

# Gudlavalleru Engineering College

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

Seshadri Rao Knowledge Village, GUDLAVALLERU

Department of Civil Engineering

## BOARD OF STUDIES

(for the Academic Years 2016-17 & 2017-18)

S.No	Name	Designation	Position
1	Dr. P. Kodanda Rama Rao	Professor & HoD	Chairman
2	Dr. S.R.K.Reddy	Professor	Member
3	Dr. K. Radhakrishnam Raju	Visiting Professor	Member
4	Dr.G.Mahesh Reddy	Associate Professor	Member
5	Sri K.Venkateswara Rao	Associate Professor	Member
6	Sri Siva Kishan Nandyala	Associate Professor	Member
7	Sri Phani Kumar Vaddi	Sr.Gr.Assistant Professor	Member
8	Sri Hemanth Lakshmi Swaroop.A	Sr.Gr.Assistant Professor	Member
9	Sri Sai Krishna Gundapaneni	Assistant Professor	Member
10	Sri T.N.Veerendra Ganugula	Assistant Professor	Member
11	Ms.Seeram Bhanupravallika	Assistant Professor	Member
12	Sri Chandalapattu Naga Bharath	Assistant Professor	Member
13	Sri Padavala S Shanmukha Anjneya Babu	Assistant Professor	Member
14	Ms.Kosaraju Sailaja	Assistant Professor	Member
15	Mrs.P Sravani Ramya Singam	Assistant Professor	Member
16	Ms.Kode Dhanasri	Assistant Professor	Member
17	Sri Sambangi Arunchaitanya	Assistant Professor	Member
18	Sri Avula Sateesh	Assistant Professor	Member
19	Sri Yamarthi Vinod Kumar	Assistant Professor	Member
20	Sri Vanakuri Sainath	Assistant Professor	Member
21	Sri Ch.L.K.Murthy Gupta	Assistant Professor	Member
22	Ms.Prafulla Devi Kona	Assistant Professor	Member
23	Ms.Dasi Lakshmi Durga	Assistant Professor	Member
24	Sri Vegulla Raghudeep	Assistant Professor	Member
25	Sri Nekkanti Haripavan	Assistant Professor	Member
26	Ms.Dronavalli Vaneela	Assistant Professor	Member
27	Ms.Kolli Prathyusha	Assistant Professor	Member
28	Ms.Gangolu Kamala Kumari	Assistant Professor	Member
29	Sri Saride Lakshmi Ganesh	Assistant Professor	Member
30	Sri Bethala Praveen Kumar	Assistant Professor	Member
31	Sri Seetalam Sai Charan	Assistant Professor	Member
32	Sri Eerla Hanumaiah	Assistant Professor	Member
33	Sri Busi Praveen	Assistant Professor	Member
34	Sri Kasetty Viseshkumar	Assistant Professor	Member
35	Ms.Podili Vindhya Rani	Assistant Professor	Member
36	Ms.Kankara Dhana Lakshmi	Assistant Professor	Member

S.No	Name	Designation	Position
37	Sri Madasu Durga Rao	Assistant Professor	Member
38	Sri Reddy Balaramireddy	Assistant Professor	Member
39	Sri Rayapati Bhanu Naga Santhosh	Assistant Professor	Member
40	Sri Ponnekanti Bala Poorna Chandra Rao	Assistant Professor	Member
41	Dr.D.Ramaseshu	Professor & HoD, Department of Civil Engineering, NITW, Warangal. Mobile No: 9849386595, Email ID: ramadrs@gmail.com	University Nominee
42	Dr K.Srinivasa Raju	Professor, Department of Civil Engineering, Birla Institute of Technology & Science, Pilani, Hyderabad Campus, Jawahar Nagar, Medchal District, Telangana 500 078, India Mobile : 9010820742, e-mail : ksraju@hyderabad.bits- pilani.ac.in	Member Subject Expert Nominated by Academic Council
43	Dr. Ch.Sudha Rani	Professor, Department of Civil Engineering, Srivenkateswara University, Tirupathi. Mobile No.9490017047, Email ID: sudhajawahar@gmail.com	Member Subject Expert Nominated by Academic Council
44	Dr.K.Rama Raju	Deputy Director, CSIR - Structural Engineering Research Centre, Chennai Mobile No: 9444921098 e-mail : krraju@serc.res.in	Member Representative from Industry Nominated by Academic Council
45	Er. K.Srinivas Varma	Senior Engineer, Tata Consultant Engineers, Vijayawada Polavaram, Mallavolu Village, Gudur Village, Krishna District - 521162 Mobile No: 8688493639 e-mail : ksv149@gmail.com	Member Alumni Nominated by Principal

*P. N. S. Rao*  
PRINCIPAL

## **GUDLAVALLERU ENGINEERING COLLEGE**

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

Seshadri Rao Knowledge Village:: Gudlavalleru

**Department of Civil Engineering**

Date: 20-03-2017

### **CIRCULAR**

All the staff members are informed that Board of Studies (BOS) Meeting of Civil Engineering for R17 regulation will be held on 25-03-2017 in the department seminar hall. All the faculty are requested to make it convenient to participate and give your valuable advices and suggestions on curriculum.

  
H.C.E

# Gudlavalleru Engineering College

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



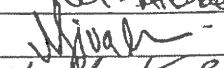
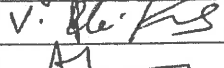
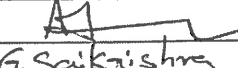
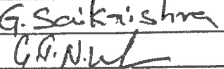
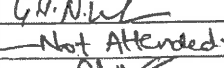
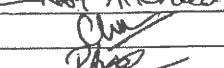
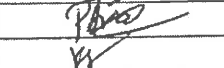
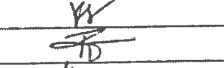
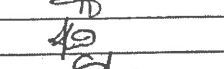
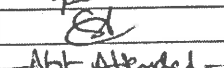
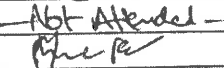
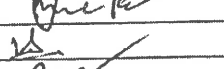
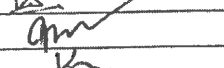
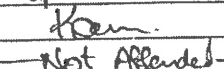

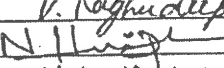
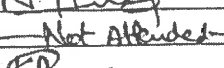
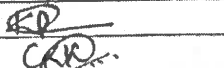
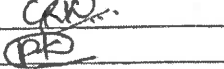

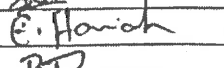
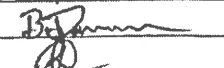

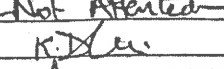
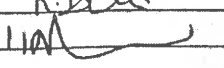

Seshadri Rao Knowledge Village, GUDLAVALLERU

## Department of Civil Engineering

Minutes of the Third BOS meeting held on 25-03-2017, Saturday in the Civil Engineering conference hall.

The Third BOS meeting of Civil Engineering Department, Gudlavalleru Engineering College (Autonomous), Seshadri Rao Knowledge Village, Gudlavalleru is held today i.e. 25-3-2017 (Saturday) at 9.30 AM in the Civil Engineering conference hall under the chairmanship of Dr.P.Kodanda Rama Rao, Head of the Civil Engineering Department.

### MEMBERS PRESENT:

S. No	Name	Designation	Position	Signature
1	Dr. P. Kodanda Rama Rao	Professor & HOD of CE Chairman - Board of studies	Chairman	
2	Dr. S.R.K.Reddy	Professor & Advisor to the Management	Member	
3	Sri K.Venkateswara Rao	Associate Professor	Member	<del>Not Attended</del>
4	Sri Siva Kishan Nandyala	Associate Professor	Member	
5	Sri Phani Kumar Vaddi	Sr.Gr.Assistant Professor	Member	
6	Sri A.H.L.Swaroop	Sr.Gr.Assistant Professor	Member	
7	Sri Sai Krishna Gundapaneni	Assistant Professor	Member	
8	Sri T.N.Veerendra Ganugula	Assistant Professor	Member	
9	Ms.Seeram Bhanupravallika	Assistant Professor	Member	<del>Not Attended</del>
10	Sri Chandalapattu Naga	Assistant Professor	Member	
11	Sri P.S.S.Anjneya Babu	Assistant Professor	Member	
12	Ms.Kosaraju Sailaja	Assistant Professor	Member	
13	Mrs.P Sravani Ramya Singam	Assistant Professor	Member	
14	Ms.Kode Dhanasri	Assistant Professor	Member	
15	Sri Sambangi Arunchaitanya	Assistant Professor	Member	
16	Sri Avula Sateesh	Assistant Professor	Member	<del>Not Attended</del>
17	Sri Yamarthi Vinod Kumar	Assistant Professor	Member	
18	Sri Vanakuri Sainath	Assistant Professor	Member	
19	Sri Ch.L.K.Murthy Gupta	Assistant Professor	Member	
20	Ms.Prafulla Devi Kona	Assistant Professor	Member	
21	Ms.Dasi Lakshmi Durga	Assistant Professor	Member	<del>Not Attended</del>
22	Sri Vegulla Raghudeep	Assistant Professor	Member	
23	Sri Nekkanti Haripavan	Assistant Professor	Member	
24	Ms.Dronavalli Vaneela	Assistant Professor	Member	<del>Not Attended</del>
25	Ms.Kolli Prathyusha	Assistant Professor	Member	
26	Ms.Gangolu Kamala Kumari	Assistant Professor	Member	
27	Sri Bethala Praveen Kumar	Assistant Professor	Member	
28	Sri Seetalam Sai Charan	Assistant Professor	Member	
29	Sri Eerla Hanumaiah	Assistant Professor	Member	
30	Sri Busi Praveen	Assistant Professor	Member	
31	Sri Kasetty Viseshkumar	Assistant Professor	Member	
32	Ms.Podili Vindhya Rani	Assistant Professor	Member	<del>Not Attended</del>
33	Ms.Kankara Dhana Lakshmi	Assistant Professor	Member	
34	Sri Madasu Durga Rao	Assistant Professor	Member	

