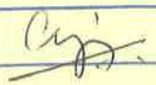

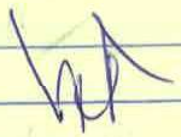

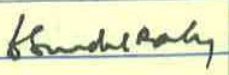
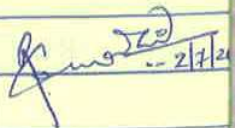
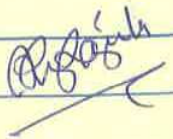



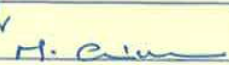




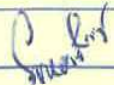
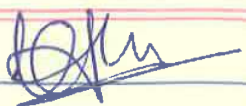
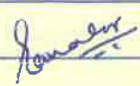
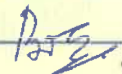


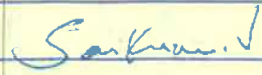


Minutes of the fourth Meeting of the Academic Council held on Saturday, 2nd July, 2016 at 10.40 AM in the Board room of MITS with the Principal Dr. C. Yuvaraj in the chair.

Sl.No	Name & Position	Designation	Signature
1.	Dr. C. Yuvaraj Principal MITS	Chairman	
2.	Mr. B.V. Krishna Rao Former Secretary, SBTET, AP	Member	
3	Dr. V.V. Kutumba Rao. Honorary Visiting Scientist DRDO, Hyderabad	Member	
4	Dr. N.V.R. Naidu Principal, MSRIT, Bangalore	Member	
5	Mr. D. Surendra Babu, Chartered Accountant, Bangalore	Member	
6.	Prof. K. Rama Naidu Director of Evaluation, JNT University, Anantapur.	Member	
7.	Prof. K. Gorinda Rajulu, Principal, JNTUCE, Pulivendula.	Member.	

8.	Dr. C. Kamal Basha Head - EEE - MITS	Member	
9.	Dr. A.R. Reddy Head - ECE - MITS	Member	AR
10.	Dr. M. Sreedevi I/c Head - CSE - MITS	Member	
11.	Dr. P. Suryanarayana Raja Head - ME - MITS	Member	
12.	Dr. Y. Amalnath Head - civil - MITS	Member	for 
13.	Dr. D. Pradeep Kumar Head - Management Studies - MITS	Member	
14.	Dr. G. Sarthoshi Head - Computer Applications - MITS	Member	
15.	Dr. M. Sudhakar Reddy Head - Mathematics - MITS	Member	
16.	Dr. Veerendra Kumar Verma Head - Physics - MITS	Member	
17.	Dr. Sovan Roy Head - Chemistry - MITS	Member	

18	Dr. B. Rasheeda Begum Head - English - MITS	Member	B Rasheeda Begum
19	Dr. R. Thulasiram Naidu Head - Humanities - MITS	Member	R. Naidu
20	Dr. S. A. K. Jilani Professor - ECE - MITS	Member	S.A.K. Jilani
21	Mr. B. Sreekanth Assistant Professor - Management Studies - MITS	Member	B. Sreekanth
22	Mr. V. Maruthi Prasad Assistant Professor Computer Applications - MITS	Member	V. Maruthi Prasad
23	Dr. G. Hampamma Vice Principal - Administration - MITS	Member Secretary	G. Hampamma
Members Absent :-			
24.	Prof. M. B. Srinivas Dean - Administration BITS Pilani - Hyderabad.	Member	
25.	Prof. A. Ananda Rao Director of Academic & Planning JNT University - Anantapur	Member	

26	Mr. V. Vamsidhar Associate professor ME - MITS	Member	
	Invitees		
27	Dr. B. Rama Kumar Vice Principal - Academics - MITS	Invitee	
28	Dr. B. Venkata Raman Dean - Research & Development - MITS	Invitee	
29	Dr. Ch. Rama Prasad Rao Dean - IIE, MITS	Invitee	
30	Dr. N. Kumara Swamy Dean - RRC - MITS	Invitee	
31	Dr. S. Prabhakar Dean - PGP, MITS	Invitee	
32	Ms. V. Sai Kumar I/c Controller of Examination MITS	Invitee	

MADNAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE

The Minutes of the Fourth Meeting of the Academic Council held on Saturday, 2nd July, 2016 at 10.40 am in the Board Room of MITS with the Principal Dr. C. Yuvaraj in the chair.

