

GUDLAVALLERU ENGINEERING COLLEGE

(An Autonomous Institute with Permanent Affiliation to JNTUK, Kakinada)


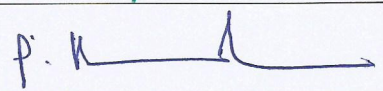
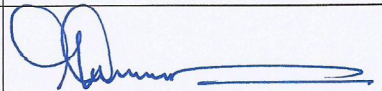
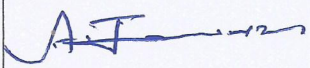
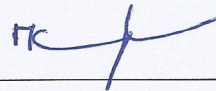
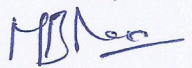
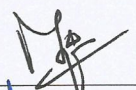
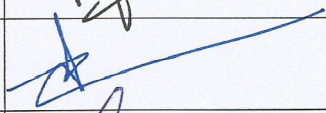
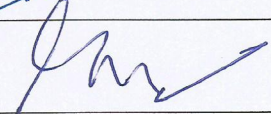
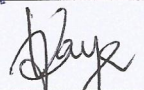
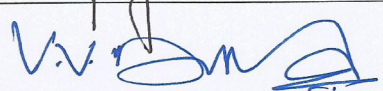
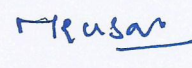
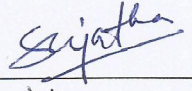
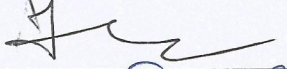
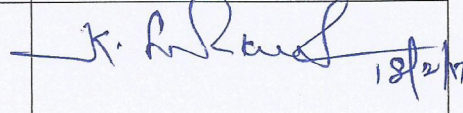
Seshadri Rao Knowledge Village

Gudlavalleru – 521 356, Krishna District, Andhra Pradesh


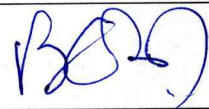
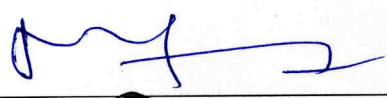
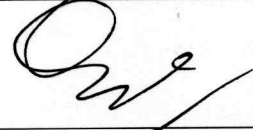

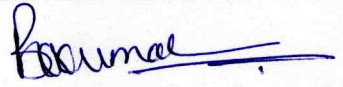
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The **Eighth Meeting of Academic Council** of Gudlavalleru Engineering College (Autonomous), Seshadri Rao Knowledge Village, Gudlavalleru is held today i.e. 18-02-2017 (Saturday) at 10-30 AM in the Management's Conference Hall of the college under the Chairmanship of Dr. P. Nageswara Reddy, Principal of the College.

MEMBERS PRESENT:

Sl. No.	Name of the Member	Designation	Signature
1	Dr. P. Nageswara Reddy Principal	Chairman	
2	Dr. P. Kodanda Rama Rao Professor & HoD of CE	Member	
3	Dr. M. Siva Kumar Professor & HoD of EEE	Member	
4	Dr. A. Jawahar Babu Professor & HoD of ME	Member	
5	Dr. M. Kamaraju Professor & HoD of ECE	Member	
6	Dr. M. Babu Rao Professor & HoD of CSE	Member	
7	Dr. M. V. L. N. Raja Rao Professor & HoD of IT	Member	
8	Dr. Ch. Nirmal Chand Professor & HoD of MBA	Member	
9	Dr. G. S. Bhaskara Rao Professor of Mathematics & HoD of BS&H	Member	
10	Dr. M. Vijaya Lakshmi Associate Professor & HoD of English	Member	
11	Dr. V. V. K. D. V. Prasad Professor of ECE	Member	
12	Dr. M. R. Ch. Sastry Professor of ME	Member	
13	Mrs. Ch. Sujatha Associate Professor of EEE	Member	
14	Mr. A. H. L. Swarup Sr.Gr.Asst.Professor of CE	Member	
15	Dr. K. Lal Kishore Director, R&D, CVR College of Engg., Hyderabad Former Vice – Chancellor, JNTUA, Ananthapur, Former Rector, JNTUH, Hyderabad	Member	

(Contd.....2)