S.No	Name	Designation	Position	Signature
35	Sri Reddy Balaramireddy	Assistant Professor	Member	<i>[Signature]</i>
36	Sri R.B.N.Santhosh	Assistant Professor	Member	<i>[Signature]</i>
37	Sri P.B.Poorna Chandra Rao	Assistant Professor	Member	<i>[Signature]</i>
38	Sri Tirumani Mutyala Raju	Assistant Professor	Member	<i>Not Attended</i>
39	Sri RamGopal L	Assistant Professor	Member	<i>Not attended</i>
40	Dr. G.S.Bhaskara Rao	Head of BS&H Department	Member	<i>[Signature]</i>
41	Sri S.Suresh	Physics	Member	<i>Not attended</i>
42	Sri T.Babu Rao	Mathematics	Member	<i>Not attended</i>
43	Mrs.P.Haritha	Chemistry	Member	<i>Not attended</i>
44	Mrs.B.Ramya	Environmental Studies	Member	<i>Not attended</i>
45	Dr.D.Ramaseshu	Professor & HoD, Department of Civil Engineering, NITW, Warangal. 98493 86 595	University Nominee	<i>[Signature]</i> 25/3/2017
46	Dr K.Srinivasa Raju	Professor, Department of Civil Engineering, Birala Institute of Technology & Science, Pilani, Hyderabad Campus, Jawahar Nagar, Medchal District, Telangana 500 078, India	Member Subject Expert Nominated by Academic Council	<i>K.S. Raju</i>
47	Dr. Ch.Sudha Rani	Professor, Department of Civil Engineering, Srivenkateswara University, Tirupathi.	Member Subject Expert Nominated by Academic Council	<i>Not Attended</i>
48	Dr.M.Kishore Kumar,	Scientist - D, Defence Research & Development Organization (DRDO), Ministry of Defence, Karwar - 581 301.	Member Representative from Industry Nominated by Academic Council	<i>M.Kishore Kumar</i> 25.3.17
49	Er. K.Srinivas Varma	Er.K.Srinivas Varma, Senior Engineer, TATA Consulting Engineers Limited, Door No.74-13-2, 1 <sup>st</sup> floor, Royal Enclave, New RTC Colony, Padamata, Vijayawada - 520010	Member Alumni Nominated by Principal	<i>Not Attended</i>

# **GUDLAVALLERU ENGINEERING COLLEGE**

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

Seshadri Rao Knowledge Village, Gudlavalleru

*Department of Civil Engineering*

## **Minutes of BoS meeting**

Meeting on curriculum design is held on 25<sup>th</sup> March, 2017 with expertise from academic institutions, industry, alumni and faculty.

### **AGENDA**

1. To review the R-14 curriculum of UG & PG
2. To discuss and finalise the detailed I year curriculum for 2017 and regulations of UG & PG
3. To review and approve the broad syllabi content of the II, III, IV year courses.

### **Minutes of Meeting**

1. Course Structure and detailed syllabi of I year curriculum for 2017 regulations of B.Tech Civil Engineering is finalized
2. Course Structure and detailed syllabi for 2017 regulations of P.G. Structural Engineering is finalized
3. Broad contents of the II, III, IV year courses is approved with some suggestions.

**Agenda 1:** To review the R-14 curriculum of UG & PG

- Feedback on R-14 curriculum of UG & PG, suggestions on curriculum aspects and courses to develop curriculum for R-17 regulations from stakeholders such as students, alumni, faculty, employers collected were analysed.

**Agenda 2:** To discuss and finalise the detailed I year curriculum for 2017 and regulations of UG & PG

**Subjects identified under different Curricular components for B.Tech. Programme**

**Basic Sciences: (PO s 1,2) Credits-25.5 to 34, % of Credits 15 to 20**

#### **Mathematics:**

1. Linear Algebra & Differential Equations
2. Integral Transforms and Multiple Integrals
3. Statistical & Numerical Analysis
4. Finite Element Methods
5. Optimization techniques – Elective

#### **Physics:**

1. Engineering Physics
2. Engineering Physics Lab
3. Geology & Remote Sensing \*

**Chemistry:**

1. Engineering Chemistry
2. Engineering Chemistry Lab

**Humanities and social sciences: (PO s – 3, 6, 7, 8, 10, 11 ) Credits-17 to 25.5, % of Credits 10 to 15**

1. Functional English
2. Functional English Lab
3. Engineer and Society
4. Professional Communication
5. Environmental Studies
6. Professional Communication Lab
7. GIS and GPS
8. Project Finance and Project Management

**Engineering Science: (PO s – 1, 2, 4, 5) (PSO s-1) Credits-17 to 34, % of Credits 10 to 20**

1. Engineering Drawing
2. Problem Solving Using C
3. Engineering Mechanics
4. Computer Aided Drawing Lab
5. Mechanics of Solids
6. Mechanics of Fluids
7. Mechanics of Solids Lab
8. FM & HM Lab
9. Elements of Mech. and Elec. Engineering

**Professional Core: (PO s 1,2,3,4,5,6,7,8,9,10,11,12), (PSO s-1, 2, 3) Credits-42.5 to 59.5,  
% of Credits 25 to 35**

**Structures:**

1. Structural Analysis – I
2. Concrete Technology
3. Concrete Technology Lab
4. Structural Analysis – II
5. Design & Drawing of R.C. Structures
6. Structural Engineering Lab
7. Design of Steel Structures
8. Computer Applications in Civil Engineering – Lab

**Geotechnical & Transportation Engineering:**

1. Geotechnical Engineering
2. Geotechnical Engineering Lab
3. Foundation Engineering
4. Highway Engineering
5. Highway Engineering Lab

**Environmental Engineering:**

1. Water and Wastewater Engineering
2. Water & Wastewater Engineering Lab

**Water Resources Engineering:**

1. Hydraulics & Hydraulic Machines
2. FM & HM Lab
3. Engineering Hydrology and Irrigation

**Construction Technology & Project management:**

1. Building planning and drawing
2. Estimation, Costing and Valuation

**Professional Electives: (PO s 1,2,3,4,5,6,7,8,9,10,11,12), (PSO s-1, 2, 3) Credits-13.6 to 20.4,  
% of Credits 8 to 12**

**Professional Elective – I**

- i. Advanced Structural Analysis
- ii. Advanced R.C. Structures
- iii. Ground Improvement Techniques
- iv. Environmental Pollution and its Control

**Professional Elective – II**

- i. Pre-stressed Concrete
- ii. Structural Dynamics
- iii. Advanced Foundation Engineering
- iv. Environmental Sanitation & Industrial Hygiene

**Professional Elective – III**

- i. Construction Management
- ii. Design of Industrial Structures
- iii. Disaster Management
- iv. Hydraulic Structures

**Professional Elective – IV**

- i. Construction Management

- ii. Design of Industrial Structures
- iii. Disaster Management
- iv. Hydraulic Structures

#### **Professional Elective – V**

- i. Urban and Regional Planning
- ii. Design and Drawing of Irrigation Structures
- iii. Optimization Techniques
- iv. Environmental Impact Assessment and Management

**Open Electives & Self Study Course: Credits- 8.5 to 17, % of Credits 5 to 10**

**Open Electives required for Civil Engineering Students**

#### **Open Elective-I**

- 1. Renewable Energy Sources
- 2. Green Engineering

#### **Open Elective-II**

- 1. Electrical Materials
- 2. Elements of manufacturing process

#### **Open Electives offered by CED**

- 1. Elements of Civil Engineering (other than Civil)
- 2. Geoinformatics (other than Civil)
- 3. Green Buildings (other than Civil)

#### **Self-Study Course options**

- 1. MOOCS
- 2. Building Services
- 3. Traffic Engineering

**Project: (PO s 1,2,3,4,5,6,7,8,9,10,11,12), (PSO s-1, 2, 3) Credits- 13.6 to 17, % of Credits 8 to 10**

- 1. Mini Project / Survey Camp
- 2. Project Work

#### **Optional Elective-1 (self-study)**

- 1. Building Bylaws and design Management
- 2. Interior Design
- 3. Data Structures

#### **Optional Elective-2 (self-study)**

- 1. Scheduling and Contracts
- 2. Power plant engineering
- 3. OOPS through Java

#### **Optional Elective-3 (self-study)**

- 1. Geosynthetics and Reinforced soil structures
- 2. Prefabricated Structures
- 3. DBMS

#### **Optional Elective-4 (self-study)**

1. Smart Buildings and Automation
2. Public Private Partnerships
3. Building Information Modelling

#### **Suggestions from experts:**

1. The panel suggested that the Lecture (L), Tutorial (T), and Practical (P) should be indicated in Hours of contact and only the last column should summarise the credits. In the presentation, credit numbers were indicated all through.
2. 2. Mathematics Faculty requested that the credit structure of Statistical and Numerical Methods be changed from 2 1 0 to 3 0 0. The Civil Department informed that these credits were given by the Principal's office and they may put up their request to their Board of Studies.
3. The external experts suggested that we should indicate the time table hours for Employability, Professional Skills and Entrepreneurship even though the credits might be zero
4. The external experts felt that the Engineer & Society course is redundant as the content seemed to be diluted version of Environmental Studies. The references and. textbooks were the same for both the courses. So, they suggested that there should only be Environmental Studies course with the contents of Engineer and Society included. In case we want to have two courses, they suggested that Engineer and Society should be offered in the final year by which time student would have attained a level of maturity and social awareness to take the course seriously.
5. The English department courses were given in great detail. The experts felt that the course structure or the academic regulation book is not a right place to include such detailed content. They may pass on that material separately to students. The Functional English and Professional Communication subjects should be given in the same format as all other courses in the structure.
6. The textbooks and references coming from various departments had various formats. The panel suggested that there should be a standard format with 1.Author 2.Title 3.Edition 4. Publisher
7. Concerning Engineering Physics Subject, the panel felt that there too many objectives. They suggested a maximum of 4-6 CO's.
8. The panel suggested that the manuals prepared by college should be given to every student and as such need not be included in the syllabus. .
9. The panel appreciated the inclusion of Non Destructive Testing in Physics Lab curriculum and suggested that Thermal Imaging and Sound Based NDT could be good options. They suggested that relevant theory should be included in the theory course.
10. They panel was very positive on the idea of a Applied Mechanics lab cum Workshop idea running in tandem with Engineering Mechanics theory course. From the current Workshop curriculum they suggested that three trades, Carpentry, Plumbing and House Wiring may be retained as jobs and the remaining may be demonstrated in a single contact session. The rest of the time in semester may be

devoted to Applied Mechanics experiments to strengthen students' understanding of Engineering Mechanics.

11. The panel appreciated the applications and inclusion of Chemistry course content for its focus on Civil Engineering applications and inclusion of instrumentation in theory and lab. They suggested that syllabus could also follow a similar model of having one unit for instrumentation.
12. For Engineering Mechanics, it was suggested that books by A.K.Tayal and Bhavikatti are simpler for students in the first year to grasp concepts. For references, books by Timoshenko, Bansal, Beer and Johnston were suggested.
13. For the newly introduced course on Computer Aided Drafting, the book by A.K.Sarkar on Drawing using AutoCAD was suggested. Engineering Drawing and Graphics+AutoCAD by K.Venu Gopal was suggested as a reference book

### **PG: M.Tech. Structural Engineering**

To discuss the new Curriculum of M.Tech. Programme for R-17 regulations

- Identified professional electives in P.G. Structural Engineering
- Identified labs to be offered in P.G. Structural Engineering
- Seminar is made mandatory course in third semester
- Discussed course structure for recommending to College Academic council

### **Suggestions from experts:**

1. For M.Tech syllabus, Text book on Tall Structures by Taranath was suggested.
2. Slip form shuttering and other advanced Form work topics may be included.
3. Repair and Rehabilitation of structures may be titled as Forensic Structural Engineering.
4. Advanced Foundation Engineering subject may be titled as Design of Substructures.

