MAHATMA GANDHI
INSTITUTE OF TECHNOLOGY (AUTONOMOUS)
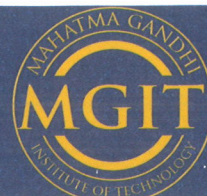
MAHATMA GANDHI INSTITUTE OF TECHNOLOGY (AUTONOMOUS)
Chaitanya Bharathi Post, Kokapet (V), Gandipet (M), Hyderabad-75.

24th September2022

Minutes of the 2nd meeting of the Academic Council of Mahatma Gandhi Institute of Technology (Autonomous), held from 11:00 AM to 01:00 PM on 24thSeptember, 2022 (Saturday) in the Conference Hall, A- Block, MGIT, Gandipet, Hyderabad – 500075 under the Chairmanship of Dr. G. ChandraMohan Reddy, Principal. The following members were present.
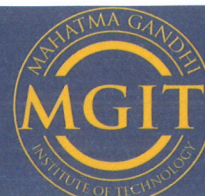
Members Present:

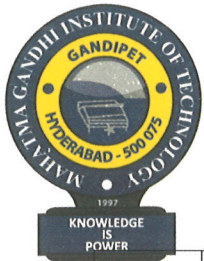| S. No.	Name of the Member	Designation	Affiliation	Status	Signature
1.	Prof. G. ChandraMohan Reddy	Principal	MGIT, Hyderabad	Chairman	
2.	Dr. V. HimaBindu	Professor, Center for Environment	JNTUH	Member	
3.	Dr. V. Parvathi	Professor & Head, Dept. of English	JNTUH	Member	
4.	Dr. B. Rama Devi	Professor & Head, Dept. of Chemistry	JNTUH	Member	
5.	Dr. S. Durga Bhavani	Professor, School of Computers & Information Sciences	UoH, Hyderabad	Member	
6.	Dr. L. Anjaneyulu	Professor, Dept. of ECE,	NIT, Warangal	Member	
7.	Dr. D. V. V Satyanarayana	Scientist 'G'	DMRL, Hyderabad	Member	
8.	Dr. Praveen Jambholkar	Director (Technical)	Cyber Motion Technologies Hyderabad	Member	
9.	Dr. K. Sudhakar Reddy	Vice-Principal, Professor & Head, Dept. of Mechanical Engineering	MGIT, Hyderabad	Member	

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10.	Dr. S.P. Singh	Professor & Head, Dept. of Electronics and Communication Engineering	MGIT, Hyderabad	Member	
11.	Dr. C. Ramesh Kumar Reddy	Professor & Head , Dept. of Computer Science Engineering	MGIT, Hyderabad	Member	
12.	Dr. D. Vijayalakshmi	Professor & Head, Dept. of Information Technology	MGIT, Hyderabad	Member	
13.	Dr. K.V. Ramana Reddy	Professor & Head, Dept. of Civil Engineering	MGIT, Hyderabad	Member	
14.	Dr. P. Venkata Ramana	Professor & Controller of Examinations	MGIT, Hyderabad	Member	
15.	Dr. K. Anakamma	Professor & In-charge, AES	MGIT, Hyderabad	Member	
16.	Dr. P. Ram Kishore Kumar Reddy	Professor & Head, Dept. of Electrical and Electronics Engineering	MGIT, Hyderabad	Member	
17.	Dr. K. Ramanjaneyulu	Associate Professor & Head, Dept. of Metallurgical & Materials Engineering	MGIT, Hyderabad	Member	
18.	Dr. S. Raji Reddy	Professor & Head, Dept. of Mathematics and Humanities	MGIT, Hyderabad	Member	
19.	Dr. M. RaviChander	Associate Professor & Head, Dept. of Physics and Chemistry	MGIT, Hyderabad	Member	

20.	Dr. M. Satyanarayana Reddy	Professor in Chemistry	MGIT, Hyderabad	Member	—
21.	Dr. P. Chandra Sheker	Assoc. Professor, Dept. of EEE	MGIT, Hyderabad	Member	*P. Chandra*
22.	Dr. G. Madhavi	Asst. Professor, Dept. of ECE	MGIT, Hyderabad	Member	*signature*
23.	Ms. D. S. Bhavani	Asst. Professor, Dept. of CSE	MGIT, Hyderabad	Member	*signature*
24.	Dr. E. Krishna Chaitanya	Asst. Professor Dept. of M&H	MGIT, Hyderabad	Member Secretary	*signature*

