

Date: 27/06/15

Maharaja Vijayarajam Garudathar Raj College of Engineering,  
Vizianagaram Mr. Academic Council Meeting held in  
the Institution Premises on 27<sup>th</sup> June, 2015 at 2:30 PM.

Members Present

- (1) Dr. K.V.L. Ravi - Chairman  
Principal
- (2) Dr. B. Prabhakara Rao - Member  
Rector, JNTUK, Kakinada
- (3) Dr. P. Udaya Bhaskar - Member  
Director - Academic & Planning  
JNTUK, Kakinada
- (4) Dr. CH. Sai Babu - Member  
Director - Evaluation  
JNTUK, Kakinada
- (5) Mr. A. Mahan Fernando - Member  
Head - HR Mobilization Cell (HRMC)  
Corporate Centre, I & T Construction  
CRP Centre, 3rd Floor, Chennai - 600089
- (6) Dr. J. S. N. Raju - Member  
Chairman - ~~ETET~~ JSMP  
The Institution of Engineers (India)  
A.P. State Centre

(7) Mr. G. Shiv Kumar — Member  
CEO  
Maple Software Pvt. Ltd  
Vidyalakshmi

(8) Dr. A. Srinivas Kumar — Member  
Associate Director  
NSTL, Vidyalakshmi  
22/6/11

(9) Ms. Revathi Kasturi — Member  
CEO  
LAKSH Job Skills Academy Ltd  
Bangalore  
Revathi Kasturi

(10) Prof. D. J. T. Ramachandra Rao — Member  
vice-principal (Admin.)

(11) Dr. C. H. Purushachandra Rao — Member  
AUC Principal (Academic)

(12) Dr. B. Ramiah — Member  
Dean - R&D

(13) Dr. P. Ravindranath — Member  
Dean - Strategic Planning

(14) Dr. M. Sunil Prakash — Member  
Dean - Training and Placement  
PG Programs

(15) Dr. T.V.N. Partha Sarathi - Member  
Dean - Examinations

(16) Dr. S. Srinivas Rao - Member  
Dean - Student Affairs

(17) Dr. S. Adinarayana - Member  
HOD - Mechanical Engg.

(18) Dr. K.S.S. Rama Raju - Member  
HOD - MBA

(19) Dr. R. Ramana Reddy - Member  
HOD - ECE

(20) Dr. V. Nagesh - Member  
HOD - IT

(21) Prof. P. Siltarama Raju - Member  
HOD - CSE

(22) Dr. D.K. Mohanta - Member  
HOD - EEE

(23) Dr. S.S.S.V. Gopala Raju - Member  
HOD - Civil Engg.

(24) Dr. Ch.V. Subba Rao - Member  
HOD - Chemical Engg.

(25) Dr. G. Sivivaka Reddy. — Member  
HOD - physics

(26) Dr. P. Govinda Rao — Member  
HOD - Mathematics

(27) Mr. S. Mohan Kumar — member  
HOD - English & Humanities

(28) Dr. Y. M. C. Sekhar — member Secretary  
vice-principal (Academic)

(29) Mr. N. Ganapathi — Member  
Sr. Manager, HR, Infosys, Chennai.



## Minutes of meeting of Academic Council

A Meeting of the Academic Council is held on 27.06.2015 at 2.30PM at Conference hall, Admin. Block. The following were present:

1. Dr. K. V. L. Raju  
Principal  
Chairman
2. Dr. B. Prabhakara Rao  
Rector, JNTUK, Kakinada  
Member
3. Dr. P. Udaya Bhaskar  
Director – Academics & Planning, JNTUK, Kakinada  
Member
4. Dr. Ch. Sai Babu  
Director – Evaluation, JNTUK, Kakinada  
Member
5. Mr. A. Mohan Fernando  
Head - HR Mobilization Cell (HRMC), Corporate Centre  
L & T Construction, CRR Centre, Third Floor, Chennai.  
Member
6. Dr. I. S. N. Raju  
Chairman – Elect  
The Institution of Engineers (India), A. P. State Centre  
Member
7. Mr. G. S. Shiv Kumar  
CEO, Maple Software Pvt. Ltd, Visakhapatnam  
Member
8. Dr. A. Srinivasa Kumar  
Associate Director, NSTL, Visakhapatnam  
Member
9. Miss. Revathi Kasturi  
CEO, Laqsh Job skills Academy Ltd, Bangalore  
Member
10. Mr. Viswanadhan  
Senior Manager, HR, Wipro, Chennai.  
Member



11. Prof. D. J. J. Ramachandra Raju Vice-Principal (Administration)	Member
12. Dr. Ch. Purnachandra Rao Asst. Principal (Academics)	Member
13. Dr. R. Ramesh Dean – R & D	Member
14. Dr. P. Ravindranath Dean – Strategic Planning	Member
15. Dr. M. Sunil Prakash Dean – Training & Placement and PG Programs	Member
16. Dr. T. V .N. Partha Sarathi Dean – Examinations	Member
17. Dr. S. Srinivasa Rao Dean – Student Affairs	Member
18. Dr. S. Adinarayana HOD – Mechanical	Member
19. Dr. K. S. S. Rama Raju HOD – MBA	Member
20. Dr. R. Ramana Reddy HOD – ECE	Member
21. Dr. V. Nagesh HOD – IT	Member
22. Prof. P. Sitharama Raju HOD – CSE	Member
23. Dr. D. K. Mohanta HOD – EEE	Member
24. Dr. S. S. S. V. Gopala Raju HOD – Civil	Member
25. Dr. Ch. V. Subba Rao HOD – Chemical	Member
26. Dr. G. Srinivasa Reddy HOD – Physics	Member



- |   |                  |
|---|------------------|
| 27. Dr. P. Govinda Rao<br>HOD – Mathematics           | Member           |
| 28. Mr. S. Mohan Kumar<br>HOD – English               | Member           |
| 29. Dr. Y. M. C. Sekhar<br>Vice-Principal (Academics) | Member Secretary |

Dr. K V L Raju, Chairman (AC) and Principal chaired the meeting and welcome dall the members to the first Academic Council meeting of MVGR College of Engineering. He introduced the external members of Academic Council Dr. P. Udaya Bhaskar, DAP, JNTUK, Dr. I. S. N. Raju, Chairman, IEI, Mr. G. S. Shiv Kumar, CEO, Mapple Software, Dr. A. Srinivasa Kumar, Associate Director, NSTL, and Miss. Revathi Kasturi, CEO, Laqsh Job skills Academy Ltd. All the internal members of the Institution have introduced themselves.