**Agenda 3:** To review and approve the broad syllabi content of the II, III, IV year courses.

### **Suggestions from the experts**

1. The panel suggested that Regression Analysis be included in Statistics.
2. The panel suggested that a unit on Construction Machinery be included in the course Elements of Mechanical Engineering. Topics on Mechanical Handling Equipment, Additive Manufacturing (3D Printing), Hydraulics and Pneumatics as applied to construction machinery may be included in the syllabus.
3. The panel suggested that the topic of electrical signal acquisition through electronics and measurement techniques for various aspects such as Voltage, Resistance, Current and the frequency spectrum may be included in the syllabus.
4. The panel suggested that the Unit on Wiring in Elements of Electrical Engineering may be removed because the topic is already covered in Workshop Practice.

devoted to Applied Mechanics experiments to strengthen students' understanding of Engineering Mechanics.

11. The panel appreciated the applications and inclusion of Chemistry course content for its focus on Civil Engineering applications and inclusion of instrumentation in theory and lab. They suggested that syllabus could also follow a similar model of having one unit for instrumentation.
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- Identified labs to be offered in P.G. Structural Engineering
- Seminar is made mandatory course in third semester
- Discussed course structure for recommending to College Academic council

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2. Slip form shuttering and other advanced Form work topics may be included.
3. Repair and Rehabilitation of structures may be titled as Forensic Structural Engineering.
4. Advanced Foundation Engineering subject may be titled as Design of Substructures.

**Agenda 3:** To review and approve the broad syllabi content of the II, III, IV year courses.

#### **Suggestions from the experts**

1. The panel suggested that Regression Analysis be included in Statistics.
2. The panel suggested that a unit on Construction Machinery be included in the course Elements of Mechanical Engineering. Topics on Mechanical Handling Equipment, Additive Manufacturing (3D Printing), Hydraulics and Pneumatics as applied to construction machinery may be included in the syllabus.
3. The panel suggested that the topic of electrical signal acquisition through electronics and measurement techniques for various aspects such as Voltage, Resistance, Current and the frequency spectrum may be included in the syllabus.
4. The panel suggested that the Unit on Wiring in Elements of Electrical Engineering may be removed because the topic is already covered in Workshop Practice.

5. In Building Construction, it was suggested that 'Types of Foundations' may be added.
6. In Building Materials, it was suggested that newer materials like Plywood, Veneer boards, MDF (Medium Density Fibre) may be included.
7. As a generic suggestion, it was felt that the NPTEL course URL for the specific subject should be included in references so that students can listen to expert lectures on the subject.
8. For the Mechanics of Fluids and Hydraulics and Hydraulic Machinery course it was suggested that Hydraulic Similitude topic and Laminar and Turbulent Flow topic be swapped to make it easier for students to cope with new concepts introduced in these subjects.
9. For Surveying Theory it was suggested that Chain Surveying should be dropped and the 4th and the 5th Unit should be split to form the 6th Unit. The topic of Chain Surveying may be taught in the Field Work as a demonstration experiment.
10. For Structural Analysis I, it was suggested that 5<sup>th</sup> and 6<sup>th</sup> Units can be made into 1<sup>st</sup> 2<sup>nd</sup> Units.
11. In Building Drawing, it was suggested to include exercises on electrical drawing.
12. The current syllabus is very brief in Structural Analysis. It may be elaborated further.
13. For Water and wastewater engineering, it was suggested that Mass Curve Method can be included in Hydrology Course. For pipe network design, it was suggested that tools like EPA Net may be used.
14. Topic of Roof Trusses may be replaced with Eccentric Connections.
15. For Environmental Engineering electives, it was suggested to offer a single elective that includes Solid Waste Management, Air Pollution Control and Noise Pollution. The syllabus shall cover the content in GATE and IES syllabus.
16. Environmental Sanitation and Industrial Hygiene may be included as another elective in place of the clubbed electives.
17. For the Computer Applications in Civil Engineering, GIS exercises are to be included as there is no separate lab for GIS theory course.
18. For Repair and Rehabilitation course, Non Destructive Testing of Concrete topic may be included in this course.
19. It was felt that an innovative introductory course on Soft Computing would be useful to students.
20. Another innovative course that could be included is Optimisation Techniques in Civil Engineering. Basics could be taught by faculty and applications may be taught by Industry personnel.

  
(Dr. P. Kodanda Rama Rao)  
B.O.S Chairman

**GUDLAVALLERU ENGINEERING COLLEGE**  
(An Autonomous Institute with Permanent Affiliation to JNTUK, Kakinada)  
Seshadri Rao Knowledge Village:: Gudlavalleru  
Department of Civil Engineering

Date: 01-05-2018

**CIRCULAR**

All the staff members are informed that Board of Studies (BOS) Meeting of Civil Engineering for R17 regulation will be held on 05-05-2018 in the department seminar hall. All the faculty are requested to make it convenient to participate and give your valuable advices and suggestions on curriculum.



H.C.E

# Gudlavalleru Engineering College



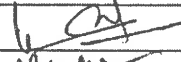
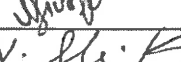
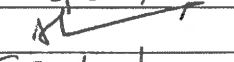
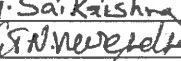


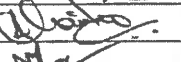
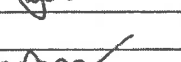
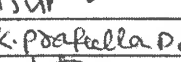




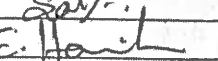
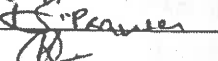






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Seshadri Rao Knowledge Village, GUDLAVALLERU

## Department of Civil Engineering

**Minutes of the Fourth BOS meeting held on 05-05-2018, Saturday in the Civil Engineering Department.**

The Fourth BOS meeting of Civil Engineering Department, Gudlavalleru Engineering College (Autonomous), Seshadri Rao Knowledge Village, Gudlavalleru is held today i.e. 05-05-2018 (Saturday) at 10.00 AM in the Civil Engineering Department under the chairmanship of Dr.P.Kodanda Rama Rao, Head of the Civil Engineering Department.

### MEMBERS PRESENT:

S. No	Name	Designation	Position	Signature
1	Dr. P. Kodanda Rama Rao	Professor & HOD of CE Chairman - Board of studies	Chairman	
2	Dr. S.R.K.Reddy	Professor & Advisor to the Management	Member	
3	Sri K.Venkateswara Rao	Associate Professor	Member	
4	Sri N.Siva Kishan	Associate Professor	Member	
5	Sri Phani Kumar.V	Sr.Gr.Asst. Professor	Member	
6	Sri A.H.L.Swaroop	Sr.Gr.Asst. Professor	Member	
7	Sri G.Sai Krishna	Assistant Professor	Member	
8	Sri G.T.N.Veerendra	Assistant Professor	Member	
9	Ms.S.Bhanupravalika	Assistant Professor	Member	
10	Sri Ch.Naga Bharath	Assistant Professor	Member	
11	Sri P.S.S. Anjaneya Babu	Assistant Professor	Member	
12	Mrs.S.P.S.Ramya	Assistant Professor	Member	
13	Sri S.Arunchaitanya	Assistant Professor	Member	
14	Sri Y.Vinodkumar	Assistant Professor	Member	
15	Sri V.Sainath	Assistant Professor	Member	
16	Sri Ch.L.K.Murthy Gupta	Assistant Professor	Member	
17	Mrs.K.Prafulla Devi	Assistant Professor	Member	
18	Ms.D.Lakshmi Durga	Assistant Professor	Member	
19	Sri V.Raghudeep	Assistant Professor	Member	
20	Sri N.Haripavan	Assistant Professor	Member	
21	Mrs.D.Vaneela	Assistant Professor	Member	
22	Ms.K.Prathyusha	Assistant Professor	Member	
23	Ms.G.Kamala Kumari	Assistant Professor	Member	
24	Sri B.Praveen Kumar	Assistant Professor	Member	
25	Sri S.Sai Charan	Assistant Professor	Member	
26	Sri E.Hanumaiah	Assistant Professor	Member	
27	Sri B.Praveen	Assistant Professor	Member	
28	Sri K.Viseshkumar	Assistant Professor	Member	
29	Ms.P.Vindhyanani	Assistant Professor	Member	
30	Sri M.DurgaRao	Assistant Professor	Member	
31	Sri R.Balaramireddy	Assistant Professor	Member	
32	Sri R.B.N.Santhosh	Assistant Professor	Member	
33	Sri B.B.Poorna Chandra Rao	Assistant Professor	Member	
34	Sri P.Sivasankar	Assistant Professor	Member	

Sr	Name	Designation	Position	Signature
35	Sri A.V.Phani Manoj	Assistant Professor	Member	
36	Sri A.V.V.Sairam	Assistant Professor	Member	
37	Sri A.Satish Kumar	Assistant Professor	Member	
38	Sri K. Ravindra Babu	Assistant Professor	Member	K. Ravindra Babu
39	Ms. M. Sandhya	Assistant Professor	Member	
40	Sri K.Kesava	Assistant Professor	Member	K. Kesava
41		Faculty Member of Electrical & Electronics Engineering	Member	
42		Faculty Member of Mechanical Engineering	Member	
43		Faculty Member of Computer Science Engineering	Member	
44	P. V. M. RAJU	Faculty Member of MBA Department	Member	P. V. M. RAJU
45	Dr. R. Swetha	Faculty Member of Basic Science & Humanities Department	Member	R. Swetha
46	Dr.P.Ravindra Babu	Principal, Gudlavalleru Engineering College, Gudlavalleru	Invitee	P. Ravindra Babu
47	Dr.B.Karuna Kumar	Vice Principal, Gudlavalleru Engineering College, Gudlavalleru	Invitee	
48	Dr.P.Nageswara Reddy	Director AS&A, Gudlavalleru Engineering College, Gudlavalleru	Invitee	
49	Dr.G.V.S.N.R.V.Prasad	Dean Academic Affairs Gudlavalleru Engineering College, Gudlavalleru	Invitee	
50	Dr.D.Ramaseshu	Professor, NITW, Warangal.	University Nominee	D. Ramaseshu
51	Dr K.Srinivasa Raju	Professor, Birala Institute of Technology & Science, Pilani, Hyderabad Campus	Member Subject Expert Nominated by Academic Council	K. S. Raju
52	Dr. Ch.Sudha Rani	Professor, Srivenkateswara University, Tirupathi.	Member Subject Expert Nominated by Academic Council	Ch. Sudha Rani
53	Dr.M.Kishore Kumar,	Scientist - D, DRDO, Karwar - 581 301.	Member Representative from Industry Nominated by Academic Council	M. Kishore Kumar
54	Er. K.Srinivas Varma	Er.K.Srinivas Varma, Senior Engineer, TATA Consulting Engineers Limited.	Member Alumni Nominated by Principal	

# **GUDLAVALLERU ENGINEERING COLLEGE**

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

Seshadri Rao Knowledge Village, Gudlavalleru

*Department of Civil Engineering*

## **Minutes of BoS meeting**

Meeting on curriculum design is held on 5<sup>th</sup> May, 2018 with expertise from academic institutions, industry, alumni and faculty.