At the outset, the Principal and Chairman of Academic Council, Dr. G. ChandraMohan Reddy and Vice-Principal, Dr. K. Sudhakar Reddy have wholeheartedly welcomed all the members of the Academic Council and the Principal delivered a brief presentation about the Institute. Further, the Principal requested all the members to actively participate, express their views and approve the items listed in the agenda.

Agenda Item No.1:

To confirm the minutes of first meeting of Academic Council (AC) held on 24th February, 2022.

Minutes: Dr. G. Chandra Mohan Reddy, the Principal and Chairman of the Academic Council briefly presented the minutes of the first meeting of Academic Council (AC) held on 24th February, 2022 to the esteemed members and the same were confirmed by the members.

Agenda Item No.2:

Ratification of revised Almanac of B.Tech and M.Tech II Semester for the academic year 2021-22.

Minutes: The Principal presented the item no 2 and the same was explained in detail by the Vice-Principal focusing on the almanac of the II semester of B.Tech and M.Tech. After the presentation, Ratification of the revised Almanac of B.Tech and M.Tech II Semester for the academic year 2021-22 was confirmed by the members.

Agenda Item No.3:

Ratification of guidelines for valuation and review of valued answer scripts of UG and PG program courses by Chief Examiner.

Minutes: The Principal presented the item no 3 and the same was elaborated by the Vice-Principal stating that guidelines for valuation and review of valued answer scripts of UG and PG courses were designed as per the JNTUH guidelines. Further, requested the members for approval and the same was confirmed by the members.

Agenda Item No.4:
Ratification of guidelines for revaluation of answer scripts of UG and PG program courses and guidelines for challenge valuation.

Minutes: The Principal presented the item no 4 and mentioned that Controller of Examinations, MGIT has visited the examination branch of JNTUH and presented the guidelines before Additional Controller of Examinations. Answering the queries raised by Dr. Ramadevi, with regard to difference between challenged valuation and 2nd revaluation (RV2), the Principal and Vice-Principal mentioned the guidelines on revaluation and clarified them and further mentioned that challenged valuation will be carried out in the presence of examiners and student. Further, they requested the members to approve and the same was confirmed by the members.

Agenda Item No.5:
Ratification for the revised SEE Question Paper Pattern for B.Tech and M.Tech II Semester Examinations of academic year 2021-22.

Minutes: The Principal presented the item no 5 and the same was explained by the Vice-Principal stating that MGIT is following the guidelines issued by JNTUH with regard to following Covid-19 pattern of examination i.e. 5 out of 8 questions to be answered by the students for Semester End Examination (SEE) Question Paper Pattern of B.Tech and M.Tech II Semester Examinations for the academic year 2021-22. Similar pattern will also be followed by the autonomous batches, as MGIT abides by the JNTUH guidelines. After presenting it, they requested the members for approval and the same was confirmed by the Council.

Agenda Item No.6:
Approval of the: i) Minutes of Departmental BoS Meetings

Minutes: The Principal presented the item no.6 and informed the respective Heads of the Departments to provide the details. All the Heads of the Departments briefly presented the Minutes of Departmental BoS meetings, as per MR-21 regulations, held during July/August, 2022 along with the salient features. Further, they requested the members to approve it and the same was approved by the council.

ii) Scheme and syllabi of V to VIII semesters of UG program offered by various departments as per MR-21 Regulations

Minutes: The Principal presented the item No. 6 and asked the respective Heads of Departments to provide the details. All the Heads of Departments briefly presented the salient features of their departments' scheme and syllabi of V to VIII semesters of UG program offered by them as per MR-21 Regulations.

Further, the Heads of Departments affirmed that their syllabus and scheme of V to VIII semesters is in tune with the JNTUH R18 syllabus and the same was approved by the respective BoS members.