After introduction, the discussion is started on the following agenda:

1. To review and ratify the nomination of BoS members
2. To review the status of current academic programs
3. To review the current staff status
4. To review access to e-learning and library resources
5. To discuss the co curriculum activities with regard to
  - ❖ MoUs with industries
  - ❖ Certification program
  - ❖ Internships
  - ❖ Professional club activities
  - ❖ Soft skills, aptitude and personality development training program
6. To discuss the extra-curricular activities such as sport/NCC/NSS/Cultural and other promotional activities
7. To record motivational initiatives
  - Gold medals
  - Academic Awards
  - Student incentives
  - Sponsorship of student projects



8. To discuss the recommendations of the BoS on
  - ❖ Academic Regulations
  - ❖ Curriculum
  - ❖ Syllabus
  - ❖ Teaching learning process
  - ❖ Evaluation ,assessment methods, procedures
9. To discuss and ratify the minutes of meeting of all the BoS
10. To discuss and recommend introduction of new programs/additional intake/closure
11. To discuss and review recent circulars/notifications from regulating bodies / Universities / State Government
12. Any other item with permission of the chair

### The minutes of meeting:

- 1) To review and ratify the nomination of BoS members

The nomination of BoS members reviewed and ratified. The details of BoS members have been presented. List is enclosed as annexure-I

- 2) To review the status of current academic programs

The programs offered by the institution are given below.

<u>B.Tech. PROGRAMS</u>	<u>INTAKE</u>
➤ Chemical Engineering	: 60
➤ Computer Science & Engineering	: 180
➤ Civil Engineering	: 120
➤ Electronics & Communication Engineering	: 180
➤ Electrical & Electronics Engineering	: 120
➤ Information Technology	: 60
➤ Mechanical Engineering	: 180





## M.Tech. PROGRAMS

❖	Machine Design	: 18
❖	Computer Science & Engineering	: 18
❖	VLSI	: 18
❖	Computer Networks & Information Security	: 18
❖	Structural Engineering	: 18
❖	Power Systems	: 18

## Other PG PROGRAMS

➤	Master of Computer Applications	: 60
➤	Master of Business Administration	: 120

## Ph.D.

Mechanical, Chemical, ECE & CSE

The status of current academic programs is reviewed and recorded

- 3) To review the current staff status

The faculty strength is 249 out of which 56 are Ph.D. holders, 8 faculty members have submitted Ph.D. and 68 are pursuing Ph.D.

Qualification	Ph.D.	PhD Submitted	Ph.D. pursuing	M.Tech. / P.G	B.Tech.	Total
<i>Number</i>	56	08	68	95	22	249

Professor	Associate Professor	Sr. Assistant Professor	Assistant Professor
38	37	09	165

Reviewed and recorded



- 4) To review access to e-learning and library resources

The details are furnished below.

<b>Titles</b>	<b>Volumes</b>	<b>Average Users per Day</b>	<b>Total Area in Sqms</b>
<b>15094</b>	<b>53038</b>	<b>310</b>	<b>867</b>

### E-BOOKS

- ❖ McGRAW-HILL-365 nos
- ❖ ASTM Digital Library-1700

### E-JOURNALS

- IEEE
- SPRINGER(Electrical& Electronics)-134
- SPRINGER (Mechanical)-46
- ASCE (Civil Engineering)-34
- ELSEVIER (Science Direct)-275,

### ARTICLE DATABASE

- ❖ J-GATE Engg. – 1,763
- ❖ J-GATE Management– 2128)

Reviewed and recorded

- 5) To discuss the co curricular activities with regard to
- MoUs with industries
  - Certification program
  - Internships
  - Professional club activities
  - Soft skills, aptitude and personality development training program



The members appreciated the MoUs with industries and certification programs being offered by the institution. The following certification programs are offered by the institution.

S.No.	Department	Name of the Program
1	MECH	Windchill 10.2 PDM by Adroitec Engineering Solutions Pvt. Ltd., Hyderabad
2	MECH	Creo 2.0 by PTC
3	MECH	Edgecam by Verosoft, UK
4	CHEM	Chemical Process Design and Simulation by Simtech Simulations, Hyderabad
5	ECE	Embedded Systems by ThinkLABS, Mumbai
6	ECE	Labview by National Instruments Systems India Pvt. Ltd.
7	ECE	Unified Technology Learning Program (UTLP) by Wipro Mission 10X
8	CSE, IT	PEGA by Virtusa Corporation
9	CSE, IT	Microsoft technologies by Microsoft Corp.
10	CSE, IT	Ethical Hacking by EC-Council Academia
11	CSE, IT	Java and C by Talent Sprint
12	CSE, IT	Network Analyst (CCNA) by Cisco Systems Inc
13	CSE, IT	Java Programming (OCJP) and DBMS by Oracle
14	EEE	PLC, Drives and Automation by Siemens
15	EEE	PLC by New Dawn Automation
16	Civil	Remote Sensing and GIS by Indian Institute of Remote Sensing

With respect to the Soft skills, aptitude , personality development training program and internships the following suggestions are made:

- ❖ Miss. Revathi has suggested that Soft skills, aptitude and personality development training program may start in the I year itself. The details of student training beginning with I year have been presented and resolved to recommend improvements in line with the suggestions.
- ❖ Dr A S Kumar suggested to start the project work in the VI semester and encourage the students to go for internship. The institution is already allocating the guide at the end of VI semester and problem is defined by the students in the VII semester.



- 6) To discuss the extra-curricular activities such as sport/NCC/NSS/Cultural and other promotional activities
- The institution is an authorized Centre for NCC unit with capacity of 100 cadets and
  - Also having NSS unit. About 125 students are registered as volunteers and are actively participating in social services. In addition to that there is a voluntary body called FYFP (For the Youth For the People) which is adopting the villages and conducting health awareness programs, adult literacy programs etc.
  - The training programs are conducted on music, singing and dance by cultural committee. About 60 students are registered for training.

Current practices were presented,

- 7) To record motivational initiatives
- ❖ Gold medals
    - The college over the last 15 years awarding gold medals to the first rank of each program of UG.
  - ❖ Academic Awards
    - All the meritorious candidates securing top ranks in their respective classes will be given academic awards.
      - a) An amount of Rs.35,000 is reimbursed for I ranker
      - b) An amount of Rs.23,333 is reimbursed for II ranker
      - c) An amount of Rs.11,667 is reimbursed for III ranker
  - ❖ Student incentives
    - Students are encouraged to participate in work shops, conferences, paper presentations etc. by paying TA, DA and registration fee.
  - ❖ Sponsorship of student projects
    - The Institution is sponsoring minimum 50% of expenditure for student projects who are participating in national level competitions like Bajaa, Supra etc. An amount of Rs.6,68,000 was sponsored by the institution.