### **AGENDA**

1. To review the R-17 course structure and content.
2. Finalizing the syllabi of courses in the new course structure.

### **Minutes of Meeting**

1. Course Structure of B.Tech Civil Engineering Programme for 2<sup>nd</sup> 3<sup>rd</sup> and 4<sup>th</sup> years under R-17 regulations is finalised.
2. Syllabi for the courses in 2<sup>nd</sup> 3<sup>rd</sup> and 4<sup>th</sup> years of B.Tech Civil Engineering Programme under R-17 regulations is finalized with the following suggestions.

### **Suggestions from Experts:**

#### **CREDITS**

1. The key change since the last meeting were the reduction of total credits from 170 to 160.
2. To retain the general structure of theory and lab courses per semester, and to reduce the credits to 160, the credits for some courses were reduced from 4 to 3.
3. The distribution of courses amongst the components also had deviations, sometimes over and sometimes under the AICTE recommendations. The external board members opined that a 20% deviation might be allowed.
4. The first batch under R-17 has been admitted under a 170 credit scheme which will now be modified into a 160 credit scheme. The external BoS members opined that the batch to be admitted in 2018-19 could have a fresh I year curriculum that reflects the 2018 guidelines. This would help adjust the weightage of courses. However, this being a decision to be taken at the college level, the Chairman-BoS offered to take up this point in the college level BoS.

#### **HONOURS Degree**

5. In view of the 'Honours' degree option mentioned in the model curriculum of AICTE, the proposed R-17 regulations accommodated 8 optional elective courses amounting to 20 additional credits that the students can study by themselves to earn an honours degree.

#### **OPTIONAL ELECTIVES**

6. After reviewing the courses and content of the Optional Electives, which by design were interdisciplinary or emerging areas, the external BoS members unanimously suggested that a formal interaction between students and teacher is essential to understand and study these courses.
7. Chariman-BoS has agreed to take this point in the college level BoS meeting, of providing contact hours to students of optional electives as part of the regular timetable, of about 4 periods per week.
8. The optional elective allows students to register for MOOCs and earn credits. Here, the external board members suggested that the guidelines on topics, number of weeks of the MOOCs course should be identified in the regulations itself. They suggested that 4-8 weeks may be adequate for earning 2-3 credits under MOOCs.
9. Chairman-BoS has noted this point for taking up in the college level BoS as it will be affecting the regulations of all B.Tech. courses.

10. In view of the the rigour needed to pursue additional credits, the BoS members suggested that there should be a threshold that filters students who can opt for optional electives.
11. Chairman-BoS informed that students who have earned 7.5 CGPA and above will only be allowed to opt for optional electives.
12. The external BoS members concluded on the topic that all Optional Electives should allow students to opt for MOOCs as this reflects the 'lifelong learning' aspect of the graduate attributes.

### OPEN ELECTIVES

13. The external BoS members who represent academia and industry have given suggestions on courses and content of proposed open electives. Some rearrangement of courses from open electives to professional electives to optional elective and vice-versa have been agreed upon.

### CONTENTS

14. The external BoS members have suggested some details related to a common format for all courses such as starting the course outcomes with "*The Civil Engineering graduates shall be able to...*"
15. Other suggestions included a uniform sequence for Textbooks, References, Codes; capitalising abbreviations such as UDL, using British English spellings throughout, including GATE syllabus in courses, starting technical words with a capital, not mentioned Dr in authors' names, heading for each unit, textbooks to be affordable (Indian authors or Indian editions of international authors), having a maximum of 4 course objectives and 6 course outcomes, expanded acronyms, inclusion of case studies where relevant and open source software demos.

### THEORY Courses

16. Some courses which engendered detailed discussion on contents and rearrangement include Fluid Mechanics (reordering contents), Building Materials and construction (balancing materials and construction aspects), Building Planning and Design (Inclusion of Computer based drafting as UNIT VI), Numerical and Statistical Methods (to be changed to Numerical Methods and Probability). Interior Design (Textbooks to match the content) etc.,

### PRACTICAL Courses

17. For integrated practical and practical courses, detailed manual of experiments, reference books to be provided and the experiments in the list need not start with 'to'.
1. INTEGRATED theory and practice courses.
18. For Geology and Geomatics course, the practice component will only have internal evaluation for 20 marks. The theory component with other 20 marks will only have 2 mid exams and no class tests. The external written exam will have 60 marks weightage.
19. In order to place accent on the practice part of the curriculum, the external BoS members suggested that integrated courses may have a 50-50 weightage for internal and external evaluation.
20. Chairman BoS agreed to take this suggestion up in the college level BoS meeting.
21. In continuing the earlier approach, respective staff members have noted suggestions on the courses they have drafted in the categories highlighted above.
22. The external BoS members appreciated the overall intent of the new courses, content and gave very good feedback on how to deliver these effectively to students.

  
 (Dr. P. Kodanda Rama Rao)  
 B.O.S Chairman

# GUDLAVALLERU ENGINEERING COLLEGE

(An Autonomous Institute with Permanent Affiliation to JNTUK, Kakinada)  
Seshadri Rao Knowledge Village:: Gudlavaluru  
Department of Civil Engineering

## CIRCULAR

Ref: Feb/2019-20/

Date: 26-02-2020

All the faculty members of civil engineering are requested to attend the meeting today 3.50 PM at HoD Conference Room.

### Agenda:

- To discuss R-20 course structure and syllabi content
- Any other matter with the permission of the chair

H.C.E

### Members Present

Name	Signature	Name	Signature
Dr. S.R.K.Reddy		Sri K.Viseshkumar	
Dr. P. Kodanda RamaRao		Sri M.DurgaRao	
Dr.G.Reddy Babu		Sri A.V.Phani Manoj	
Dr.A.Sreenivasulu		Ms. M. Sandhya	
Sri K.Venkateswara Rao		Sri K.Nagarjuna	
Dr.C.Rajakumar		Dr. V.V.Praveen Kumar	
Sri Phani Kumar.V		Sri P.Praneet Sai Kumar	
Sri A.H.L.Swaroop		Dr.Subhashish Dey	
Sri G.Sai Krishna		Sri A.Anurag	
Sri G.T.N.Veerendra		Sri K.Dinesh Kumar	
Ms.S.Bhanupravallika		Sri K.Siva Ram	
Sri Ch.Naga Bharath		Mrs.Ch.S.Tirumala Devi	
Sri P.S.S. Anjaneya Babu		Ms.L.Manjusha	
Sri S.Arunchaitanya		Sri S.Venkatesh	
Mrs.K.Prafulla Devi		Ms.N.Yeshaswini Sai Priya	
Sri V.Raghudeep		Sri B.Ramakrishna	
Sri N.Haripavan		Ms.M.L.Sirisha	
Sri S.Sai Charan		Mr.S.Eswar	

**Gudlavalleru Engineering College**  
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**Seshadri Rao Knowledge Village: Gudlavalleru**  
**Department of Civil Engineering**

**Board of Studies (BOS) Meeting Agenda, CE Department**

Internal BOS Meeting of CE has been convened on 26-02-2020 at 3:50PM in H.O.D conference room and discussed the following agenda:










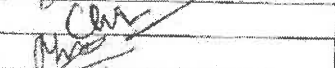










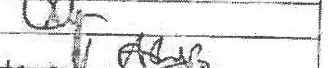















1. To discuss about the proposed course structures of B.Tech and M.Tech Under -20 regulations
2. To assign concerned faculty members to Prepare syllabus in the courses proposed for B.Tech and M.Tech Under -20 regulations

**Minutes of meeting:**

1. Dr. S.R.K. Reddy recommended changing in the title of the Course name from Environmental studies to Environmental science.
2. Dr. P. Kodanda Rama Rao brought to the notice of all members, the decision taken at college level to follow uniform course structure regarding Training and Placement and suggested to include T& P Labs from II. B.Tech- I Semester onwards.
3. Dr. P. Kodanda Rama Rao brought to the notice of all members, regarding communication received from AICTE to incorporate Universal Human Values 2: Understanding Harmony as a mandatory course from 2020-21, and further suggested replacing it with Life sciences for Civil Engineering & its societal impact in I. B.Tech-II Semester.
4. Phani Kumar, V asked about the weightage of Geology and GIS in the Course Engineering Geology and GIS Applications\*. Dr. S.R.K Reddy and Dr. P. Kodanda Rama Rao suggested incorporating three units to Geology and three units to GIS applications
5. N. Haripavan Suggested change in the title of the course from Engineering Geology and GIS Applications\* to Engineering Geology and Geospatial Applications\* in II. B.Tech -I Semester
6. Dr. S.R.K Reddy proposed to offer two Subjects from Civil Engineering in Open elective-I, one for all branches and one for other than civil. He further suggested that it would be appropriate to offer Environment Laws and Policies (for all branches) and Elements of Civil Engineering (Other than CE).

7. N. Haripavan suggested to include Advanced surveying as an Elective course
8. Dr. A Sreenivasulu suggested to make Disaster preparedness, planning and management as a Open elective course for all branches and to introduce Advanced surveying in Professional elective-I.
9. Dr. G. Reddy babu suggested Air pollution and Control would be appropriate than Environmental Pollution and its control in Professional elective-I.
10. G. T. N. Veerendra suggested to include Project planning and Control from Professional Elective-IV to Professional Elective-I.
11. K. Venkateswara Rao suggested change in the title of the course name as "Advanced Concrete technology" instead of "Advancements in Concrete technology" in Professional Elective-I
12. Dr. A. Sreenivasulu suggested to Introduce Finite Element methods in Professional Elective- II
13. Dr. S.R.K Reddy recommended offering Green building Technology (for all branches) and Remote sensing& GIS (Other than CE) in Open Elective-II
14. Phani Kumar. V Suggested changing the title of the course from Transportation Engineering to Highway Engineering.
15. Dr. G. Reddy babu recommended including Solid waste management as a Professional elective
16. Dr. S.R.K Reddy recommended offering Disaster preparedness, planning and management (for all branches) and Traffic Engineering (Other than CE) in Open Elective-III.
17. Dr. S.R.K Reddy recommended to other "Precast concrete structures" instead of "Precast prefabricated structures" in Professional Elective-V
18. Dr. S.R.K Reddy recommended Finite Element methods in Structural Engineering as a project based course in M.Tech II Semester.