Agenda Item No.7:

Approval for the proposed almanac of B.Tech. and M.Tech. III and IV semesters for the academic year 2022-23.

Minutes: The Principal presented the item No. 7 and mentioned that the almanac of B.Tech and M.Tech III and IV semesters for the academic year 2022-23 was designed based on the guidelines issued by the JNTUH. Further, the Vice-Principal presented the almanac in detail. In this regard, Dr. S. Durga Bhavani, sought clarification over why there was a delay in the commencement of classwork of M.Tech II and IV semesters and queried whether it would have a negative impact on their placements. The Principal clarified that the classwork of the II and IV semesters of the M.Tech was delayed due to the delay in the admission process and said it was the same schedule followed by the JNTUH. Further, they requested for the approval of the proposed almanac of B.Tech and M.Tech III and IV semesters for the academic year 2022-23 and the same was approved.

Agenda Item No.8:

Approval for the proposed MR-22 regulations w.e.f. the Academic Year: 2022-23 and approval of scheme and syllabus of I & II Semesters.

Minutes: The Principal presented the item No. 8 and sought approval for the proposed MR-22 regulations w.e.f. the Academic Year: 2022-23 and requested for the approval of scheme and syllabi of I & II Semesters. Further, he stated that JNTUH uploaded the scheme and syllabus of R-22 regulations approximately one week ago.

All the heads of departments went through the MR-22 regulations issued by the JNTUH and expressed their satisfaction over adopting the MR-22 guidelines of JNTUH for MGIT with effect from the academic year 2022-23. During the presentation of MR-22 regulations, Dr. S. Durga Bhavani sought clarification for the change of regulations from MR-21 to MR-22. Responding to this, the Principal mentioned that R22 regulations of JNTUH was superior and it was designed as per the guidelines of NEP-2020 of UGC and gave more emphasis on skill-oriented courses and also offered minor/honors degrees in addition to the basic B.Tech. degree. The R-22 regulations of JNTUH adopted the 60-40 evaluation system i.e. 60 marks for external examination (SEE) & 40 marks for Internal examination (CIE) replacing the existing 70-30 system of evaluation. Further, the Principal mentioned that it was beneficial to the students and also requested the members to approve it and the same was approved.

Next, the Principal requested the members to permit institute to adopt R22 as MR-22 and to authorize it to conduct individual BoS meetings for the II, III and IV years in future which will be tentatively held in December 2022 and seek the approval of the same in the subsequent Academic Council Meeting to be held in February/March, 2023. Further, he requested the members to approve it and the same was approved.

Furthering the discussion, the Principal also said that though the R22 academic regulations for M.Tech have not been uploaded or published by JNTUH, MGIT may be authorized in the course of time to adopt the R22 as MR-22 whenever JNTUH uploads or publishes the same guidelines for M.Tech. Further, he requested the members to approve it and the same was approved.

The Vice-Principal thanked JNTUH for introducing R22 academic regulations for the benefit of all the stakeholders and said that R22 was a very well-planned and organized syllabus and hence MGIT was interested in adopting the same as MR-22. While explaining agenda item No. 8, he referred to the

serial numbers 9.1 & 9.2 and said that they seemed to be stringent to some extent but felt that they were essential elements of evaluation to extract quality from the average students i.e. securing not less than 35 % (25 Marks out of 70) in the Semester End Examinations, and a minimum of 40 % (40 Marks out of 100) in the sum total of the SEE and CIE put together. Referring to the serial number 9.2 of Academic Regulations, he stated that every student must satisfy the academic requirements and should earn the credits by taking up industry oriented mini-projects, internships and seminars to secure a minimum of 40 marks.

Next, the Vice-Principal referred to the serial number 11 of Academic Regulations i.e. Evaluation-Distribution and Weightage of Marks and said it would be adopted without any deviation from the R22 of JNTUH. He said that the performance of a student in every course shall be evaluated for 100 marks each, with 40 marks allotted for Continuous Internal Evaluation (CIE) and 60 marks for Semester End Examination (SEE). The criteria are as follows:

Continuous Internal Evaluation for Theory courses: 40 Marks

The performance of a student in every subject/course (including Practicals and Project Stage I&II) shall be evaluated for 100 marks each, with 40 marks allotted for CIE (Continuous Internal Evaluation) and 60 marks for SEE (Semester End Examination).