Discussed and recorded.

- 8) To discuss the recommendations of the BoS on
- Academic Regulations
  - Curriculum
  - Syllabus
  - Teaching learning process
  - Evaluation ,assessment methods, procedures

With respect to the above the following suggestions are made:

- ❖ Ms. Revathi has suggested that the number of open electives can be increased. Also, suggested to incorporate the MAT Lab in the curriculum for all the programs. However, it is offered as open elective by EEE department.
- ❖ Dr I S N Raju has suggested to incorporate Construction Management course as an elective in the Civil Engineering Program.
- ❖ Dr. A Srinivasa Kumar has appreciated about the introduction of foreign language as an audit course.
- ❖ Mr. Shiv Kumar has suggested to create awareness among the students on Payment Gateway, Storage Technologies and Smart City related technologies. Also opined that if the project is done in an industry with the help of external guide, then the project shall be evaluated by both internal and external guide.
- ❖ Dr. P Udayabhaskar has suggested the following.
  - a. The number of credits for M.Tech Program shall be increased and give more credits to Project.It is resolved to increase the number of credits for M.Tech. Program from 70 credits to 80 credits and the project credits from 20 credits to 24 credits.
  - b. The number of credits for M. B. A. Program shall be increased.It is resolved to increase the number of credits for M.B.A. Program from 77 credits to 80 credits.



- c. For the Project evaluation, the internal and external component shall be 40% and 60% of the marks respectively for all programs. It is resolved to revise the internal and external component of project evaluation as 40% & 60% of the marks respectively and the same has been incorporated.
- d. It is also resolved to invite the industry guide as one of the examiner for evaluation of project if the project is done at industry.
- e. For promotion of B.Tech. students from IV semester to V semester and from VI semester to VII semester, consider the 50% of credits upto IV & VI semester respectively. It is resolved to consider the 50% of credits upto IV & VI semester for promotion of B.Tech students into V and VII semester respectively and the same has been incorporated.
- f. It was suggested to remove the time period constraint for Re-admission of students. It is resolved to remove the time period constraint for Re-admission of students and the same has been incorporated.
- g. Change the CGPA for pass class of B.Tech., from 4.5 to 4.0. It is resolved to revise the CGPA for pass class of B.Tech., from 4.5 to 4.0 and the same has been incorporated.
- h. Use the word supplementary examinations in place of Make up examinations and was suggested not to specify the time period constraint for conduct of supplementary examinations. It is resolved to change the word make up examinations with supplementary examinations and the same has been incorporated.
- i. Remove the provision for transfer of candidates from the colleges of affiliating University and other Universities. It is resolved to remove the provision for transfer of candidates from the colleges of affiliating University and other Universities and the same has been incorporated.
- j. Question bank shall be updated periodically. It is resolved to update the Question bank periodically.



The suggestions were incorporated and final Academic regulations for B.Tech., M.Tech and MBA were furnished below.

## Academic Regulations for B.Tech. Program

Applicable to the students admitted from the Academic year 2015-2016 onwards.

### 1. COURSE PATTERN:

**B.Tech. :** The program is for 4 academic years with 8 semesters.

**B.Tech. (Lateral Entry):** The program is for 3 academic years with 6 semesters.

### 2. AWARD OF DEGREE:

#### **B.TECH:**

A student will be declared eligible for the award of degree if he fulfills the following academic regulations.

- A student shall be declared eligible for the award of degree, if he/she pursues a course of study for not less than four academic years and not more than eight academic years from the date of admission.
- The student shall register for 180 credits and secure all 180 credits.
- A student shall also register and successfully complete audit programs (Non-credit) as recommended by Academic Council.
- A student on completing 1<sup>st</sup> year class work may opt for a break of 1 year which shall be deemed as GAP year, as recommended by APSCHE, for undertaking successful entrepreneurial ventures.
- Students who fail to complete their Four Years Course of study within 8 years shall forfeit their seat and their admission shall stand cancelled.

#### **B.TECH (Lateral Entry):**

A student will be declared eligible for the award of degree if he fulfills the following academic regulations.

- A student shall be declared eligible for the award of the degree, if he/she pursues a course of study for not less than three academic years and not more than six academic years.
- The student shall register for 138 credits and secure all 138 credits.
- A student shall also register and successfully complete audit programs (Non-credit) as recommended by Academic Council.
- Students who fail to complete their three Years Course of study within 6 years shall forfeit their seat and their admission shall stand cancelled.
- Student shall register for bridge programs, as administered by the respective departments at the beginning of 2<sup>nd</sup> year and successfully complete as per the



guidelines of the institution.

### 3. DISTRIBUTION AND WEIGHTAGE OF MARKS:

#### B.TECH:

a). All Theory courses are assessed for 100 marks with a split of 40 marks for internal assessment and 60 marks for semester end external examination.

- Two internal assessments tests (90 min each), for each theory course are conducted over the period of the semester, one in the middle and the other at the end and the performances are averaged for 30 marks.
- An internal assessment test shall have 3 questions each for 10 marks, all questions to be answered.
- A student shall be assessed for two assignments/surprise test/quiz or a combination each for 5 marks and for a total of 10 marks.
- External examination is for 60 marks (180 min). Question paper contains 7 questions at least 1 question from each unit. Each question carries 12 marks. A student is expected to answer any 5 questions.

#### b). Laboratory/Practice:

All Laboratory/Practice courses are assessed for 100 marks with a split of 40 marks for internal assessment and 60 marks for semester end external examination.

- Continuous assessment for 20 marks for each experimental session finally averaged to 20 marks.
- An internal assessment test conducted at the end of the semester shall be assessed for another 20 marks where a student is expected to perform at least one laboratory test/experiment over duration of 3 hours.
- External examination is for 60 marks (180 min) conducted and assessed by an external and internal examiners.
- Both internal and external examination shall include assessment of the student on
  - a) Knowledge of principles/concepts involved
  - b) Experimental design
  - c) Result interpretation and analysis
  - d) Experimental report

#### c). Drawing/Design/Estimation:

These courses are assessed for 100 marks with a split of 40 marks for internal assessment and 60 marks for semester end external examination.

- Continuous assessment for 20 marks for each unit finally averaged to 20 marks.
- Two internal assessment tests are conducted during the semester which shall be assessed for another 20 marks by taking the average.





## d) Project Evaluation:

- A student shall take a project during the eighth semester.
- Project is evaluated for 200 marks.
- A student shall report to the guide/external supervisor and work under his supervision at least 10 hours per week.
- Also, a student shall engage a minimum of 10 hours per week in the directed study/learning a modern tool/self-learning (referencing etc.)/periodic report writing/conduct of experiments/tests/fabrication together.
- Evaluation shall comprise of internal and external assessment.