# Members Attended

S.No.	Name of the faculty	Signature
1	Dr.S.R.K.Reddy	
2	Dr. P. KodandaRamaRao	
3	Dr.G.Reddy Babu	
4	Dr.A.Sreenivasulu	
5	Sri K.Venkateswara Rao	
6	Dr.C.Rajakumar	
7	Sri PhaniKumar.V	
8	Sri A.H.L.Swaroop	
9	Sri G.Sai Krishna	
10	Sri G.T.N.Veerendra	
11	Ms.S.Bhanupravallika	
12	Sri Ch.Naga Bharath	
13	Sri P.S.S. Anjaneya Babu	
14	Sri S.Arunchaitanya	
15	Mrs.K.Prafulla Devi	
16	Sri V.Raghudeep	
17	Sri N.Haripavan	
18	Sri S.SaiCharan	
19	Sri K.Viseshkumar	
20	Sri M.DurgaRao	
21	Sri A.V.Phani Manoj	
22	Ms. M. Sandhya	
23	Sri K.Nagarjuna	
24	Dr.V.V.Praveen Kumar	
25	Sri P.Praneet Sai Kumar	
26	Dr.Subhashish Dey	
27	Sri A.Anurag	
28	Sri K.Dinesh Kumar	
29	Sri K.Siva Ram	
30	Mrs.Ch.S.Tirumala Devi	
31	Ms.L.Manjusha	
32	Sri S.Venkatesh	
33	Ms.N.Yeshaswini Sai Priya	
34	Sri B.Ramakrishna	
35	Ms.M.L.Sirisha	
36	Mr.S.Eswar	

**Gudlavalleru Engineering College**  
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**Seshadri Rao Knowledge Village: Gudlavalleru**  
**Department of Civil Engineering**

**Board of Studies (BOS) Meeting Agenda, CE Department**

Internal BOS Meeting of CE has been convened on 05-03-2020 at 3:00PM in IIT Bombay Remote Centre and discussed the following agenda:

1. To review the Proposed course structures of B.Tech and M.Tech Under -20 regulations
2. To discuss Syllabi of the Courses in I. B. Tech Civil Engineering and M.Tech Structural Engineering

**Minutes of meeting:**

1. Dr. P. Kodanda Rama Rao recommended to include "House Wiring" in the course "Applied mechanics and Building trade practice".
2. Dr. P. Kodanda Rama Rao proposed to change the name of the course "Basics of Electrical and Mechanical Engineering" as "Elements of Electrical and Mechanical Engineering. Dr. S.R.K. Reddy and Dr. G. Reddy Babu suggested to present the above proposal at subject experts in external BOS meeting scheduled on 07-03-2020.
4. G. Sai Krishna suggested swapping the course "Engineering Geology and Geospatial applications" from II B.Tech-I to "Python programming" in II B.Tech-II Semester
3. Dr. S.R.K. Reddy suggested "Project planning and control" would be appropriate in III B.Tech II Semester rather than in III B.Tech-I Semester. G. Sai Krishna suggested to interchange "Watershed management" from III-II to "Project planning and control" in III-I. Further Dr. S.R.K Reddy advised to seek advice from BOS experts also.
4. K. Venkateswara Rao suggested title change of "Estimating, costing and valuation" as Estimation, costing and valuation in IV B.Tech -I Semester
5. A.H.L Swaroop suggested "Advanced Design of R. C Concrete structures" would be appropriate after learning "Prestressed concrete structures".
6. Dr. A. Sreenivasulu recommended change in name of the course from Repairs, Retrofitting and Rehabilitation as "Repairs, Rehabilitation and Retrofitting of Structures:.

# Members Attended

S.No.	Name of the faculty	Signature
1	Dr.S.R.K.Reddy	S. R. K. Reddy
2	Dr.P.Kodanda Rama Rao	P. K. d. Rama Rao
3	Dr.G.Reddy Babu	G. Reddy Babu
4	Dr.A.Sreenivasulu	A. Sreenivasulu
5	Sri K.Venkateswara Rao	K. Venkateswara Rao
6	Dr.C.Rajakumar	C. Rajakumar
7	Sri PhaniKumar.V	Phani Kumar V
8	Sri A.H.L.Swaroop	A. H. L. Swaroop
9	Sri G.Sai Krishna	G. Sai Krishna
10	Sri G.T.N.Veerendra	G. T. N. Veerendra
11	Ms.S.Bhanupravallika	S. Bhanupravallika
12	Sri Ch.Naga Bharath	Ch. Naga Bharath
13	Sri PSS Anjaneya Babu	PSS Anjaneya Babu
14	Sri S.Arunchaitanya	S. Arunchaitanya
15	Sri N.Haripavan	N. Haripavan
16	Sri M.DurgaRao	M. Durga Rao
17	Sri A.V.Phani Manoj	A. V. Phani Manoj
18	Dr.V.V.Praveen Kumar	V. V. Praveen Kumar
19	Dr.Subhashish Dey	Dr. Subhashish Dey
20.	Sri. A. Anurag	A. Anurag
21	Sri K.Siva Ram	K. Siva Ram
22	Sri S.Eswar	S. Eswar

# **GUDLAVALLERU ENGINEERING COLLEGE**

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Seshadri Rao Knowledge Village, Gudlavalleru – 521 356.

## **Department of Civil Engineering**

### **Suggestions made by BOS Experts in BoS Meeting held on 7<sup>th</sup> March, 2020.**

#### **Suggestions on Tentative Guidelines:**

- As extent as possible MOOCS' courses should be completed by III-II.
- Selection of the MOOCS' course should be such that the syllabus should not match more than 40% of our courses.
- Introducing societal impact Project in curriculum with one credit is accepted.
- As extent as possible Mini project/Survey camp can also be done in societal relevance.
- **Five Professional electives and Three Open electives** are sufficient.
- T&P/skill Development with four credits concept is good however suggestions can be made on it when the syllabus is given.

#### **Suggestions on Course Structure:**

##### **In Zero Semester:**

- Concepts on **Smart city** can be included to give an idea of what Actually it is and how it is to be designed and facilities included.
- **Industrial visits** needs included under the activity to give a broader prospective of understanding the applications of the theoretical knowledge.
- **Group discussion** session may be included which will be helpful for enhancement of communication skills
- **Presentation by students** can be included as an activity for the development of good presentation skills.

##### **In Remaining Semesters:**

- **Basics of Civil Engineering** need to be included as subject for study in I-I
- The title of **Engineering CAD lab** may be changed to **Civil Engineering CAD lab**
- To change the title of the Course "**Mechanics of Fluids**" as "**Fluid Mechanics**".
- Modifying the title and content in the course "**Python programming**" (II-II) by including Numerical applications making the course as Basic Science course and advised to add civil engineering applications.
- To change the title of the course "**Transportation Engineering lab**" as "**Highway Materials lab.**"

- **Foundation engineering** course may be converted as normal theory course instead of integrated course.
  - **Traffic Engineering** would not be appropriate as an Open Elective for (Other than CE) and suggested to introduce a subject **Basics of Environmental Engineering**
- Syllabi related comments**
- Reformat the syllabi of **Functional English & Professional Communication** including labs so that those are in consistent with other courses.
  - In **Problem solving using C** the experts suggested to add more number of programmes instead of restricting the Two programmes in each unit.
  - In **Integral Transforms and multiple integrals** subject, the title of I unit is changed to **Integral Transforms** instead of **Laplace transforms** and include **Fourier transforms** in content.
  - The syllabus of **Engineering chemistry** is suggested to modify as per these guidelines i.e Unit-I as Chemical bonding, Unit-II as Spectroscopic techniques and applications, Unit-III as Surface Chemistry and Electrochemistry, Unit-IV as Cement Chemistry and Unit-V as Nano materials and Green Chemistry.
  - To modify the syllabus of **Universal Human Values2: Understanding harmony changing Modules as Units**
  - In the Course **Engineering Geology and Geospatial Techniques** recommended the weightage of syllabus content **Engineering Geology** as 60% and for **Geospatial Techniques** to 40%.
  - ASCE format is suggested to follow in citation of text books and reference books for all the courses

**Suggestions on PG Course structure & Syllabi:**

- **Computational Methods** in Structural engineering course can be offered as elective instead of core.
- The course structure i.e. subjects in three semesters as per AICTE guidelines are accepted.
- In second semester, **Industrial Structures** need to be included as a subject
- In Audit Course 1, **Machine learning techniques** can be included.
- In Audit Course 2, **Application of Machine learning** using some platforms like **Python or MAT Lab** can be included.

P. K. S.

Head of Civil Engineering  
Gudlavalleru Engineering College  
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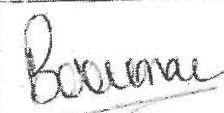
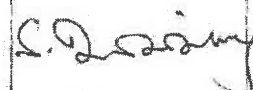

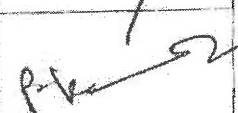


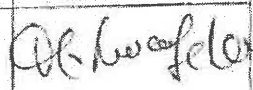
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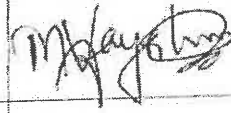
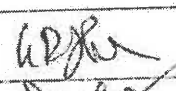
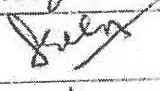
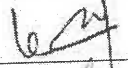






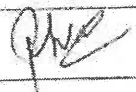
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
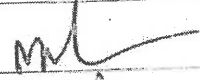


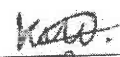




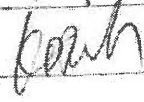

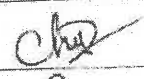



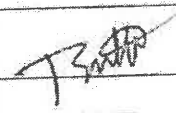

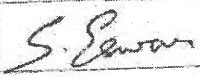
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Department of Civil Engineering


Members present for the Board of Studies (BOS) meeting held on 07-03-2020

S. No	Name	Designation	Position	Signature
1	Dr.P.Ravindra Babu	Principal, Gudlavalleru Engineering College	Invitee	
2	Dr.G.V.S.N.R.V.Prasad	Vice Principal – Academics, Gudlavalleru Engineering College	Invitee	
3	Dr.B.Karuna Kumar	Vice Principal - Administration, Gudlavalleru Engineering College	Invitee	
4	Dr. S.R.K.Reddy	Professor & Advisor to the Management	Member	
5	Dr.P.Nageswara Reddy	Director A&A, Gudlavalleru Engineering College	Invitee	
6	Dr. P. Kodanda Rama Rao	Professor & HOD of CE Chairman - Board of studies	Chairman	
7	Dr A. Dali Naidu	Associate Professor, Department of Civil Engineering, IITM, Chennai	Subject Expert	
8	Dr. T.V.Praveen	Professor, Department of Civil Engineering, Andhra University College of Engineering, Visakhapatnam	Subject Expert	
9	Dr.S.Vijayakumar	Managing Director, Vijay Nirman Construction Company, Visakhapatnam	Subject Expert	Not Attended
10	Dr.Swarupa Rani	Professor in Civil Engineering, JNTUK, Kakinada	Subject Expert	
11	Ms.Satagopam Padma Tejaswi	Alumni, Pursuing Ph.D, NIT Warangal, Warangal	Subject Expert	Not Attended