16	Dr. D. V. L. N. Somayajulu Professor of CSE, NIT, Warrangal	Member	
17	Dr. B. G. Barki Professor of Education & Former Director of NITTTR, Chennai	Member	
18	Dr. Parimi S.R. Professor of Civil Engineering and Structural Engg. Consultant, Vijayawada,	Member	
19	Dr. Ramanujam Parthasarathy Professor of English, G3, Sreeja Apartments, Srinivasa Nagar Bank Colony, Vijayawada.	Member	
20	Dr. J. S. R. K. Prasad CEO, Better Castings Pvt. Limited, JRD Tata Industrial Estate, Gantivari Street, Christurajapuram, Kanuru, Vijayawada - 520 007.	Member	
21	Mr. Jaya Rama Krishna Nutulapati Client Partner & Principal Consultant, Tata Consultancy Services, Hyderabad,	Member	could not attend
22	Dr. Ch. Satyanarayana Professor of CSE and Director, Academics & Planning, JNTUK, Kakinada	Member	could not attend
23	Prof. P. Subba Rao Professor of Civil Engineering, Director of Evaluation, JNTUK, Kakinada.	Member	could not attend
24	Dr. G. Abbaiah Professor of Civil Engineering, University College of Engineering, JNTUK, Kakinada.	Member	could not attend.
25	Dr. B. Karuna Kumar Professor of ME and Dean Planning & Monitoring	Member Secretary	

GUDLAVALLERU ENGINEERING COLLEGE

Seshadri Rao Knowledge Village, GUDLAVALLERU – 521 356

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Minutes of the Eighth Meeting of the Academic Council held on 18-02-2017, Saturday in the Management Conference Hall.

8.1 To discuss and approve the revised course structures of UG & PG programs and provide broad guidelines to various Boards of Studies for revision of curriculum to be effective from the academic year 2017-18.

After welcoming the honourable members of Academic Council, Principal presented the salient points of revised course structures of UG – B.Tech programs and sought the opinions of the members of the Academic Council. Following are the opinions expressed by the independent members of the Academic Council:

- i) Mr. J. S. R. K. Prasad, representative from industry expressed concern over the comprehension and communication capability of majority of graduates coming out of professional colleges and who are recruited as engineers in the industry. He suggested that the department of English and the College should focus on it and introduce relevant curriculum as part of English language courses to strengthen comprehensive abilities and communication skills of the students.
- ii) Dr. Ramanujam Parthasarathy, Director, English Language Teaching Center, explained the members the modifications made in the new curriculum of English with main focus on task based and activity oriented learning. Further, the mentor and mentee program, few trained students as mentors and others as mentees, that was introduced during the last two years has lot of impact in improving the expressive capabilities of the students besides enhancing problem solving skills.
- iii) Mr. J. S. R. K. Prasad also suggested that a strong orientation towards life-long learning be built into the syllabi, given that change is the only constant factor in the industry. This, he said, would help our graduates reinvent themselves as professionals rather than feeling helpless, unable to cope with new demands. He advised the departments to spell out the syllabus not just in product terms but in process terms, too.
- iv) Dr Ramanujam, who added to the point, clarified that the classroom methodology could reflect this, and pointed out that the process is also spelt out in clear terms in the syllabus of the Department of English.
- v) Dr. D. V. L. N. Somayajulu, Professor of CSE, NIT, Warangal suggested a common programming course at first year level to all the branches of students with a title “Problem Solving through Programming” instead of giving separate titles for CSE and IT branches and also objected for using the titles such as “C Programming”.
- vi) Dr. S. R. Parimi, Professor of Civil Engineering and Structural Engineering Consultant, Vijayawada suggested to including Chemistry as one of the first year courses to CSE & IT branches also with relevant syllabus as the students may need it in future. Dr. D.V.L.N Somayajulu also advised to keep majority of the science courses at first year level common to all branches of engineering.