Internal:	80
External:	120
- A project committee comprising of HoD, department Academic Coordinator, R&D member of the department, one senior faculty and guide shall review the progress once in four weeks.
- Internal evaluation shall be done by HoD, department Academic Coordinator, R&D member of the department, one senior faculty and guide for 80 marks.
- External evaluation shall be done by HoD, Guide/Internal Examiner and External Examiner for 120 marks.
- Assessment shall be on:
  - a) Problem definition
  - b) Literature review
  - c) Review on fundamental knowledge involved
  - d) Inter disciplinary aspect
  - e) Experimental/methodology design
  - f) Result analysis and interpretations
  - g) Report writing
  - h) Team work
  - i) Presentation
  - j) Viva-voce

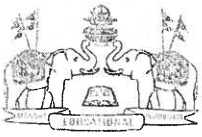
## B.TECH (Lateral Entry):

The rules and regulations for candidates admitted under lateral entry category for 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> years of study shall be same as applicable to regular B.Tech students.

## 4. ATTENDANCE REGULATIONS:

### B.TECH:

1. A student shall be eligible to appear for end semester examinations, if he or she acquires a minimum of 75% of attendance in aggregate of all the subjects (Theory



& Lab.) for the semester.

- II. A Student shall not be promoted to the next semester unless he/she fulfills the attendance requirement of the current semester.
- III. A student may seek re- admission for that semester when offered.
- IV. To appear for end laboratory examination a candidate shall put up a minimum of 75% attendance for regular lab sessions and should have completed all the laboratory experiments/tests along with submission of record complete in all respects.

### **B.TECH (Lateral Entry):**

The rules and regulations for candidates admitted under lateral entry category for 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> years of study shall be same as applicable to regular B.Tech students.

## **5. MINIMUM ACADEMIC REQUIREMENTS:**

### **B.TECH:**

- i. A student is deemed to have satisfied the minimum academic requirements if he has earned the credits allotted and secures at least 24 marks out of 60 marks at semester end examination and overall 40 marks out of 100 marks put together both internal and semester end examinations.
- ii. A student shall be promoted from IV semester to V semester if he fulfills the academic requirement of 50% of credits up to IV semester from the following examinations irrespective of whether the candidate takes the examination or not.
  - a) Two regular and Two supplementary examinations of I semester
  - b) Two regular and One supplementary examinations of II semester
  - c) One regular examination and One supplementary examination of III semester
  - d) One regular examination of IV semester.
- iii. A student shall be promoted from VI semester to VII semester subject to fulfillment of the academic requirement of 50% of credits up to VI semester from the following examinations irrespective of whether the candidate takes the examination or not.
  - a) Three regular and Three supplementary examinations of I semester
  - b) Three regular and Two supplementary examinations of II semester
  - c) Two regular and Two supplementary examinations of III semester
  - d) Two regular and One supplementary examinations of IV semester
  - e) One regular and One supplementary examination of V semester
  - f) One regular examination of VI semester.

### **B.TECH (Lateral Entry):**

- i) A student is deemed to have satisfied the minimum academic requirements if he has earned the credits allotted and secures at least 24 marks out of 60 marks at semester end examination and overall 40 marks out of 100 marks put together both internal





9. Probability & Statistics
10. Complex variables & Statistical Methods

### List of Audit courses:

1. Professional Ethics & IPR
2. Soft Skills-I
3. Soft Skills-II
4. General Aptitude
5. NSS/NCC/Sports/Cultural/Yoga
6. Health and Nutrition
7. Entrepreneurship Development
8. Foreign Language (Chinese/Japanese/Korean/German/French)

\*For all the programs offered, in the list of courses for electives one of the choices would be "MOOCs". Each department shall short list MOOCs course(s) meeting the requirements of course duration, credits, etc., from time to time. The same shall be placed in the immediate BoS meeting for ratification.

## 7. GRADING SYSTEM:

### B.Tech./ B.Tech.(Lateral Entry)

Performance of a student is evaluated in terms of earned credit weighed marking system. Earned credits are defined as the sum of course credits in which grade points above a certain cut off have been obtained for declaring student pass in that course

- Points earned in a semester:

$\Sigma$  (course credits earned x Grade points)

Semester Grade Point Average (SGPA) for the current semester which is calculated on the basis of grade points obtained in all courses, except audit courses and courses in which satisfactory or course continuation has been awarded,

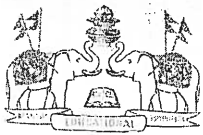
$$\text{SGPA} = \frac{\Sigma(\text{course credits earned} \times \text{Grade points})}{\Sigma(\text{Total course credits in the semester})}$$

Cumulative Grade Point Average (CGPA) is calculated on the basis of all pass grades obtained in all courses, except audit courses, obtained in all completed semesters

$$\text{CGPA} = \frac{\Sigma(\text{course credits earned} \times \text{Grade points}) \text{ over all semesters}}{\Sigma(\text{Total course credits in all the semesters})}$$

The UGC recommends a 10-point grading system with the following letter grades as given below:

O	(Outstanding)	10
A+	(Excellent)	9
A	(Very Good)	8



B+	(Good)	7
B	(Above Average)	6
C	(Average)	5
P	(Pass)	4
F	(Fail)	0
Ab	(Absent)	0

A student obtaining Grade F shall be considered failed and will be required to reappear in the examination.

### Illustration of Computation of SGPA and CGPA and Format for Transcripts

Computation of SGPA and CGPA

#### Illustration for SGPA

Course	Credit	Grade Letter	Grade point	Credit Point (Credit x Grade)
Course 1	3	A	8	3 X 8 = 24
Course 2	4	B+	7	4 X 7 = 28
Course 3	3	B	6	3 X 6 = 18
Course 4	3	O	10	3 X 10 = 30
Course 5	3	C	5	3 X 5 = 15
Course 6	4	B	6	4 X 6 = 24
	<b>20</b>			<b>139</b>

Thus,  $SGPA = 139/20 = 6.95$

#### Illustration for CGPA

<b>Semester 1</b> Credit : 20 SGPA: 6.9	<b>Semester 2</b> Credit : 22 SGPA: 7.8	<b>Semester 3</b> Credit : 25 SGPA: 5.6	<b>Semester 4</b> Credit : 26 SGPA: 6.0	<b>Semester 5</b> Credit : 26 SGPA: 6.3	<b>Semester 6</b> Credit : 25 SGPA: 8.0
<b>Semester 7</b> Credits: 23 SGPA: 8.2	<b>Semester 8</b> Credits: 13 SGPA: 8.5				

Thus,  $CGPA = 20 \times 6.9 + 22 \times 7.8 + 25 \times 5.6 + 26 \times 6.0 + 26 \times 6.3 + 25 \times 8.0 + 23 \times 8.2 + 13 \times 8.5$

180

= 7.05





## 8. ELIGIBILITY FOR AWARD OF DEGREE:

### B.Tech:

A student shall be eligible for award of the degree if he/she fulfils the following conditions:

- 1) Success fully completes all the courses prescribed for the Program.
- 2) CGPA greater than or equal to 4.0(Minimum requirement for Pass).
- 3) Should have cleared all dues.
- 4) Complied with all the rules and regulations during the period of study governing satisfactory conduct.