S. No	Name	Designation	Position	Signature
12	Dr. L. Ravi Srinivas	Head of the Department Electrical and Electronics Engineering	Invitee	
13	Dr. M.R.Ch. Sastry	Head of the Department Mechanical Engineering	Invitee	-
14	Dr. V.V.K.D.V.Prasad	Head of the Department Electronics and Communication Engineering	Invitee	
15	Dr. S. Narayana	Head of the Department Computer Science and Engineering	Invitee	
16	Dr. Ch. Kavitha	Head of the Department Information Technology Engineering	Invitee	
17	Dr. Ch.Nirmal Chand	Head of the Department Master of Business Administration Engineering	Invitee	-
18	Dr. G. S. Bhaskara Rao	Head of the Basic Science Humanities Department	Invitee	
19	Dr. M.Vijaya Lakshmi	Head of the English Department	Invitee	
20	Mr.K.Saikrishna	Training & Placement Officer	Invitee	-
21	Dr.G.Reddy Babu	Professor	Member	
22	Dr.A.Sreenivasulu	Professor	Member	
23	Mr. K.Venkateswara Rao	Associate Professor	Member	
24	Dr.C.Rajakumar	Associate Professor	Member	
25	Mr. Phani Kumar.V	Sr.Gr.Asst. Professor	Member	-
26	Mr. A.H.L.Swaroop	Sr.Gr.Asst. Professor	Member	
27	Mr. G.Sai Krishna	Assistant Professor	Member	
28	Mr.G.T.N.Veerendra	Assistant Professor	Member	
29	Ms.S.Bhanupravallika	Assistant Professor	Member	
30	Mr. Ch.Naga Bharath	Assistant Professor	Member	
31	Mr. P.S.S. Anjaneya Babu	Assistant Professor	Member	

S. No	Name	Designation	Position	Signature
32	Mr.S.Arunchaitanya	Assistant Professor	Member	
33	Mrs.K.Prafulla Devi	Assistant Professor	Member	
34	Mr. V.Raghudeep	Assistant Professor	Member	
35	Mr. N.Haripavan	Assistant Professor	Member	
36	Mr. S.Sai Charan	Assistant Professor	Member	
37	Mr.K.Viseshkumar	Assistant Professor	Member	
38	Mr.M.DurgaRao	Assistant Professor	Member	
39	Mr. A.V.Phani Manoj	Assistant Professor	Member	
40	Ms. M. Sandhya	Assistant Professor	Member	
41	Sri K.Nagarjuna	Assistant Professor	Member	
42	Dr. V.V.Praveen Kumar	Assistant Professor	Member	
43	Sri P.Praneet Sai Kumar	Assistant Professor	Member	
44	Dr.Subhashish Dey	Assistant Professor	Member	
45	Sri A.Anurag	Assistant Professor	Member	
46	Sri K.Dinesh Kumar	Assistant Professor	Member	
47	Sri K.Siva Ram	Assistant Professor	Member	
48	Mrs.Ch.S.Tirumala Devi	Assistant Professor	Member	
49	Ms.L.Manjusha	Assistant Professor	Member	
50	Sri S.Venkatesh	Assistant Professor	Member	
51	Ms.N.Yeshaswini Sai Priya	Assistant Professor	Member	
52	Sri B.Ramakrishna	Assistant Professor	Member	
53	Ms.M.L.Sirisha	Assistant Professor	Member	
54	Mr.S.Eswar	Assistant Professor	Member	
55			Subject expert from Electrical and Electronics Engineering	

S. No	Name	Designation	Position	Signature
56			Subject expert from Mechanical Engineering	Not attended
57			Subject expert from Electronics and Communication Engineering	Not Attended
58	J.N.V.R. SWARUP KUMAR	Asst. Prof	Subject expert from Computer Science and Engineering	
59	K. Praneetha	Assistant Professor	Subject expert from Information Technology Engineering	
60	T Hemanth Kumar	Asst. Prof.	Subject expert from Master of Business Administration Engineering	
61	Dr. PSV Srinu Babu	Assistant Professor of Mathematics	Subject expert from Basic Science Humanities Department	
62			Subject expert from English Department	Not Attended

  
 Head of Civil Engineering  
 Gudlavallera Engineering College  
 Sashadi Red Knowledge Village  
 GUDLAVALLERU-521356.

**GUDLAVALLERU ENGINEERING COLLEGE**  
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**Department of Civil Engineering**

Date: 02-05-2021

Minutes of 2<sup>nd</sup> Board of Studies (BOS) meeting under R-20 Regulations held on 22-05-2021 through Online mode.

**Agenda:**

- i. Finalizing the B.Tech Course Structure (CE) under R20 Regulations
- ii. Finalizing the II, III and IV year B.Tech Syllabi under R20 Regulations
- iii. Discussion the Curriculum and Syllabi for Introducing the New courses, Open and Professional electives, and the Honour and Minor Degrees in Civil engineering.
- iv. Discussion on Syllabi of II M.Tech (Structural Engineering) under R20 Regulations
- v. Any other matter with the permission of the Chair



Dr. A. Sreenivasulu  
Chairman - BOS / CE  
GEC, Gudlavalleru

# GUDLAVALLERU ENGINEERING COLLEGE

(An Autonomous Institute with Permanent Affiliation to JNTUK, Kakinada)  
Seshadri Rao Knowledge Village, Gudlavalleru – 521 356

## Department of Civil Engineering

Minutes of 2<sup>nd</sup> Board of Studies (BOS) meeting under R-20 Regulations held on 22-05-2021 through Online mode.

### Minutes of the meeting:

1. At the outset, the Chairman of Board of Studies welcomed the experts and members to the Second meeting of BOS under R-20 Regulations.
2. Chairman, Dr. A. Sreenivasulu, introduced the external BOS Members to the board and then internal members introduced themselves.
3. Address by the Chairman regarding the curricular components of proposed B.Tech under R-20 curriculum
4. Presentation of the proposed B. Tech (R20 Curriculum) Course Structure and Syllabi by the Chair
5. Presentation of Curriculum for Honour and Minor Degrees by the Chair

The following external members nominated by the Academic Council joined the meeting.

1. Dr. V. Srinivasulu	-	Professor	-	JNTUK, Kakinada
2. Dr. A. Raja Gopal	-	Professor	-	IIT Hyderabad
3. Dr. M. Chandra Sekhar	-	Professor	-	NIT Warangal
4. Sri P. Gandhi	-	Chief Scientist	-	SERC, Chennai
5. Sri Manikanth Naredla	-	Project Engineer	-	AECOM Pvt. Ltd.

The Online meeting was started at 10 AM on 22-05-2021 through Microsoft Teams Platform.

The following members attended the Online BOS meeting

Full Name	User Action	Timestamp
Dr. A. Sreenivasulu	Joined	5/22/2021, 9:08:54 AM
Dr. P. Ravindra Babu	Joined	5/22/2021, 9:58:45 AM
Dr. S.R.K. Reddy (Guest)	Joined	5/22/2021, 9:56:21 AM
Dr. M. R. Ch. Sastry	Joined	5/22/2021, 10:05:24 AM
Dr. B. Karuna Kumar	Joined	5/22/2021, 9:59:43 AM
Dr. P. Kodanda Rama Rao	Joined	5/22/2021, 9:49:40 AM
Vemu Sreenivasulu (Guest)	Joined	5/22/2021, 10:00:46 AM
Amirtham Rajagopal (Guest)	Joined	5/22/2021, 10:05:23 AM
Chandrasekhar M	Joined	5/22/2021, 9:59:53 AM
P Gandhi (Guest)	Joined	5/22/2021, 9:49:12 AM
Naredla, Manikanth	Joined	5/22/2021, 9:55:08 AM
Kalyanapu Venkateswara Rao (Guest)	Joined	5/22/2021, 9:39:40 AM
Dr. C. Rajakumar (Guest)	Joined	5/22/2021, 10:58:52 AM

A. H. L. Swaroop	Joined	5/22/2021, 9:49:22 AM
Phani Kumar. V	Joined	5/22/2021, 10:03:12 AM
P. S. S. Anjaneya Babu	Joined	5/22/2021, 9:43:32 AM
Dr. V. V. Praveen Kumar	Joined	5/22/2021, 9:43:58 AM
K. Nagarjuna	Joined	5/22/2021, 9:44:07 AM
Ch. Naga Bharath	Joined	5/22/2021, 9:46:39 AM
Dr. Subashish Dey	Joined	5/22/2021, 9:46:48 AM
B. Ramakrishna	Joined	5/22/2021, 9:48:29 AM
N V Srinivasa Rao	Joined	5/22/2021, 9:48:48 AM
Vara Prasad	Joined	5/22/2021, 9:50:12 AM
S. Eswar	Joined	5/22/2021, 9:52:04 AM
M. L. Sirisha	Joined	5/22/2021, 9:53:40 AM
A. V. Phani Manoj	Joined	5/22/2021, 9:54:07 AM
Saran	Joined	5/22/2021, 9:56:57 AM
E V Prasad	Joined	5/22/2021, 9:57:38 AM
M. Sandhya	Joined	5/22/2021, 10:01:09 AM
N. Hari Pavan	Joined	5/22/2021, 10:01:14 AM
K. Dinesh Kumar	Joined	5/22/2021, 10:01:49 AM
P. Praneeth Sai Kumar	Joined	5/22/2021, 10:02:12 AM
M. Rajendra	Joined	5/22/2021, 10:02:54 AM
S K Saraswati	Joined	5/22/2021, 10:03:26 AM
Mounika	Joined	5/22/2021, 10:04:14 AM
Naga Babu	Joined	5/22/2021, 10:06:14 AM
J K S S Ram Charan	Joined	5/22/2021, 10:06:28 AM
M. Durga Rao	Joined	5/22/2021, 10:06:49 AM
L. Manjusha	Joined	5/22/2021, 10:10:37 AM
VINAY (Guest)	Joined	5/22/2021, 10:16:06 AM
Arun chaitanya	Joined	5/22/2021, 10:16:41 AM
A. Anurag	Joined	5/22/2021, 10:31:13 AM
O. Hindu	Joined	5/22/2021, 11:00:58 AM
Pallavi	Joined	5/22/2021, 11:15:28 AM

The comments/suggestions made by the experts and the action taken on various curricular aspects are as follows.

