams for all the COVID-19 infected students during 2021-22.**

Chairman presented the list of students infected with COVID-19 and could not appear for the 7<sup>th</sup> semester examinations. These students were permitted to appear in the 2<sup>nd</sup> 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<sup>st</sup> to 8<sup>th</sup> 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<sup>st</sup> semester to 8<sup>th</sup> 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<sup>rd</sup> & 4<sup>th</sup> 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<sup>rd</sup> and 4<sup>th</sup> 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<sup>rd</sup> and 4<sup>th</sup> semesters as per the **Annexure VI & VII**.



**ITEM NO.:10****Ratification of the syllabus for the 7<sup>th</sup> and 8<sup>th</sup> semesters as per AR19 and AR20 academic regulations**

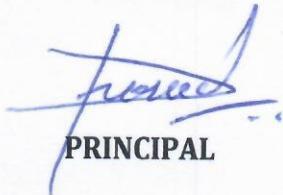
Chairman presented the recommendations of all the seven Board of Studies with regard to the detailed Syllabi for 7<sup>th</sup> and 8<sup>th</sup> semesters under the Academic Regulation AR 19 and AR 20 for the B. Tech. (Regular), B. Tech. (Honors) and B. Tech (Minor) Programs for the ratification of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

Members after deliberation ratified the syllabi for the 7<sup>th</sup> and 8<sup>th</sup> 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

## **MINUTES OF THE 18<sup>th</sup> ACADEMIC COUNCIL MEETING**

### **Annexure IV:**

[http://www.gmrit.org/Autonomy\\_Regulations\\_UGPrograms\\_2021.pdf](http://www.gmrit.org/Autonomy_Regulations_UGPrograms_2021.pdf)

### **Annexure V:**

[http://www.gmrit.org/Autonomy\\_Regulations\\_PGPrograms\\_2021.pdf](http://www.gmrit.org/Autonomy_Regulations_PGPrograms_2021.pdf)

### **Annexure VI:**

[http://www.gmrit.org/resources/CSE-AI&DS\\_Course\\_Structure.pdf](http://www.gmrit.org/resources/CSE-AI&DS_Course_Structure.pdf)

### **Annexure VII:**

[http://www.gmrit.org/resources/CSE-AI&ML\\_Course\\_structure.pdf](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_AR19.pdf)

[http://www.gmrit.org/resources/B.Tech\\_Civil\\_Syllabus\\_AR20.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_AR20.pdf)

[http://www.gmrit.org/resources/B.Tech\\_Chem\\_Syllabus\\_AR19.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_AR20.pdf)

[http://www.gmrit.org/resources/B.Tech\\_CSE\\_Syllabus\\_AR19.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_AR20.pdf)

[http://www.gmrit.org/resources/B.Tech\\_IT\\_Syllabus\\_AR19.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_AR20.pdf)

[http://www.gmrit.org/resources/B.Tech\\_ECE\\_Syllabus\\_AR19.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_AR20.pdf)

[http://www.gmrit.org/resources/B.Tech\\_EEE\\_Syllabus\\_AR19.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_AR20.pdf)

[http://www.gmrit.org/resources/B.Tech\\_Mech\\_Syllabus\\_AR19.pdf](http://www.gmrit.org/resources/B.Tech_Mech_Syllabus_AR19.pdf)



## MINUTES OF THE 20<sup>th</sup> 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 19<sup>th</sup> academic council meeting and received the confirmation for the minutes of 19<sup>th</sup> academic council meeting held on 06<sup>th</sup> June 2023 from all the esteemed members.

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 1<sup>st</sup> to 8<sup>th</sup> 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 (1<sup>st</sup> semester to 8<sup>th</sup> 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 1<sup>st</sup> to 4<sup>th</sup> semesters and who have fulfilled the M.Tech requirements and eligible for the issue of Provisional certificate.

The members reviewed the results (1<sup>st</sup> semester to 4<sup>th</sup> 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 7<sup>th</sup> & 8<sup>th</sup> semesters of CSE-AIML & CSE-AIDS as per AR21 academic regulations**

HOD-CSE presented the recommendations of the Board of Studies (meeting held on 16<sup>th</sup> March 2024) of CSE-(Artificial Intelligence and Machine Learning) and CSE-(Artificial Intelligence and Data Science) regarding the detailed Syllabi for 7<sup>th</sup> & 8<sup>th</sup> 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 7<sup>th</sup> and 8<sup>th</sup> semesters as per the **Annexure III**.

#### **ITEM NO.:08**

#### **Approval of the AR-23 Academic Regulations for 3<sup>rd</sup>, 4<sup>th</sup>, 5<sup>th</sup>, 6<sup>th</sup>, 7<sup>th</sup> and 8<sup>th</sup> 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.

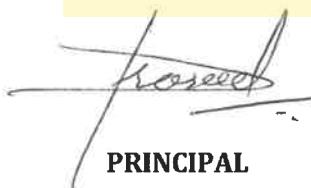
However, keeping in view the following points related the JNTUGV suggested course structure:

1. More academic load during 7<sup>th</sup> semester (21 credits)
2. Mandated FSI during 8<sup>th</sup> semester for all the students
3. No clear separation of credits for project work and FSI in 8<sup>th</sup> 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 13<sup>th</sup> 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 7<sup>th</sup> & 8<sup>th</sup> 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_AIDS_Syllabus_AR21.pdf)

[https://gmrit.edu.in/PDFs/curriculum/B.Tech\\_AIML\\_Syllabus\\_AR21.pdf](https://gmrit.edu.in/PDFs/curriculum/B.Tech_AIML_Syllabus_AR21.pdf)

**Annexure - III**

**Academic Regulations (AR-23) for 3<sup>rd</sup>, 4<sup>th</sup>, 5<sup>th</sup>, 6<sup>th</sup>, 7<sup>th</sup> and 8<sup>th</sup> semesters**

[https://gmrit.edu.in/PDFs/curriculum/B.Tech\\_AIDS\\_Syllabus\\_AR23.pdf](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_AIML_Syllabus_AR23.pdf)

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