The Chairman welcomed all the members and the Member Secretary introduced them to each other.

The Council paid condolences to the former Vice-Chancellor of JNTUA Prof Krishna Gandhi whose sudden demise happened on 1.7.2016.

The Chairman presided over the meeting. At the outset, he presented the following brief report on the achievements of MITS during the academic year 2015-16:

- a. Improvement in the results and pass percentage of 2014 admitted B Tech students (autonomous batch).
 - 57.37% results in I year (2014 autonomous batch) as against 45.58% results of I year 2013 batch (JNTUA).
 - 62.11% results in II year I Sem (2014 autonomous batch) as against 45.81% results of II year I Sem 2013 batch (JNTUA).
- b. Successful implementation of the submission of assignments through Moodle with Anti-plagiarism check.
- c. Successful completion of first phase of Massive Open Online Courses by both UG & PG students during the II semester of 2015-16 academic year. 1208 students appeared for these courses and 95% results were achieved. One Mechanical Student secured 3rd place in the national level exam conducted by NPTEL.
- d. In a project competition organized by Motorola, where 350 colleges across the country participated, 31 projects were selected for final presentation. Of these 3 were from MITS one project stood 1st with a prize money of Rs. 75,000/- and another won a consolation prize money of Rs. 26,000/-
- e. Received Outstanding Engineering Institute South – 2016 award from ABP news.
- f. MITS achieved 8 R&D projects worth of Rs. 1.4 crores during 2015-16. With this the institute has accrued more than Rs. 2 crores towards 28 projects.
- g. 150 students successfully completed their first level in foreign languages.
- h. NBA committee inspected MITS during April 2016 for the grant of Reaccreditation for UG programs and the results are awaited. MITS has also applied for accreditation of PG programs & is awaiting their visit.
- i. SSR is submitted to NAAC and their visit for inspection is awaited.



- 25
- j. There is an increase in Publications of faculty, particularly in Scopus indexed journals; as such MITS also participated in the NIRF.
 - k. 8 of internal faculty are awarded with Ph.D last year.
 - l. With a recruitment of 47 Ph.D holders, there is an increase in the number of doctorates to 127 as against 80 of last year.
 - m. Placement of 430 students in various companies indicates improvement in placements.
 - n. Sports – One student for Kabaddi, 2 for cricket and 1 for fencing from the institute represented JNTUA Inter university tournaments. MITS girls stood winners in Throwball and runners in Tennikoit in SELESTA 2K16 held at SVCET College in Chittoor.
 - o. Better intake in Admissions - 2016 when compared to those of previous years.
 - The last ranker under OC category joined in Civil is 25,000 as against 110,000 of last year.
 - The last ranker under OC category joined in ECE is 20,900 as against 56,000 of last year.

Then the agenda items were taken up for discussion.

Agenda item No.1: Confirmation of the minutes of the 3rd meeting of the Academic Council held on 29th July 2015.

The minutes of the 3rd meeting of the Academic Council were confirmed.

Agenda item No. 2: Action Taken Report

During the third meeting of the Academic Council it was proposed to consider introduction of gap year concept as per university guidelines in the near future.

As this was not taken up for discussion during the entire year, there is no ATR.

Agenda item No. 3: Approval for modifications in the course structures and regulations of B. Tech – R 14.