#### On open electives

S. No.	Suggestion / Comment	Action taken
1	Dr. M. Chandra Sekhar recommended to increase the Open elective components in the Curriculum	The decision on "Increasing the Open elective components" will be taken up in the common BOS meeting at Institute level
2	Manikanth Naredla suggested to include the subject "Watershed Management" as one of the Open elective options	The subject "Watershed Management" is already offered as one of the Professional elective – II subjects

### On II Year Course structure

S. No.	Suggestion / Comment	Action taken
1	Dr. M. Chandra Sekhar and Dr. A. Raja Gopal suggested to introduce the "Elements of Mechanical and Electrical Engineering" in II Year - I Sem instead of "Elements of Mechanical Engineering"	As suggested, the subject "Elements of Mechanical and Electrical Engineering" is included in II Year - I Semester in the place of "Elements of Mechanical Engineering"
2	Dr. A. Raja Gopal advised to modify the syllabus of Building Materials and Building Construction since two units are matching with syllabus of Concrete Technology	The repeated topics in the subjects of "Building Materials and Building Construction" and "Concrete Technology" are avoided
3	Dr. M. Chandra Sekhar and Dr. A. Raja Gopal suggested to split Geology and Geo spatial applications and also suggested to shift the topic "Geo spatial applications" to the subject "Surveying"	Some topics related to Geo spatial applications have been shifted to the subject "Surveying"

### On III Year Course Structure

S. No.	Suggestion / Comment	Action taken
1	Dr. A. Raja Gopal suggested to increase the credits from 2 to 3 for Soil Mechanics in III-I and at the same time, the credits for Building Planning and Drawing can be reduced from 3 to 2	The number of credits for the subject "Soil Mechanics" is increased from 2 to 3 and at the same time, the credits for BPD are reduced from 3 to 2.
2	Dr. A. Raja Gopal suggested to modify the syllabus of "Advanced Concrete Technology" by replacing the units II and III with some advanced topics viz. special concretes etc. as the syllabus in units II and III is already covered in Concrete Technology subject	The syllabus of Advanced Concrete Technology is revised by avoiding the repetition of topics.
3	Dr. A. Raja Gopal advised to add Hibbeler text book in the references of "Theory of structures" subject	The text book written by Hibbeler has been added in the References of "Theory of Structures" subject
4	Dr. A. Raja Gopal and Dr. M. Chandra Sekhar suggested to remove the drawing part from the subject (i.e) "Design and Drawing of RC Structural elements"	As it is a project based theory subject, it requires drawing part also. Hence, the title of the subject is kept as it is.
5	Dr. A. Raja Gopal suggested to shift the subject "Finite Element Method" from professional elective to open elective	As "Finite Element Method" is an important subject to Civil Engineering students, it is offered as professional elective.
6	Dr. A. Raja Gopal suggested to include the subjects like Thermo Dynamics, Artificial Intelligence and Machine Learning in III year as core or elective subjects	Some of these subjects are already offered as Open electives

### On IV Year Course Structure

S. No.	Suggestion / Comment	Action taken
1	Dr. A. Raja Gopal and Dr. M. Chandra Sekhar suggested to remove the drawing part from the subject (ie) "Design and drawing of steel structures"	As it is a project based theory subject, it requires drawing part also. Hence, the title of the subject is kept as it is.
2	Dr. A. Raja Gopal suggested to start the Project work as Phase-1 in IV year I Sem itself.	The decision on "Introducing the Project work Phase - 1 in IV year I Semester" will be taken up in the common BOS meeting at Institute level
3	Dr. A. Raja Gopal suggested to include 1 or 2 Professional electives in IV Year II Sem	As per APSCHE, AICTE and JNTUK guidelines, the students may be allowed going to the Industries for Internships. Hence, no subjects are allocated in IV Year II Semester except Project work
4	Dr. A. Raja Gopal suggested to replace the Subject "Pre-cast concrete structures" with some other innovative subjects like "Condition Assessment of Structures" or "Health Monitoring of Structures"	The topics of "Health Monitoring of structures" is covered in the subject "Repair, Retrofitting and Rehabilitation of structures" which is offered as Professional elective - V

### On Honors Degree

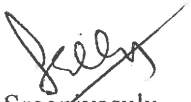
S. No.	Suggestion / Comment	Action taken
1	Dr. A. Raja Gopal suggested that the Subject "Structural Dynamics" should be taught first in II Year - II Semester and then it is followed by "Introduction to Earthquake Engineering" in III Year -I Semester	The order of subjects in Course structure has been changed as per the suggestion.
2	Dr. A. Raja Gopal also suggested that subject "Earthquake Resistant Design of Special structures" can be replaced by another important subject "Soil Dynamics"	The Subject "Soil Dynamics" has been incorporated in place of "Earthquake Resistant Design of Special structures"

### On Minor Degree

S. No.	Suggestion / Comment	Action taken
1	Dr. A. Raja Gopal suggested that the Subject "Surveying and Geomatics" can be replaced by any analysis or design oriented subject	"Surveying" is very essential subject in Civil Engineering and also an important subject for the students of other branches. Hence it is kept as it is.
2	Dr. A. Raja Gopal suggested to change the title of subject "Construction Materials" as "Building Materials & Construction" and also to change the order of subjects in the Course structure	It is felt that the title of the subject "Construction Materials" is appropriate. However, the order of the subjects is re-oriented.

## M. Tech

S. No.	Suggestion / Comment	Action taken
1	Dr. A. Raja Gopal advised to change the title of subject "Theory of Elasticity" as "Theory of Elasticity & Plasticity" in M.Tech I semester.	The subject "Theory of Elasticity" is already being offered by the first batch M.Tech students of R20-regulations and the class work is in progress. Hence, this modification may be taken up in the next BOS.

  
Dr. A. Sreenivasulu  
Chairman - BOS / CE  
GEC, Gudlavalleru

**SESHADRI RAO GUDLAVALLERU ENGINEERING COLLEGE**

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

Seshadri Rao Knowledge Village, Gudlavalleru – 521 356

**Department of Civil Engineering**

Date: 25-04-2022

Minutes of 3<sup>rd</sup> Board of Studies (BOS) meeting of Civil Engineering under R-20 Regulations which was held on 29-04-2022 through Online mode.

**Agenda:**

- i. To discuss and finalize the Syllabi of III and IV year B.Tech Civil Engineering under R-20 (Autonomous) Regulations
- ii. To discuss and finalize the Syllabi for Honor and Minor Degree offered by the Civil Engineering department
- iii. To discuss and finalize the New courses, Open and Professional electives.
- iv. Any other matter with the permission of the Chair



Dr. A. Sreenivasulu  
Chairman - BOS  
Professor and HOD of CE

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(An Autonomous Institute with Permanent Affiliation to JNTUK, Kakinada)  
Seshadri Rao Knowledge Village, Gudlavalleru – 521 356

**Department of Civil Engineering**

Minutes of 3<sup>rd</sup> Board of Studies (BOS) meeting of Civil Engineering under R-20 Regulations which was held on 29-04-2022 through Online mode.

**Agenda:**

- i. To discuss and finalize the Syllabi of III and IV year B.Tech Civil Engineering under R-20 (Autonomous) Regulations
- ii. To discuss and finalize the Syllabi for Honor and Minor Degree offered by the Civil Engineering department
- iii. To discuss and finalize the New courses, Open and Professional electives.
- iv. Any other matter with the permission of the Chair

**Minutes of the meeting:**

1. At the outset, the Chairman of Board of Studies of Civil Engineering welcomed the experts and members to the Third meeting of BOS under R-20 Regulations
2. The Chairman of BOS, Dr.A. Sreenivasulu, introduced the external BOS Members to the board and the internal members introduced themselves
3. The Chairman addressed the curricular components of proposed B.Tech under R-20 curriculum
4. The Chairman presented the proposed Course Structure (R20 Curriculum) and Syllabi of Four year B.Tech Program
5. The Chairman presented the proposed Course structure and Syllabi (R20 Curriculum) of Honor and Minor Degrees to be offered for the eligible B.Tech Civil Engineering students

The Online meeting was started at 10 AM on 29-04-2022 through Microsoft Teams Platform.

The following external members, nominated by the Academic Council, joined the meeting.

- |                          |   |                  |   |                 |
|--------------------------|---|------------------|---|-----------------|
| 1. Dr. V. Srinivasulu    | - | Professor        | - | JNTUK, Kakinada |
| 2. Dr. A. Raja Gopal     | - | Professor        | - | IIT Hyderabad   |
| 3. Dr. M. Chandra Sekhar | - | Professor        | - | NIT Warangal    |
| 4. Sri P. Gandhi         | - | Chief Scientist  | - | SERC, Chennai   |
| 5. Sri Manikanth Naredla | - | Project Engineer | - | AECOM Pvt. Ltd. |

All the faculty of Civil Engineering department and college officials other members of Seshadri Rao Gudlavalleru Engineering College participated in the BOS meeting. The comments/suggestions made by the experts and the action taken on various curricular aspects are as follows.

**Dr. M. Chandra Sekhar**

S. No.	Suggestions / Comments	Action Taken
1	The titles of courses offered by T&P viz. Linguistic competency building, Problem solving enhancement, Programming for corporate etc. may be modified appropriately	As these courses are common to all the branches, the comments made by the member is submitting to the principal for discussion at College Level

**Dr.A. Raja Gopal**

S. No.	Suggestions / Comments	Action Taken
1	He suggested to remove the drawing part from the subjects "Design and Drawing of Concrete structures" and "Design and Drawing of Steel structures" and suggested to combine both subjects	As these subjects are offered separately by the affiliating University, it is finalized to keep the titles of the subjects as it is
2	Building Planning and Drawing is an integrated theory cum laboratory oriented course. He suggested to convert into a pure laboratory course so that the credits can be reduced	Building Planning and Drawing will be changed as a Laboratory course
3	Structural analysis and Theory of structures courses may be offered as Determinate and Indeterminate structural analysis courses	It is not practically possible to offer since the topics in both the courses include determinate and indeterminate structures by keeping the syllabus balanced
4	He suggested to remove Kani's Method and instead, the Matrix methods can be made into 2 units in Theory of Structures course and he suggested to include the Kani's method in Structural Analysis course after slope deflection method.	The Kani's method is a self-correction method and more over it is important for the analysis of frames. The Structural Analysis course is in II year and the syllabus is already approved in previous BOS meeting and hence the modification in Structural Analysis syllabus is not possible
5	He suggested to keep the text book "Structural Analysis by R.C. Hibbeler" as the first text book for the subject. Also suggested to include the text book "Matrix analysis by William weaver and James M. Gere" in the Theory of Structures course	The suggestions given regarding the text books by Prof. A. Raja gopal are rightly taken and will be implemented
6	He suggested to combine theory and laboratory courses of Surveying so that, the credits can be minimized. Also suggested to avoid survey camp and encourage the students to do mini projects	The Surveying course is offered in II year. The subjects and syllabi of II year is already approved in the last BOS meeting. Hence, combining the theory and laboratory courses of Surveying is not possible. Survey camp is offered in combination with Mini Project. A student may choose Mini project instead of Survey Camp if he/she is not interested in surveying