## 9. AWARD OF CLASS:

### B.Tech:

Candidates who are eligible for the award of B.Tech. Degree shall be placed in one of the following Classes based on CGPA.

Class	CGPA
Distinction	$\geq 7.5$
First Class	$\geq 6.5$
Second Class	$\geq 5.5$
Pass class	$\geq 4.0$

\*subject to approvals from College BoS, Academic council and Affiliating University, a candidate who acquired 12 credits more than the minimum (180) required during the period of four years study may be considered for the award of B.Tech (Hons).

10. **INSTRUCTION DAYS:** A semester shall have a minimum of 90 clear instruction days.

11. There shall be no **branch transfer** after completion of the admission process.

### 12. SUPPLEMENTARY EXAMINATIONS:

Supplementary examinations shall be conducted in addition to regular examinations for every semester.

13. **WITHHOLDING OF RESULTS:** The result of the student will be withheld

- If the student has not paid the dues, if any, to the institution
- If any case of pending of disciplinary action against him,
- Involving in any sort of malpractices etc.

### 14. TRANSITORY REGULATIONS:

- A candidate joining the institution on transfer from other institutions shall submit a record/history of courses of semesters already completed elsewhere prior to seeking such transfer.
- Board of Studies of the department may accept/reject such request for transfer





depending on compatibility of the program.

- For accepted cases, the Board of Studies shall recommend equivalency of courses and also additional equivalent (substitute) courses if any to be taken up for the award of degree for all prospective courses leading to the completion of the program.
- Only candidates who have fulfilled the academic/course work requirements up to the previous semester shall be considered for admission on transfer.
- Student seeking admission on transfer should have cleared backlog subjects of previous semesters at the parent college.
- Admission on transfer may be taken only on the payment of prescribed fee prevailing at the time.

### 15. AMENDMENTS TO REGULATIONS:

The Academic Council of MVGR College of Engineering (Autonomous) reserves the right to revise, amend, change or nullify the Regulations, Schemes of Examinations, and/ or Syllabi or any other such matter relating to the requirements of the program which are compatible to the contemporary/emerging trends effectively meeting the needs of society/industry/stake holding groups.

### 16. Guide lines for MALPRACTICES during the conduct of examinations

	Nature of Malpractices/Improper conduct	Punishment
1	(a) If the candidate possesses or keeps accessible in examination hall, any paper, note book, programmable calculators, Cell phones, pager, palm computers or any other form of material concerned with or related to the subject of the examination (theory or practical) in which he is appearing but has not made use of (material shall include any marks on the body of the candidate which can be used as an aid in the subject of the examination)	Expulsion from the examination hall and cancellation of the performance in that subject only. *
(b)		
2	If the candidate has copied in the examination hall from any paper, book, programmable calculators, palm computers or any other form of material relevant to the subject of the examination (theory or practical) in which the candidate is appearing.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted to appear for the remaining examinations of the subjects of that Semester/year. The Hall Ticket of the candidate is to be cancelled. *
3	If the candidate impersonates any other candidate in connection with the examination.	The candidate who has impersonated shall be expelled from examination hall. The candidate is also debarred and





# MVGR College of Engineering (Autonomous)

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Listed U/S 2(f) & 12 (B) of the UGC Act 1956

College  
Code

33

		forfeits the seat. The performance of the original candidate, who has been impersonated, shall be cancelled in all the subjects of the examination (including practicals and project work) already appeared and shall not be allowed to appear for examinations of the remaining subjects of that semester/year. The candidate is also debarred for two consecutive semesters from class work and all University examinations. The continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of seat. If the imposter is an outsider/candidate not on rolls, he will be handed over to the police and a case is registered against him. *
4	If the candidate mishandles the Answer book or additional sheet or takes out or arranges to send out the question paper during the examination or answer book or additional sheet, during or after the examination. Also if the answer script is mutilated / damaged disturbing the shape, of the script, answers, the bar code intentionally.	Expulsion from the examination hall and cancellation of performance in that subject and all the other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester. He shall be debarred from class work and all examinations and be allowed to reregistered for the next subsequent odd or even semester only. The continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of seat.*
5.	Uses objectionable, abusive or offensive language in the answer paper or in letters to the examiners or writes to the examiner requesting him to award pass marks.	The same should be brought to the notice of CE who in turn in consultation with malpractice committee makes decision for cancellation of the performance in that subject. *
6.	Refuses to obey the orders of the Chief Superintendent/Assistant – Superintendent / any officer on duty or misbehaves or creates disturbance of any kind in and around the examination hall or organizes a walk out or instigates others to walk out, or threatens the officer-in-charge or any person on duty in or outside the examination hall of any injury to his person or to any of his relations whether by words, either spoken or written or by signs or by visible representation, assaults the officer-in-charge, or any person on duty in or outside the examination hall or any of his relations, or indulges in any other act of misconduct or mischief which result in damage to or destruction of property in the examination hall or any part of the College campus or engages in any other act which in the opinion of the officer on duty amounts to use of unfair means or misconduct or has the tendency to disrupt the orderly conduct of the	In case of students of the college, they shall be expelled from examination halls and cancellation of their performance in that subject and all other subjects the candidate(s) has (have) already appeared and shall not be permitted to appear for the remaining examinations of the subjects of that semester. The candidates also are debarred and forfeit their seats. In case of outsiders, they will be handed over to the police and a police case is registered against them. *







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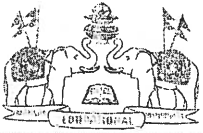
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examination.		
7.	Leaves the exam hall taking away answer script or intentionally tears of the script or any part thereof inside or outside the examination hall.	Expulsion from the examination hall and cancellation of performance in that subject and all the other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The candidate is also debarred for two consecutive semesters from class work and all University examinations. The continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of seat. *
8.	Possess any lethal weapon or firearm in the examination hall.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The candidate is also debarred and forfeits the seat. *
9.	If student of the college, who is not a candidate for the particular examination or any person not connected with the college indulges in any malpractice or improper conduct mentioned in clause 6 to 8.	Student of the colleges expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester. The candidate is also debarred and forfeits the seat. Person(s) who do not belong to the College will be handed over to police and, a police case will be registered against them. *
10	Comes in a drunken condition to the examination hall.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester. *
11	Copying detected on the basis of internal evidence, such as, during valuation or during special scrutiny.	Cancellation of the performance in that subject and all other subjects the candidate has appeared including practical examinations and project work of that semester/year examinations.*

\*





## 17. General :

- Wherever the words “he”, “him”, “his”, occur in the regulations, they include “she”, “her”, “hers”.
- The academic regulation should be read as a whole for the purpose of any interpretation.
- In the case of any doubt or ambiguity in the interpretation of the above rules, the decision of the Vice-Chancellor is final.
- The University may change or amend the academic regulations or syllabi at any time and the changes or amendments made shall be applicable to all the students with effect from the dates notified by the University.