The following changes were made in Academic Regulations and Course Structure already approved by the Council during its first meeting on 28.10.2014:

- a. **Shifting of certain courses between III & IV years of B.Tech CE, EEE and ME as proposed by their respective BoS was discussed and resolved to be accepted as laid on the table.**



• **Modifications in the course structure of CE**

1. Construction Equipment, Planning and management a course of IV Year II semester has been moved to Discipline Elective – III of IV Year I Semester
2. Airport, Railways and Waterways a Discipline Elective – III of IV Year I semester has been moved as a course to IV Year II semester with the course name Airports, Railways, Docs & Harbors
3. Quantity Surveying a course of IV Year II semester has been moved as a course of IV Year I semester
4. Environmental Pollution and Solid Waste Management a course of IV Year I semester has been moved to IV Year II semester with the course name Solid Waste Management

• **Modifications in the course structure of EEE**

1. The existing IV-Year B.Tech – II Semester courses – Artificial Intelligence and Electrical Power Utilization and Illumination are shifted to IV-Year B.Tech – I Semester.
2. The existing IV-Year B.Tech – I Semester courses – Special Electrical Machines and Power System Analysis & Control are shifted to III-Year B.Tech – II Semester.
3. The existing course in III-Year B.Tech – II Semester – Power Systems is shifted to III-Year B.Tech – I Semester in place of Microelectronic Circuits.
4. The existing Analog & Digital VLSI Design course in III-Year B.Tech – II Semester and Microelectronic Circuits course in III-Year B.Tech – I Semester are shifted to IV-Year B.Tech – II Semester.

• **Modifications in the course structure of ME**

1. Swap the courses Engineering Optimization and ICS between 3-2 and 4-1 semesters.
2. To swap the courses Industrial Engineering and Automation and Robotics between 4-1 and 4-2 semesters.
3. To swap CAD/CAM and FEM courses between 3-2 and 4-1 semesters.

b. Inclusion of the following clause in MOOCs guidelines was discussed and resolved to be accepted as laid on the table:

6.5.10. In case a student fails to complete the MOOCs he/she shall re-register for the same with any of the providers from the list provided by the department. Still if a student fails to clear the course/s, the Institution shall evaluate for the said course/s for 60 marks (scaled up to 100 marks), as per the Institution syllabi during the final year.



6.5.11. In case any provider discontinues to offer the course, Institution shall allow the student to opt for any other provider from the list provided by the department, for completion of the same.

c. Reconsideration of promotion rules

The modifications in the minimum academic requirements as mentioned below were proposed and the same were resolved to be accepted.

8. Minimum Academic Requirements

Students need to acquire necessary credits to get promoted to the subsequent academic year in addition to the attendance requirements mentioned in section no.5.

- 8.1** The minimum letter grade required for pass in each theory/practical/Seminar/Project work is "P" (internal evaluation + End Semester Examination). However a minimum of 40% marks in each theory/practical in the end semester examination have to be secured.
- 8.2** If a student found to be guilty due to malpractice in the end semester examinations, he/she shall be awarded a letter grade "F".
- 8.3** A student shall be promoted from II to III year only if he/she acquires 40% of the credits from the courses that have been studied up to II year I semester from the following examinations, irrespective of whether the candidate takes the end semester examination or not as per the normal course of study.
 - a.** One regular and three supplementary examinations of I Year I Semester.
 - b.** One regular and two supplementary examinations of I Year II Semester.
 - c.** One regular and one supplementary examination of II year I semester
- 8.4** A student shall be promoted from III to IV year only if he/she acquires 40% of the credits from the courses that have been studied up to III year I semester from the following examinations, irrespective of whether the candidate takes the end semester examination or not as per the normal course of study.
 - a.** One regular and five supplementary examinations of I year I semester.
 - b.** One regular and four supplementary examinations of I year II semester.
 - c.** One regular and three supplementary examinations of II year I semester.
 - d.** One regular and two supplementary examinations of II year II semester.
 - e.** One regular and one supplementary examination of III year I semester.
- 8.5** In case a student is detained due to lack of required credits for promotion to the next academic year, he/she needs to obtain the same by taking the supplementary examinations.
- 8.6** Students, who fail to earn 180 credits as indicated in the course structure within eight academic years from the year of their admission, shall forfeit their seat in B.Tech. Programme and their admission shall stand cancelled.