Continuous Internal Evaluation (CIE) shall be conducted twice in a semester. Each Continuous Internal Evaluation consists of Internal Examination (25 Marks), Average of Assignment (5 Marks) and Subject Viva-Voce/PPT/Poster Presentation/Case Study (10 Marks).

In CIE, for theory subjects, during a semester, there shall be two mid-term examinations. Each Mid-Term examination (25 marks) shall consist of two parts

    a. Part-A: Objective/quiz paper for10 marks.

    b. Part–B: Descriptive paper for15 marks.

A student shall have to earn 35%, i.e. 9 marks out of 25 marks from the average of two mid–term examinations (I Mid-Term & II Mid-Term).

After presenting these, the Vice-Principal requested the members for approval and the same was approved. Next, the Vice-Principal presented the following about Evaluation of Laboratory Courses.

Evaluation of Laboratory Courses

For practical subjects there shall be a Continuous Internal Evaluation (CIE) during the semester for 40 marks and 60 marks for semester end examination. Out of the 40 marks for internal evaluation:

i. A write-up on day-to-day experiment in the laboratory (in terms of aim, components / procedure, expected outcome) shall be evaluated for **10 marks**

ii. **10 marks for viva-voce** (or) case study (or) application (or) poster presentation of the course concerned.

iii. Internal practical examinations shall be conducted by the laboratory teacher concerned after /before each mid-term examination which shall be evaluated for10 marks.

iv. There remaining **10marks** are for Laboratory Project, which consists of the Design (or) Software/Hardware Model Presentation (or) App Development(or) Prototype Presentation submission which shall be evaluated after completion of laboratory course and before semester end practical examination.

v. The Semester End Examination shall be conducted with an external examiner and the laboratory teacher. The external examiner shall be appointed by the principal among the panel submitted by the concerned chairman of Board of Studies.

vi. In the Semester End Examination held for 3 hours, total 60 marks are divided and allocated as shown below:

1. 10 marks for write-up

2. 15 marks for experiment/program

3.15 marks for evaluation of results

4. 10 marks for presentation on another experiment/program in the same laboratory Course and

5. 10 marks for viva-voce on concerned laboratory course.

After listening to the break-up of marks for labs, Dr. S. Durga Bhavani, mentioned that they follow this in reverse ratio in University of Hyderabad for lab courses i.e. 60 marks for internal exam and 40 marks for external exam because it is just one exam for three hours. Then, she suggested that it is better for lab courses to give more marks for internals and fewer marks for externals and left it open

for members to think about. Responding to this, the Vice-Principal said, in the affiliated system, all the colleges may not follow the guidelines in letter and spirit, therefore university has given more marks for external exam and few marks for internal exam. Further, he said that MGIT abides by the university norms and guidelines in this regard. Then, the Vice-Principal requested the members to approve it and the same was approved.

Later, the Vice-Principal presented the following about the evaluation of courses having only internal marks in I-Year I Semester and II- Year II Semester:

1. I Year I Semester course (*ex., Elements of CE/ME/EEE/ECE/CSE*): The internal evaluation is for 50 marks and it shall take place during I Mid-Term examination and II Mid-Term examination. The average marks of two Mid-Term examinations is the final for 50 marks. Student shall have to earn 40% i.e. 20 marks out of 50 marks from average of the two examinations. There shall be NO external evaluation. The student is deemed to have failed, if he (i) is absent as per schedule, or (ii) secures less than 40% marks in this course.

2. II Year II Semester *Real-Time (or) Field-based Research Project* course: The internal evaluation is for 50 marks and it shall take place during I Mid-Term examination and II Mid-Term examination. The average marks of two Mid-Term examinations is the final for 50 marks. Student shall have to earn 40%, i.e. 20 marks out of 50 marks from average of the two examinations. There shall be NO external evaluation. The student is deemed to have failed, if he (i) does not submit a report on the Project, or (ii) does not make a presentation of the same before the internal committee as per schedule, or (ii) secures less than 40% marks in this course.