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- vii) Dr. B. G. Barki, former director of NITTTR, Chennai questioned the wisdom of choosing the titles of the subjects as “Engineering Chemistry” for ME and CE and “Applied Chemistry” for EEE and ECE as though “Engineering Chemistry” does not include applied part and “Applied Chemistry” does not include engineering part of the syllabus. Instead, he advised to design a common course combining main components of the syllabus pertinent to each branch of engineering.
- viii) Dr. K. Lal Kishore, former Vice Chancellor of JNTUA, Ananthapur suggested making the course on “Elements of Electronics Engineering” offered at first year level to CSE & IT branches as integrated theory and laboratory course instead of pure theory course.
- ix) Mr. J. S. R. K. Prasad suggested that the course on “Engineering Drawing” must be computer based or partly manual and partly computer based instead of following age old procedure of manual drawing.
- x) Dr. S. R. Parimi opined that besides offering students comprehensive and industry oriented curriculum, the teaching learning process must be designed to develop the attitude of learning to learn, questioning, etc. among the students to make them engineers and industry ready. Mr. J.S.R.K. Prasad advised to teach the students “How to Think” and evaluate periodically the type of learning experience provided to the students and design the curriculum accordingly.
- xi) Dr. S. R. Parimi suggested to including the content related to societal problems in the course “Engineer and Society” to sensitize the students on the problems faced by the local people concerning to health issues, livelihood, etc and their reactions to various developmental works undertaken by the public and private sector.
- xii) Mr. J. S. R. K. Prasad advised to offer Open Elective courses in the areas where lot of employment opportunities are available and also design the curriculum keeping the requirements of majority of recruiters, particularly in core sector, if required by taking the suggestions of the industry experts.
- xiii) Dr. S. R. Parimi and Mr. J. S. R. K. Prasad appreciated the departments for including one or two Project based courses in the curriculum of each branch of engineering, wherein different groups of students will be given simple projects on various design aspects of the subjects as tasks to promote project based learning and also expose the students to concepts of engineering design.
- xiv) Dr. B. G. Barki objected naming of the course titles as “Skill Development Programs” pertaining to course structure of Mechanical Engineering. He opined that course title should be very specific and should not invite ambiguity.
- xv) Mr. J. S.R. K. Prasad advised to offer skill development programs in association with industry and expose the students to the designing of various mechanical components. He also suggested to offering the course on “Industrial Engineering and Management” as project based course, wherein several case studies on problems faced by nearby industries can be given to the students to come out with engineering solutions to help the industry.

P. N. S. R. K. Prasad

- xvi) Dr. K. Lal Kishore suggested to offering the course on “Numerical Methods” along with laboratory component as integrated course with title “Numerical Methods with Computer Applications”
- xvii) Dr. S. R. Parimi and Mr. J. S. R. K. Prasad suggested to offer a seminar kind of course with one credit, wherein the students will give paper / poster presentation on the latest trends in the industry.
- xviii) Mr. J. S. R. K. Prasad suggested to including on-line courses as Self Study courses.
- xix) All the academic / industry experts on the Academic Council appreciated the idea of offering Optional Elective Courses over and above the prescribed number of credits for the benefit of interested students to facilitate them to register for few courses in their areas of interest and acquire extra credits. It will help the students in enhancing their knowledge and skill set and proving themselves in various placement interviews.

Resolution: It is resolved to communicate the various suggestions / opinions expressed by the academic / industry experts on the Academic Council to all the Boards of Studies of various departments and request them to take in to account all the above suggestions / opinions expressed by the experts while preparing the final draft copy of the curriculum which will be presented to the next Academic Council meeting for its approval.

8.2 To discuss on R-14 Academic Regulations (effective from the academic year 2014-15) and suggest the modifications, if any, to prepare the revised academic regulations to be effective from the academic year 2017-18.

The following are the unanimous opinions of academic / industry experts on the Academic Council on current academic regulations and suggestions for modifications:

I) Program Credits:

- i) Dr. S. R. Parimi opined that the prescribed number of credits for UG – B.Tech programs could be 160 rather than 170 proposed by the college as AICTE prescribes from 160 to 180. It will encourage the interested students to register for extra credits in the form of Optional Electives and at the same time reduces the burden on below average students.
- ii) Dr. K. Lal Kishore opined that in the processes of reducing the number of credits, there is a danger of compromising with some of the important core subjects and hence, it must be worked out meticulously.

Resolution:

- i) It is resolved to prescribe the number of credits for UG – B.Tech programs as 170 and PG – M.Tech programs as 70. However, Chairpersons of Boards of Studies are requested to discuss it thoroughly in Boards of Studies and explore the possibility of reducing the number of credits to 160 for UG – B.Tech Programs.
- ii) In continuation of the discussions made in 5th Academic Council meeting, it is resolved to offer optional elective courses from 2nd year onwards to encourage the interested students to register for additional credits in each semester over and above the prescribed number of credits. However, the performance of the students in these

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optional elective courses shall not be considered in calculating SGPA / CGPA, but indicated as optional elective course along with letter grade.

- iii) In continuation of the discussions made in 5th Academic Council meeting with regard to vertical mobility, it is resolved to provide the flexibility for the interested students with CGPA 6.5 and above with no backlogs up to III B.Tech 1st semester to register for the two elective courses to be offered in IV B.Tech 2nd semester in advance, i.e. one in III B.Tech 2nd semester and another in IV B.Tech 1st semester so that all such students shall go for four months full time internship in the industry during the IV B.Tech 2nd semester and simultaneously carryout the final B.Tech project work.