## Academic Regulations for M.Tech. Programmes

Applicable to the students admitted from the Academic year 2015-2016 onwards.

### 1. COURSE PATTERN:

- The program is for 2 academic years with 4 semesters.

### 2. AWARD OF DEGREE:

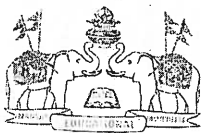
A student will be declared eligible for the award of degree if he/she fulfills the following academic regulations.

- a) A student shall be declared eligible for the award of the degree, if he/she pursues a course of study for not less than Two academic years and not more than Four academic years.
- b) The student shall register for 80 credits and secure all 80 credits.
- c) Students who fail to complete their Two Years Course of study within Four years shall forfeit their seat and their admission shall stand cancelled.

### 3. DISTRIBUTION AND WEIGHTAGE OF MARKS:

- a) All Theory courses are assessed for 100 marks with a split of 40 marks for internal assessment and 60 marks for semester end external examination.
  - Two internal assessments tests (90 min each), for each theory course are conducted over the period of the semester, one in the middle and the other at the end and the performances are averaged for 30 marks.
  - An internal assessment test shall have 3 questions each for 10 marks, all questions to be answered.
  - A student shall be assessed for two assignments/seminars or a combination each for 5 marks and for a total of 10 marks.
  - External examination is for 60 marks (180 min). Question paper contains 7





questions at least 1 question from each unit. Each question carries 12 marks. A student is expected to answer any 5 questions.

## b) Laboratory/Practice:

All Laboratory/Practice courses are assessed for 100 marks with a split of 40 marks for internal assessment and 60 marks for semester end external examination.

- Continuous assessment for 20 marks for each experimental session finally averaged to 20 marks.
- An internal assessment test conducted at the end of the semester shall be assessed for another 20 marks where a student is expected to perform at least one laboratory test/experiment over duration of 3 hours or project based assessment.
- External examination is for 60 marks (180 min) conducted and assessed by an external and internal examiners.
- Both internal and external examination shall include assessment of the student on
  - a) Knowledge of principles/concepts involved
  - b) Experimental design
  - c) Result interpretation and analysis
  - d) Experimental report

## c) Drawing/Design/Estimation:

These courses are assessed for 100 marks with a split of 40 marks for internal assessment and 60 marks for semester end external examination.

- Continuous assessment for 20 marks for each unit finally averaged to 20 marks.
- Two internal assessment tests are conducted during the semester which shall be assessed for another 20 marks by taking the average.

## d) Project Evaluation:

Duration is TWO semesters -40 weeks are mandatory to submit.

- PRC includes HOD and two other senior faculties, one being the guide.
- To register for project work, a student shall complete all the course work requirements of I and II semesters.
- The progress of the work shall be periodically reviewed by PRC.
- The PRC shall authorise /approve change of guide/topic/title as deemed fit.
- A student shall submit Status Report in line with the recommended project calendar as approved by PRC.
- Student has to submit draft copy of thesis/dissertation to PRC, and also shall make an oral presentation. He/she shall publish the work in journal or international conference of repute and relevance.
- A student shall make 5 copies of PRC approved draft copy of the work and submit.
- Candidates who have successfully passed all the I and II semester courses shall be eligible for submitting the thesis.



- The thesis shall be adjudicated by the internal and external examiners in the presence of Head of the department.
- Student shall be examined for his contributions, knowledge along with the quality of the work through presentations and Viva-voce.
- The assessment of work shall be done on the following lines:
  - Directed study/self study (Pre-requisite) shall be evaluated internally for 50 marks by PRC at the end of III semester
  - Research Methodology shall be evaluated internally for 50 marks by PRC at the end of III semester
  - Comprehensive Viva-Voce shall be evaluated internally for 50 marks by PRC in the III semester
  - Seminar shall be evaluated internally for 50 marks by PRC in the III semester
  - Project phase I which includes Problem definition, Literature survey, tool specific knowledge shall be evaluated internally for 100 marks by PRC at the end of III semester
  - Project phase II shall be evaluated for 300 marks at the end of IV semester. Out of 300 marks, 150 marks shall be evaluated internally by PRC and remaining 150 marks shall be evaluated externally by the internal and external examiner.
  - The evaluation of Project phase II shall be made on the following aspects.
    - i) Experimental/methodology design
    - ii) Result analysis and interpretations
    - iii) Report writing
    - iv) Presentation
    - v) Viva-voce

#### 4. ATTENDANCE REGULATIONS:

- I. A student shall be eligible to appear for end semester examinations, if he or she acquires a minimum of 75% of attendance in aggregate of all the subjects (Theory & Lab.) for the semester.
- II. A Student shall not be promoted to the next semester unless he/she fulfills the attendance requirement of the current semester.
- III. A student may seek re- admission for that semester when offered a least one week ahead of the commencement of class work.
- IV. To appear for end laboratory examination a candidate shall put up a minimum of 75% attendance for regular lab sessions and should have completed all the laboratory experiments/tests along with submission of record complete in all respects.



## 5. MINIMUM ACADEMIC REQUIREMENTS:

A student is deemed to have satisfied the minimum academic requirements if he has earned the credits allotted and secures at least 24 marks out of 60 marks at semester end examination and overall 50 marks out of 100 marks put together both internal and semester end examinations.