d. Inclusion of the following clause for Soft Skills in the academic regulations was discussed and resolved to be accepted as laid on the table:

6.7.2. Soft Skills

6.7.2.1 The relative weightage for internal evaluation and end semester examination shall be 40% and 60% respectively.

6.7.2.2 Out of 40 marks allotted for internal evaluation, the day to day oral presentations of the students during practice hours, shall be evaluated for 20 marks by the course instructor concerned. The remaining 20 marks shall be awarded on the basis of two mid-term tests. The duration of mid-term test shall be 1 hour and 30 minutes. Student shall answer four questions (out of six) each carrying five marks. First mid-term test shall be conducted for I & II units of syllabus and second mid-term test shall be conducted for III, IV & V units. The average marks secured from I & II mid-term tests shall be the final mid-term marks.

6.7.2.3 In the end semester examination there shall be 5 questions, either-or type, of 12 marks each. 5 Questions shall cover one unit each with internal choice. The duration of External exam shall be 3 hours.

e. Conversion of SGPA/CGPA to Percentage

It was proposed to apply the formula as mentioned below to convert Semester Grade Point Average (SGPA)/ Cumulative Grade Point Average (CGPA) into percentage.

SGPA to Percentage = $(\text{SGPA} - 0.5) \times 10$

CGPA to Percentage = $(\text{CGPA} - 0.5) \times 10$

The same was discussed and resolved to be accepted.

Agenda item No. 4: The following modifications in the relative weightage given to internal and external evaluation for courses in the PG programmes – M.Tech, MBA, MCA and Integrated programmes were proposed; the same were discussed and resolved to be accepted.

The performance of the candidate in each semester shall be evaluated course wise, for a maximum of 100 marks for Theory and 100 marks for practicals, on the basis of Internal Evaluation and End Semester Examination.

4.1 For the theory courses 50 marks will be for the End Semester Examination.

While 30 marks will be for Internal tests, based on two Mid Term-tests held, one in the middle of the Semester (I-II units) and another immediately after the completion of instruction (III, IV & V) units with three questions to be answered out of four in 2 hours, evaluated for 30 marks. Both tests shall carry equal weightage.

Another 20 marks will be based on submission of four assignments (5marks each). The first and second assignments are to be submitted before I Mid-Term Examination and the third and fourth assignments are to be submitted before II Mid-Term Examination.

4.2 For practical courses, 50 marks shall be for the End Semester Examinations and 50 marks will be for internal evaluation based on the day to day performance.

4.3 For Seminar there will be an internal evaluation of 100 marks. A candidate has to secure a minimum of Grade D to be declared successful. The assessment will be made by a board consisting of HOD and two internal experts at the end of IV semester instruction.

4.4 The minimum letter grade required for pass in each theory/practical course is "P" (internal evaluation + End Semester Examination). However, in the end semester examination for a course (theory/practical) it is mandatory to secure a minimum of 40% of the total marks.

4.5 In case the candidate does not secure the minimum academic requirement in any of the courses (as specified in 4.4.) he has to reappear for the Semester Examination either Supplementary or regular in that course, or repeat the course when next offered or do any other specified course as may be required.

4.6 In case any student is unable to appear at any one of the two mid-term tests in any theory course for genuine reasons (for example; medical), the Principal, Head of the department and concern faculty at their discretion may permit the conduct of one additional mid-term test after the second mid-term test in that course only after satisfying himself of the genuineness of the reason given by the student supported by appropriate documentation.

Agenda item No. 5: Ratification of R16 Regulations for M. Tech

The new R16 regulations proposed for M.Tech programmes were discussed and resolved to be accepted. Document appended.

Agenda item No. 6: Ratification of new course structure, syllabus and R16 Regulations for MBA

The new R16 regulations proposed for MBA programme were discussed and resolved to be accepted. Document appended.