After presenting it, the Vice-Principal requested the members for approval and the same was approved.

Further, the Vice-Principal mentioned that, as per the guidelines of the affiliating University JNTUH, MGIT would also like to award B.Tech Degree with Minor/Honors. Further, mentioned that MGIT is adopting the same guidelines as it is beneficial for the core engineering branches. Further, he said it is according to the guidelines issued by university from time to time i.e. whenever university changes guidelines for awarding Minor and Honors degree, the same will be adopted and implemented accordingly in MGIT.

After listening to it, Prof. L. Anjaneyulu, enquired whether the requirement of 18 credits for minor degree program in III & IV year was mandated by the university. Responding to this, the Vice-Principal said it is prescribed by university and AICTE. In this context, Prof. Anjaneyulu advised to reduce work load for students in the IV year and to give more importance to projects and internships.

The Principal and Vice-principal said that they will bring it to the notice of higher officials in the JNTUH and update the same in the subsequent ACM. Then, the Vice-Principal requested the members for approval of offering B.Tech Degree with Minor/Honors and the same was approved.

Furthermore, the Vice-principal requested the Heads of the Departments to make a brief presentation on the scheme of instruction and syllabus of the first semester and second semester as per the following groups. The Vice-Principal also stated that they made all the branches into two groups i.e. Group-1 and Group-2 and each group will cover all the subjects of first two semesters suggested by the university.

Group 1: (8 Non-circuit branches) – Civil Engineering, Mechanical Engineering (Mechatronics), Mechanical Engineering, Metallurgical and Materials Engineering, Electrical and Electronics Engineering and Electronics and Communication Engineering.

Group 2: (7 Circuit branches) – Computer science and Engineering, Computer Science and Business System, Computer Science and Engineering (Artificial Intelligence and Machine Learning) and Computer Science and Engineering (Data Science).

Further, the Heads of Departments briefly presented MR-22 academic regulations and explained the scheme approved in their respective BoS meetings held on 23rd September, 2022 and said they are in line with JNTUH scheme for first two semesters with effect from the academic year 2022-23. Further, the Principal presented the minutes of the Common BoS Meeting held on 23rd September, 2022 and requested for approval and the same was approved.

Dr. S. Durga Bhavani sought clarification regarding the change of regulations and the problem it creates for the students with backlogs. Responding to this, the principal and vice-principal mentioned the suggestion was well taken and further clarified that all the regular students who belong to MR21 will complete their B.Tech by 2025. They added that the same students if they have backlogs or unable to complete the course in the stipulated time of 4 years, they can take another four year time to

complete the course. The importance of equivalent subject/substitute subject and transitory guidelines of the university in this regard were explained by the Vice-Principal and said MGIT is also adopting the same for the benefit of students. After listening to the points mentioned by the Principal and the Vice-Principal, Dr. S. Durga Bhavani expressed her satisfaction.

Agenda Item No.9: Campus Placements since 1st Meeting of Academic Council.

Minutes: Referring to the Item 9, the Principal highlighted that MGIT has secured 199 placements since the first meeting of academic council held on 23rd February, 2022 and the overall count of MGIT's placements for the academic year 2021-22 is 1068. He further added that the highest annual salary package offered is Rs 70 LPA and the medium salary is Rs 4.3 LPA and the total number of companies visited MGIT campus during the A.Y. 2021-22 is 112.

After listening about the placements, the members applauded MGIT's efforts in securing maximum number of placements.

Agenda Item No.10: Notable achievements of the departments since 1st Meeting of Academic Council.

Minutes: Mentioning noteworthy achievements (Item 10), Principal stated that:

- MGIT students participated in Smart India Hackathon-2022 held at Warangal during 25-26 Aug, 2022 and bagged the first prize of Rs 1 lakh.

- The TAFRC has officially announced that MGIT has got the highest fee of Rs.1,60,000/- for B.Tech courses in Telangana with effect from the academic year 2022-23 for the block period 2022-25.