## 6. COURSE STRUCTURE:

### M.TECH:

The total course will consist of the following components.

a) Core Mandatory(Theory)	CM	21-27 credits
b) Core Mandatory(Lab)	CM(L)	02-06 credits
c) Core Elective (Theory)	CE(T)	15-21 credits
d) Comprehensive Viva voce	CV	01-03 credits
e) Self Study(Prerequisite)	SS	01-03 credits
f) Seminar	SE	01-03 credits
g) Research methodologies	RM	01-02 credits
h) Project phase 1	PR	06-12 credits
i) Project phase 2	PR	09-15 credits

\*For all the programs offered, in the list of courses for electives one of the choices would be "MOOCs". Each department shall short list MOOC's course/(s) meeting the requirements of course duration, credits, etc., from time to time. The same shall be placed in the immediate BoS meeting for ratification.

## 7. ABOUT GRADING SYSTEM:

Performance of a student is evaluated in terms of earned credit weighed marking system. Earned credits are defined as the sum of course credits in which grade points above a certain cut off have been obtained for declaring student pass in that course.

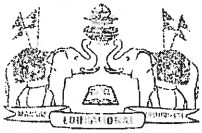
• Points earned in a semester:

$\Sigma$  (course credits earned x Grade points)

Semester Grade Point Average (SGPA) for the current semester which is calculated on the basis of grade points obtained in all courses, except audit courses and courses in which satisfactory or course continuation has been awarded.

$SGPA = \frac{\Sigma(\text{course credits earned} \times \text{Grade points})}{\Sigma(\text{Total course credits in the semester})}$

Cumulative Grade Point Average (CGPA) is calculated on the basis of all pass grades obtained in all courses, except audit courses, obtained in all completed semesters.



**CGPA =  $\Sigma$  (course credits earned x Grade points) over all semesters /  $\Sigma$  (Total course credits in all the semesters).**

The UGC recommends a 10-point grading system with the following letter grades as given below:

O	(Outstanding)	10
A+	(Excellent)	9
A	(Very Good)	8
B+	(Good)	7
B	(Above Average)	6
C	(Average)	5
P	(Pass)	4
F	(Fail)	0
Ab	(Absent)	0

- A student obtaining Grade F shall be considered failed and will be required to reappear in the examination.

### Illustration of Computation of SGPA and CGPA and Format for Transcripts

Computation of SGPA and CGPA

#### Illustration for SGPA

Course	Credit	Grade Letter	Grade point	Credit Point (Credit x Grade)
Course 1	3	A	8	3 X 8 = 24
Course 2	4	B+	7	4 X 7 = 28
Course 3	3	B	6	3 X 6 = 18
Course 4	3	O	10	3 X 10 = 30
Course 5	3	C	5	3 X 5 = 15
Course 6	4	B	6	4 X 6 = 24
	<b>20</b>			<b>139</b>

Thus, **SGPA = 139/20 = 6.95**

#### Illustration for CGPA

Semester 1	Semester 2	Semester 3	Semester 4
Credit: 20	Credit: 22	Credit: 25	Credit: 26
SGPA: 6.9	SGPA: 7.8	SGPA: 5.6	SGPA: 6.0

$$\text{Thus, CGPA} = \frac{20 \times 6.9 + 22 \times 7.8 + 25 \times 5.6 + 26 \times 6.0}{80} = 7.57$$

## 8. ELIGIBILITY FOR AWARD OF DEGREE:

A student shall be eligible for award of the degree if he/she fulfills the following conditions:

- 1) Success fully completes all the courses prescribed for the Program.
- 2) CGPA greater than or equal to 5.5(Minimum requirement for Pass).
- 3) Should have cleared all dues.
- 4) Complied with all the rules and regulations during the period of study governing





satisfactory conduct.

## 9. AWARD OF CLASS:

The candidates who are eligible for the award of M.Tech./MBA Degree shall be placed in one of the following Classes based on CGPA.

Class	CGPA
Distinction	$\geq 7.5$
First Class	$\geq 6.5$
Pass Class	$\geq 5.5$

**10. INSTRUCTION DAYS:** A semester shall have a minimum period of 90 clear instruction days.

## 11. SUPPLEMENTARY EXAMINATIONS:

Supplementary examinations shall be conducted along with regular examinations for every semester.

**12. WITHHOLDING OF RESULTS:** The result of the student will be withheld

- If the student has not paid the dues, if any, to the institution
- If any case of pending disciplinary action against him,
- Involving in any sort of malpractices etc.

## 13. TRANSITORY REGULATIONS:

- A candidate joining the institution on transfer from other institutions shall submit a record/history of courses of semesters already completed elsewhere prior to seeking such transfer.
- Board of Studies of the department may accept/reject such request for transfer depending on compatibility of the program.
- For accepted cases, the Board of Studies shall recommend equivalency of courses and also additional equivalent (substitute) courses if any to be taken up for the award of degree for all prospective courses leading to the completion of the program.
- Only candidates who have fulfilled the academic/course work requirements up to the previous semester shall only be considered for admission on transfer.
- Student seeking transfer has to clear all his/her backlog subjects of previous semesters by appearing the supplementary examinations, conducted by the affiliated/other university.
- Admission on transfer may be taken only on the payment of prescribed fee prevailing at the time.



## 14. AMENDMENTS TO REGULATIONS:

The Academic Council of MVGR College of Engineering (Autonomous) reserves the right to revise, amend, change or nullify the Regulations, Schemes of Examinations, and/ or Syllabi or any other such matter relating to the requirements of the program which are compatible to the contemporary/emerging trends effectively meeting the needs of society/industry/stake holding groups.

### Academic Regulations for MBA Program

Applicable to the students admitted from the Academic year 2015-16 onwards.

#### 1. COURSE PATTERN:

The program is for 2 academic years with 4 semesters.

#### 2. AWARD OF DEGREE:

A student will be declared eligible for the award of degree if he/she fulfills the following academic regulations.

- a) A student shall be declared eligible for the award of the degree, if he/she pursues a course of study for not less than Two academic years and not more than Four academic years.
- b) The student shall register for 80 credits and secure all 80 credits.
- c) Students who fail to complete their Two Years Course of study within Four years shall forfeit their seat and their admission shall stand cancelled.

#### 3. DISTRIBUTION AND WEIGHTAGE OF MARKS:

- a) All Theory courses are assessed for 100 marks with a split of 40 marks for internal assessment and 60 marks for semester end external examination.
  - Two internal assessments tests (120 min each), for each theory course are conducted over the period of the semester, one in the middle and the other at the end and the performances are averaged for 20 marks.
  - An internal assessment test shall have 4 questions each for 5 marks. all questions to be answered.
  - 20 marks is allotted for Mini Report (10marks for preparation of Report and 10 marks for presentation in the class room) in the respective subject.
  - External examination is for 60 marks (180 min). Question paper contains 7 questions at least 1 question from each unit. Each question carries 12 marks. A student is expected to answer any 5 questions.







## b) Laboratory/Practice:

All Laboratory/Practice courses are internally assessed for 50 marks.