Agenda item No. 7: Ratification of new course structures, syllabus and R 16 Regulations for MCA

The new R16 regulations proposed for MCA programmes were discussed and resolved to be accepted. Document appended.

Agenda item No. 8: Norms for Award of Ranks: The following conditions for award of ranks were discussed and resolved to be accepted.



- Ranks are awarded based on the CGPA secured by the candidates for all the courses from first to final year,

Provided the candidate has:

- Completed the entire programme in the college itself (excluding MOOCs).
 - Passed all the courses in first attempt only.
 - Not discontinued the programme for any period during the course of study.
 - Not been awarded any punishment for being involved in malpractice or indiscipline during the course of study in the Institute.
- In case, more than one student secures same CGPA, then first rank shall be awarded based on:
 - Student who secured more number of letter grade “O”, “A+” and so on in decrementing order of grades.
 - After applying the above clause, if a tie still exists, then all such students shall be awarded the same rank.
 - Certificate and medal/award shall be given to such students as an appreciation for their achievement.

Agenda item No. 9: Revision - Grading & Award of Class

It was proposed to revise grading and award of class, the same was discussed and resolved as mentioned below.

B.Tech Programmes - Award of Class

- Existing System

Class	CGPA	Based on the aggregate of grades secured from the total Credits.
First Class with Distinction	≥ 8	
First Class	$\geq 7.0 \ \&\lt; \ 8.0$	
Second Class	$\geq 6.0 \ \&\lt; \ 7.0$	
Pass Class	$\geq 4.0 \ \&\lt; \ 6.0$	

- Revised System

Class	CGPA	Based on the aggregate of grades secured from the total Credits.
First Class with Distinction	≥ 7.5 & 10.0	
First Class	≥ 6.5 & < 7.5	
Second Class	≥ 5.5 & < 6.5	
Pass Class	≥ 4.0 & < 5.5	

PG Programmes - Grading Tabulation

- Existing System

Letter Grade	Grade points	Absolute marks
O (Outstanding)	10	90 - 100
A+ (Excellent)	9	80 - 89
A (Very Good)	8	70 - 79
B+ (Good)	7	65 - 69
B (Above Average)	6	60 - 64
C (Average)	5	55 - 59
P (Pass)	4	50 - 54
F (Fail)	0	< 50
Ab (Absent)	0	

Class	CGPA	Based on the aggregate of grades secured from the total Credits.
First Class with Distinction	≥ 8.0	
First Class	≥ 6.0 & < 8.0	
Second Class	≥ 4.0 & < 6.0	

- Revised System

Letter Grade	Grade points	Absolute marks
O (Outstanding)	10	90 - 100
A+ (Excellent)	9	80 - 89
A (Very Good)	8	70 - 79
B+ (Good)	7	65 - 69
B (Above Average)	6.5	60 - 64
C (Average)	6	55 - 59
P (Pass)	5.5	50 - 54
F (Fail)	0	< 50
Ab (Absent)	0	

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Class	CGPA	Based on the aggregate of grades secured from the total Credits.
First Class with Distinction	≥ 7.5 & 10.0	
First Class	≥ 6.5 & < 7.5	
Second Class	≥ 5.5 & < 6.5	

The following proposals were made for implementation in due course of time:

- To conduct a root-cause analysis to find the hurdles in achieving more than 75-80% results in First B Tech and solutions to overcome them.
- To constitute Board of Examiners for all departments.
- To constitute Moderation Committees with internal faculty as members and on receiving complaints, if any, implement moderation post examination and before evaluation.
- To introduce the concept of "Challenge Evaluation".
- To provide photo copies of answer scripts to students, on request, by charging a fee of Rs.200/- per script.
- To eventually work for the preparation of Question Bank for each course.

The meeting was concluded with a vote of thanks by the Member Secretary.

These Minutes are issued with the approval of the Chairman.



(Sd) Dr. G. Hampamma

Member Secretary



PRINCIPAL

PRINCIPAL

Madanapalle Institute of Technology & Science

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