II) Attendance Regulations:

- i) As the current regulations (R14) of a maximum of two times condonation of shortage of attendance for UG-B.Tech Programs and one time condonation of shortage of attendance for PG - MBA & M.Tech programs, i.e. 65% and above and below 75%, has profound effect in improving the regularity of the students to the class work and reducing the number of condonations every semester, it is opined that the same shall be continued in R17 regulations also. The expert members felt that this will ultimately help the students to perform better in both internal examinations and semester end examinations and thereby paving the way for their bright future.
- ii) However, condonation of shortage of attendance during 8th semester of UG-B.Tech programs and 4th semester of PG – MBA program may be considered irrespective of the limit of two times / one time condonation as the students will be busy in attending interviews, undergoing internships and preparing for competitive examinations during the last semester.

Resolution: It is resolved to prescribe R17 attendance regulations same as R14 attendance regulations with the following modifications:

- i) Condonation of shortage of attendance up to 10% during 8th semester of UG – B.Tech programs in addition to the maximum of two times condonation up to 7th semester for UG – B.Tech programs.
- ii) Condonation of shortage of attendance up to 10% during 4th semester of PG – MBA program in addition to the maximum of one time condonation up to 3rd semester for PG – MBA program.
- iii) No Modifications in the condonation rules of PG - M.Tech programs and R14 regulations are applicable as it is, i.e. maximum of one time condonation during the entire four semester course work, since the class work is prescribed only during the first two semesters and 3rd and 4th semesters will have majorly project work.

III) Examinations and Scheme of Evaluation:

- i) The distribution of 40 internal marks for UG – B.Tech programs in R14 regulations is 20 marks based on 4 class tests (average of three best scored tests) and the remaining 20 marks based on two mid-term examinations (75% marks of best scored mid-term and 25% marks of least scored mid-term) conducted during the semester.

Since, conducting 4 class tests in a semester besides conducting two mid-term examination has become cumbersome, it is opined that 2 quizzes / tests shall be

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conducted, one from first and second units and another from fourth and fifth units of the syllabus, each for 10 marks and the average of 2 quizzes / tests shall be taken as marks for continuous assessment for 10 and the remaining 30 marks are based on two mid-term examinations (75% marks of best scored mid-term and 25% marks of least scored mid-term) conducted during the semester.

- ii) The distribution of 40 internal marks for PG – M.Tech programs in R14 regulations is 10 marks for an assignment, 10 marks for a presentation on a topic related to the subject area and the remaining 20 marks based on two mid-term examinations (75% marks of best scored mid-term and 25% marks of least scored mid-term) conducted during the semester. Since, individual presentation by the students in each subject is taking lot of time, it is suggested by the internal members that one more assignment may be given for 10 marks in place of presentation.
- iii) Dr. K. Lal Kishore opined that giving 20 marks for assignments is not advisable and instead he suggested giving 20 marks for a comprehensive paper on the topic of seminar (10 marks for write-up and 10 marks for presentation).

Resolution: It is resolved to follow the distribution of internal marks as given below:

- i) In the case of UG – B.Tech programs, 10 marks are based on 2 quizzes / tests (average marks of 2 quizzes / tests) and 30 marks are based on 2 mid-term examinations (75% marks of best scored mid-term and 25% marks of least scored mid-term) conducted during the semester.
- ii) In the case of PG – M.Tech programs, the distribution of internal marks shall be same as that prescribed in R14 regulations, i.e. 10 marks for an assignment (individual assignments), 10 marks for a presentation on a topic related to the subject area and the remaining 20 marks based on two mid-term examinations (75% marks of best scored mid-term and 25% marks of least scored mid-term) conducted during the semester. However, modifications to the above, if any, can be made after thorough discussion in the next Academic Council meeting.
- iii) In the case of PG – MBA program, the distribution of internal marks shall be 10 marks for a seminar (5 marks for write-up and 5 marks for presentation) and the remaining 30 marks based on two mid-term examinations (75% marks of best scored mid-term and 25% marks of least scored mid-term) conducted during the semester. However, modifications to the above, if any, can be made after thorough discussion in the next Academic Council meeting.

IV) Makeup Examinations (Only for regular students of B.Tech Programs):

- i) All the expert members unanimously approved the proposal of conducting makeup examinations for regular students of UG – B.Tech programs immediately after one week onwards from the date of declaration of regular examination results, by allowing a student to register up to a maximum of two courses (theory or laboratory).
- ii) The expert members opined that the proposal of imposing a penalty of one grade shorter than that actually scored in makeup examination in each course is not necessary and the very purpose of helping the students who have failed in one or two courses or who have scored lower grade in one or two courses in semester end examinations shall be defeated.