- The staff and students of various departments and NSS unit of MGIT have organized more than 100 events i.e. Conferences, Workshops, Seminars, FDPs, Webinars and Training programmes since the first Academic Council Meeting held on 23rd February, 2022.

In addition to this, many departments have signed MoUs with several organizations of repute for the benefit of the Institute.

Agenda Item No.11: Result analysis of B.Tech and M.Tech I Semester Regular Examinations held in April / May 2022.

Minutes: Regarding the Item 11, the Principal presented the pass percentage of individual departments and mentioned that the average pass percentage of all the departments is between 60% and 66% and the average pass percentage of the college is 56%. While explaining the reasons for poor percentage during Covid-19, Principal opined that the pandemic, attendance being not mandatory, coupled with online classes and offline exams have had negative impact on students' performance and the subsequent poor results. Further, he said that appropriate measures were taken in the form of conducting remedial classes.

Responding to this, the members expressed that Covid-19 was so unfortunate and it had a negative effect on education sector in general.

Agenda Item No.12: **Any other item with the permission of the Chair.**

   i. Amendment to MR-21 Academic Regulations of AY 2021-22 (Item No: 8.1 - Scheme 2 CIE) of the first Academic Council Meeting held on 23rd February, 2022 for UG & PG Courses.

Minutes: The principal requested the Vice-Principal to present any other items listed for discussion and approval. The Vice-Principal requested the members to permit MGIT to modify one of the items of MR-21 Academic Regulations with regard to Quiz on Assignment (QoA) in the Continuous Internal Evaluation (CIE) for B.Tech and M.Tech students. (30 Marks for Internal and 70 Marks for External exam and the total is 100 Marks)

The existing structure is:

QoA has 10 questions comprising MCQs/Assertion & Reasoning/True or False/Fill in the blanks and Match the following for 10 Marks.

The QoA pattern being difficult and complicated besides getting requests/negative feedback from stakeholders for change of pattern, the Principal requested the members to permit the institute to change it to the following pattern for CIE.

Proposed Format/Amendment to MR-21 Regulations: B.Tech
Descriptive: 15 Marks (3x5=15 Marks)
There shall be one question from each unit with internal choice and there could be sub questions in a given question.
Objective: 10 Marks (MCQs / Fill-in the blanks)
There shall be four questions each from first two units and two questions from the third unit.

Assignment: 5 Marks

Proposed Format/Amendment to MR-21 Regulations: M.Tech
Descriptive: 25 Marks
Question paper pattern for Internal Examination shall be as follows:
All questions are compulsory in Part-A and Part-B

Part-A: 5x2=10 Marks (from two and half units)

Part-B: 3x5=15 Marks (There shall be one question from each unit with internal choice and there could be sub questions in a given question).

Assignment: 5 Marks

CIE Total Marks: 30M

After presenting the above pattern, the Principal requested for approval of the modification/Amendment to MR 21 academic regulation with regards to CIE for B.Tech and M.Tech courses and mentioned that this proposed CIE scheme is W.E.F the AY 2022-23 for the students entering to III semester and the same is applicable up to 8th semester for the students who have already joined during A.Y 2021-22. All the members have approved the amendment.

Further, the Principal and Vice- Principal requested all the members of AC for any further suggestion and discussion for enhancing the quality of teaching & learning practices at MGIT.

Prof. Hima Bindu sought clarification over keeping the students' results in withheld mode and not promoting to next semester, if they failed to pay the college fee. Clarifying this, the Principal quoted the point 16.1of academic regulations and explained the necessary rules pertaining to withholding results and mentioned that it is done as per the guidelines of the JNTUH without any deviation.

During the final stage of the meeting, all the members expressed that all the agenda points were discussed and necessary suggestions were made.

At the end of the meeting, the Principal and Chairman of the Academic Council, Dr. G. ChandraMohan Reddy, Vice-Principal Dr. K. Sudhakar Reddy and all the members expressed their deep sense of gratitude and sincere thanks to all the members of the Academic Council for their active participation and suggestions. Dr. Krishna Chaitanya E., Member Secretary, proposed a formal vote of thanks to all the members and the meeting was concluded at 01:00 PM.

CHAIRMAN
Academic Council