The assessment shall be done on the following aspects.

- a) Knowledge of principles/concepts involved
- b) Experimental design
- c) Result interpretation and analysis
- d) Experimental report

## c) Project Evaluation:

- A student shall take a project at the end of II semester.
- A Project Review Committee (PRC) is constituted at the end of the second semester.
- PRC includes HOD and two other senior faculties, one being the guide.
- To register for project work, a student shall complete all the course work requirements of I and II semesters.
- The progress of the work shall be periodically reviewed by PRC.
- The PRC shall authorise /approve change of guide/topic/title as deemed fit.
- A student shall submit Status Report in line with the recommended project calendar as approved by PRC.
- Project is evaluated for 200 marks at the end of IV semester.
- A student shall report to the guide/external supervisor and work under his supervision at least 30 hours per week for 6 weeks at the end of second semester.
- Also, a student shall engage a minimum of 2 hours per week in III and IV semester in consolidating the data, report writing, results & analysis, conclusions etc. Evaluation shall comprise of internal and external assessment.

Internal: 80

External: 120

- A project committee comprising of HoD, department Academic Coordinator, R&D member of the department, One senior faculty and guide shall review the progress once in four weeks.
- Internal evaluation shall be done by HoD, department Academic Coordinator, R&D member of the department. One senior faculty and guide for 80 marks.
- External evaluation shall be done by HoD, Guide/Internal Examiner and External Examiner for 120 marks.
- Assessment shall be on:
  - a. Problem definition
  - b. Literature review
  - c. Review on fundamental knowledge involved
  - d. Inter disciplinary aspect



- e. Experimental/methodology design
- f. Result analysis and interpretations
- g. Report writing
- h. Presentation
- i. Viva-voce

#### d. Comprehensive Viva-Voce:

Comprehensive Viva-Voce shall be evaluated for 50 marks by PRC in the II semester.

#### 4. ATTENDANCE REGULATIONS:

- I. A student shall be eligible to appear for end semester examinations, if he or she acquires a minimum of 75% of attendance in aggregate of all the subjects (Theory & Lab.) for the semester.
- II. A Student shall not be promoted to the next semester unless he/she fulfills the attendance requirement of the current semester.
- III. A student may seek re- admission for that semester when offered a least one week ahead of the commencement of class work.
- IV. To appear for end laboratory examination a candidate shall put up a minimum of 75% attendance for regular lab sessions and should have completed all the laboratory experiments/tests along with submission of record complete in all respects.

#### 5. MINIMUM ACADEMIC REQUIREMENTS:

A student is deemed to have satisfied the minimum academic requirements if he has earned the credits allotted and secures at least 24 marks out of 60 marks at semester end examination and overall 50 marks out of 100 marks put together both internal and semester end examinations.

#### 6. COURSE STRUCTURE:

The total course structure will consist of the following components.

a) Foundation courses	FM	15-21 credits
b) Core Mandatory(Theory)	CM	21-27 credits
c) Lab courses	FL	02-04 credits
d) Core Elective (Theory)	CE	15-21 credits
e) Open Elective	OE	06-12 credits
f) Comprehensive Viva-Voce	CV	01-02 credits
g) Project	PR	06-09 credits

\*For the program offered, in the list of courses for Open electives one of the choices would be "MOOCs". The department shall short list MOOCs course/(s)





meeting the requirements of course duration, credits, etc., from time to time. The same shall be placed in the immediate BoS meeting for ratification.

## 7. ABOUT GRADING SYSTEM:

Performance of a student is evaluated in terms of earned credit weighed marking system. Earned credits are defined as the sum of course credits in which grade points above a certain cut off have been obtained for declaring student pass in that course

- Points earned in a semester:

$\Sigma$  (course credits earned x Grade points)

Semester Grade Point Average (SGPA) for the current semester which is calculated on the basis of grade points obtained in all courses, except audit courses and courses in which satisfactory or course continuation has been awarded.

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Cumulative Grade Point Average (CGPA) is calculated on the basis of all pass grades obtained in all courses, except audit courses, obtained in all completed semesters

$$CGPA = \frac{\Sigma(\text{course credits earned} \times \text{Grade points}) \text{ over all semesters}}{\Sigma(\text{Total course credits in all the semesters})}$$

The UGC recommends a 10-point grading system with the following letter grades as given below:

O	(Outstanding)	10
A+	(Excellent)	9
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C	(Average)	5
P	(Pass)	4
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A student obtaining Grade F shall be considered failed and will be required to reappear in the examination.

## Illustration of Computation of SGPA and CGPA and Format for Transcripts

### Computation of SGPA and CGPA

### Illustration for SGPA

Course	Credit	Grade	Grade	Credit Point
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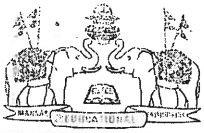
- 1) Successfully completes all the courses prescribed for the Program.
- 2) CGPA greater than or equal to 5.5 (Minimum requirement for Pass).
- 3) Should have cleared all dues.
- 4) Complied with all the rules and regulations during the period of study governing satisfactory conduct.

## 9. AWARD OF CLASS:

The candidates who are eligible for the award of M.Tech./MBA Degree shall be placed in one of the following Classes based on CGPA.

Class	CGPA
Distinction	$\geq 7.5$
First Class	$\geq 6.5$
Pass Class	$\geq 5.5$

**10. INSTRUCTION DAYS:** A semester shall have a minimum period of 90 clear instruction days.



## 11. SUPPLEMENTARY EXAMINATIONS:

Supplementary examinations shall be conducted along with regular examinations for every semester.

## 12. WITHHOLDING OF RESULTS: The result of the student will be withheld

- If the student has not paid the dues, if any, to the institution
- If any case of pending disciplinary action against him.
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- For accepted cases, the Board of Studies shall recommend equivalency of courses and also additional equivalent (substitute) courses if any to be taken up for the award of degree for all prospective courses leading to the completion of the program.
- Only candidates who have fulfilled the academic/course work requirements up to the previous semester shall only be considered for admission on transfer.
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- 9) To discuss and ratify the minutes of meeting of all the BoS.

Discussed and ratified. The details have been presented.

- 10) To discuss and recommend introduction of new programs/additional intake/closure

It is resolved to

- ❖ Propose introduction of Ph,D programs in Civil Engineering and Electrical & Electronics Engineering and MBA.
- ❖ Propose introduction of M.Tech. (Aeronautical Engineering).

- 11) To discuss and review recent circulars/notifications from regulating bodies/Universities/State Government

Reviewed and recorded.

  
(Dr. Y M C Sekhar)  
Member Secretary

  
(Dr. K V L Raju)  
Chairman