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- Resolution:**
- i) It is resolved to conduct makeup examinations for regular students of B.Tech programs in every semester immediately after one week onwards from the date of declaration of regular examination results.
 - ii) A student can register up to a maximum of two courses (theory or laboratory) for makeup examinations in each semester.
 - iii) Once registered, the previous performance of a student in those subjects in semester end examinations stands automatically cancelled.
 - iv) The letter grades secured in makeup examinations in those subjects are awarded and a single marks memo is generated by including the performance in makeup examinations. But, a Star (*) mark is printed against those courses / subjects in which a student has appeared for makeup examinations. However, modifications to the above, if any, can be made after further discussion in the next Academic Council meeting.

V) Conditions for Promotion:

- i) All the expert members opined that the current R14 regulations of securing 50% of credits up to II B.Tech 2nd semester to get promoted into III B.Tech and securing 50% of credits up to III B.Tech 2nd semester to get promoted into IV B.Tech shall be continued as it makes the students more serious in their studies in the long run and paves the way to get their degrees in time.

Resolution: It is resolved to prescribe the credit promotion rules of R17 regulations same as those of R14 regulations for UG – B.Tech programs, i.e. securing 50% of credits up to II B.Tech 2nd semester to get promoted into III B.Tech and securing 50% of credits up to III B.Tech 2nd semester to get promoted into IV B.Tech besides satisfying the attendance regulations.

8.3 Any other matter with the permission of the Chair.

- i) **To review the semester end examination results.**

The Academic Council reviewed and ratified the First Semester End Examinations results for the academic year 2016-17.

I B.Tech 1st Semester (R14) (2016 Admitted) Regular Examinations, Dec. 2016

Subject	Reg.	App.	Passed	Failed	Reg. Pass %	App. Pass %
Civil Engineering	140	138	71	67	50.71	51.45
Electrical and Electronics Engineering	129	129	85	44	65.89	65.89
Mechanical Engineering	159	159	89	70	55.97	55.97
Electronics and Communication Engineering	240	240	206	34	85.83	85.83
Computer Science and Engineering	241	241	198	43	82.16	82.16
Information Technology	111	111	62	49	55.86	55.86
Overall Pass Percentage	1020	1018	711	307	69.71	69.84

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II B.Tech 1st Semester (R14) (2015 Admitted) Regular Examinations, Nov. 2016

Subject	Reg.	App.	Passed	Failed	Reg. Pass %	App. Pass %
Civil Engineering	205	205	143	62	69.76	69.76
Electrical and Electronics Engineering	207	206	137	69	66.18	66.50
Mechanical Engineering	215	212	152	60	70.70	71.70
Electronics and Communication Engineering	286	279	199	80	69.58	71.33
Computer Science and Engineering	273	270	220	50	80.59	81.48
Information Technology	112	111	88	23	78.57	79.28
Overall Pass Percentage	1298	1283	939	344	72.34	73.19

III B.Tech 1st Semester (R14) (2014 Admitted) Regular Examinations, Nov. 2016

Subject	Reg.	App.	Passed	Failed	Reg. Pass %	App. Pass %
Civil Engineering	200	197	171	26	85.50	86.80
Electrical and Electronics Engineering	163	162	120	42	73.62	74.07
Mechanical Engineering	204	201	164	37	80.39	81.59
Electronics and Communication Engineering	264	263	217	46	82.20	82.51
Computer Science and Engineering	200	197	183	14	91.50	92.89
Information Technology	97	96	79	17	81.44	82.29
Overall Pass Percentage	1128	1116	934	182	82.80	83.69

PG – MBA Programs:

MBA Regular Examinations, November 2016

Subject	Reg.	App.	Passed	Failed	Reg. Pass %	App. Pass %
I Semester (R14) (2016 Admitted)	99	96	91	5	91.92	94.79
III Semester (R14) (2015 Admitted)	96	95	93	2	96.88	97.89

- ii) Chairpersons of various Boards of Studies are informed to conduct the meetings of Boards of Studies, discuss on the minutes of the 8th Academic Council meeting and prepare the draft copy of revised curriculum to be effective from the Academic Year 2017-18 before 10th April 2017 and present the same in the next Academic Council meeting for approval.
- iii) It is tentatively decided to convene the 9th Meeting of Academic Council in the last week of April or first week of May 2017.

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