7	He suggested to shuffle the units 2 and 3 in Design of Reinforced Concrete Structures course	The units 2 and 3 are mutually interchanged in Design of Reinforced Concrete Structures course
8	He suggested to include Air Pollution and Environmental related subjects as core subjects instead of Design and Drawing subjects	Presently the subjects like Air Pollution and Control, Environmental Impact Assessment, etc. are offered as Professional elective subjects. and hence, it is not possible to offer them as core subjects
9	He suggested to include Structural Analysis and Structural Design oriented subjects in Minor degree	As Minor degree is offered for the other branch students, it is difficult for them to study Analysis oriented subjects without having the basics or fundamentals. Moreover, the subjects in Minor degree are chosen by keeping in view all the areas of Civil Engineering
10	He suggested to replace the course "Structural Instrumentation and Reliability Engineering" in Honors degree with Theory of Elasticity and Plasticity	As suggested the "Theory of Elasticity and Plasticity" course is included in the place of "Structural Instrumentation and Reliability Engineering" in Honors degree
11	He suggested to incorporate Special types of concretes as 2 units in "Advanced concrete technology" course	The Syllabus is modified as per his suggestion

#### Sri P. Gandhi

S. No.	Suggestions / Comments	Action Taken
1	Whatever the modifications suggested by Prof. M. Chandra Sekhar & Prof. A. Raja Gopal are more helpful for making the Course structure and syllabi reasonable and if possible, their suggestions may be implemented	All the suggestions will be implemented as much as possible
2	He suggested to organize the next BOS meeting through offline	This suggestion will be taken to the notice of the Principal for taking a decision

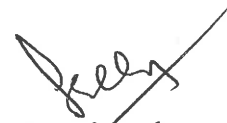
6. The following New courses are introduced

After discussions in BOS the following New courses are introduced

1. Applied Mechanics
2. Fluid Mechanics
3. Engineering Geology & Geo-spatial Applications
4. Soil Mechanics
5. Building Drafting and Studio Lab

7. The following Open and Professional electives are introduced

1. Environmental laws and Policies
2. Introduction to Earthquake Engineering
3. Advanced Concrete Technology
4. Finite Element Methods
5. Solid waste Management



Dr. A. Sreenivasulu  
Chairman - BOS  
Professor and HOD of CE

Full Name	User Action	Timestamp
HoD CE	Joined	4/29/2022, 9:37:49 AM
HoD CE	Joined	4/29/2022, 9:39:33 AM
P. S. S. Anjaneya Babu	Joined before	4/29/2022, 9:37:49 AM
P. S. S. Anjaneya Babu	Joined	4/29/2022, 9:39:34 AM
Dr. A. Sreenivasulu (Guest)	Joined	4/29/2022, 9:38:35 AM
G.Sai Krishna (Guest)	Joined	4/29/2022, 9:40:16 AM
A. H. L. Swaroop	Joined	4/29/2022, 9:43:28 AM
A. H. L. Swaroop	Joined	4/29/2022, 10:18:42 AM
A. H. L. Swaroop	Joined	4/29/2022, 10:19:45 AM
A. H. L. Swaroop	Joined	4/29/2022, 10:28:17 AM
A. H. L. Swaroop	Joined	4/29/2022, 10:30:58 AM
N. Hari Pavan	Joined	4/29/2022, 9:44:59 AM
Dr. A. Srinivasulu	Joined	4/29/2022, 9:45:01 AM
Dr. A. Srinivasulu	Joined	4/29/2022, 10:26:33 AM
Loya.Ganesh Babu (Guest)	Joined	4/29/2022, 9:45:11 AM
Loya.Ganesh Babu (Guest)	Joined	4/29/2022, 12:02:24 PM
Phani Kumar. V	Joined	4/29/2022, 9:45:55 AM
Phani Kumar. V	Joined	4/29/2022, 11:06:19 AM
Sri. Gandhi P. SERC	Joined	4/29/2022, 9:46:46 AM
K. Venkateshwara Rao	Joined	4/29/2022, 9:50:26 AM
K. Venkateshwara Rao	Joined	4/29/2022, 11:21:19 AM
Dr. P. Ravindra Babu	Joined	4/29/2022, 9:51:31 AM
Dr P Kodanda Rama Rao (Guest)	Joined	4/29/2022, 9:56:15 AM
Naredla, Manikanth	Joined	4/29/2022, 9:58:13 AM
Naredla, Manikanth	Joined	4/29/2022, 10:08:53 AM
Naredla, Manikanth	Joined	4/29/2022, 10:39:55 AM
Naredla, Manikanth	Joined	4/29/2022, 10:48:34 AM
Naredla, Manikanth	Joined	4/29/2022, 11:02:16 AM
Dr. B. Karuna Kumar	Joined	4/29/2022, 9:58:24 AM
Dr P Swamy Naga Ratna Giri	Joined	4/29/2022, 9:59:34 AM
Dr P Swamy Naga Ratna Giri	Joined	4/29/2022, 11:19:04 AM
S. Madhavi	Joined	4/29/2022, 9:59:58 AM
Prof M Chandra Sekhar NIT Warangal (Guest)	Joined	4/29/2022, 10:01:01 AM
Dr G V S N R V Prasad	Joined	4/29/2022, 10:01:40 AM
M. Durga Rao	Joined	4/29/2022, 10:02:44 AM
G. T. N. Veerendra	Joined	4/29/2022, 10:03:00 AM

G. T. N. Veerendra	Joined	4/29/2022, 11:18:19 AM
G. T. N. Veerendra	Joined	4/29/2022, 11:43:09 AM
Ch. Naga Bharath	Joined	4/29/2022, 10:03:13 AM
mls (Guest)	Joined	4/29/2022, 10:03:17 AM
Amirtham Rajagopal (Guest)	Joined	4/29/2022, 10:03:32 AM
Dr. M. R. Ch. Sastry	Joined	4/29/2022, 10:04:41 AM
Prof M Chandra Sekhar NIT Warangal (Guest)	Joined	4/29/2022, 10:04:42 AM
Prof M Chandra Sekhar NIT Warangal (Guest)	Joined	4/29/2022, 12:09:46 PM
M. Praveen	Joined	4/29/2022, 10:08:09 AM
Dr. S. R. K. Reddy	Joined	4/29/2022, 10:10:44 AM
Principal GEC	Joined	4/29/2022, 10:11:35 AM
J K S S Ram Charan	Joined	4/29/2022, 10:11:39 AM
J K S S Ram Charan	Joined	4/29/2022, 11:35:51 AM
Vemu Sreenivasulu (Guest)	Joined	4/29/2022, 10:11:58 AM
Dr. G. Reddy Babu	Joined	4/29/2022, 10:13:52 AM
B. Ramakrishna	Joined	4/29/2022, 10:17:36 AM
Dr. C. Rajakumar	Joined	4/29/2022, 10:18:19 AM
Dr. Y. Rama Krishna	Joined	4/29/2022, 10:24:41 AM
Dr. Y. Rama Krishna	Joined	4/29/2022, 2:14:53 PM
O. Hindu	Joined	4/29/2022, 10:29:21 AM
Arun chaitanya	Joined	4/29/2022, 10:38:42 AM
Suresh saganti	Joined	4/29/2022, 10:44:30 AM
Dr P Kodanda Rama Rao (Guest)	Joined	4/29/2022, 10:44:32 AM
Pallavi	Joined	4/29/2022, 11:00:09 AM
G.Sai Krishna (Guest)	Joined	4/29/2022, 11:20:02 AM
Prof M Chandra Sekhar (Guest)	Joined	4/29/2022, 11:42:31 AM

# SESHADRI RAO GUDLAVALLERU ENGINEERING COLLEGE



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

Seshadri Rao Knowledge Village, GUDLAVALLERU-521 356, Krishna District, A.P., India

(Approved by AICTE, New Delhi and Permitted by A.P. State Government)

Accredited by NAAC

Phone Nos. 08674-273737, 273888, Mobile: +91 9848779121 Fax No. 08674-273957

e-mail: principal@gecgudlavalleru.ac.in, office@gecgudlavalleru.ac.in, Web: www.gecgudlavalleru.ac.in

**Dr. G. V. S. N. R. V. PRASAD**

M.S., M.Tech., Ph.D.,

MISTE, MIETE, MIE, MCSI, MISRS, MIAPR, MCRSI

**Principal**

REF: SRGEC/AUTONOMOUS/JNTUK/2022/430

11<sup>th</sup> October 2022

To  
The Registrar  
J.N.T. University Kakinada,  
Kakinada-533 003

Sir,

SUB: Autonomous Status – Reconstitution of Board of Studies – Request for the nomination of a member to the Board of Studies to the branch of Civil Engineering – Regarding.

\* \* \*


As per the 2018 guidelines of the UGC, the Boards of Studies are to be reconstituted in every three years. As the term of present Board of Studies is expired, I request you kindly to arrange for the nomination of one member to the Board of Studies of Civil Engineering branch by the Hon'ble Vice Chancellor of JNTUK, Kakinada from the enclosed panel suggested by this college.

We look to your favourable communication in this regard.

Thanking You,



Yours faithfully,

  
PRINCIPAL  
Seshadri Rao  
Gudlavalluru Engineering College  
Seshadri Rao Knowledge Village  
Gudlavalluru-521 356, Krishna District, A.P.

**SESHADRI RAO  
GUDLAVALLERU ENGINEERING COLLEGE**

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V.V.R.S.R Educational Society)

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KRISHNA DISTRICT, A.P, INDIA

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Website: [www.gecgudlavalleru.ac.in](http://www.gecgudlavalleru.ac.in)

**DEPARTMENT OF CIVIL ENGINEERING**

E-mail: [hod.ce@gecgudlavalleru.ac.in](mailto:hod.ce@gecgudlavalleru.ac.in)

**Dr. A. SREENIVASULU M. Tech., Ph.D**  
Professor & Head

Date : 25<sup>th</sup> April 2022

To  
Dr. A. Raja Gopal,  
Professor of Civil Engineering,  
IIT Hyderabad.

Dear Sir,

Sub: Third Board of Studies meeting for R-20 Regulations - Scheduled on 29th April  
2022 - Invitation to participate - Reg.

I am pleased to inform you that the Third BoS meeting of Civil Engineering department will be held on 29-04-2022 at 10.00 AM (Friday) through online mode using Microsoft Teams app. Hence, you are requested to attend the meeting and share your valuable suggestions.

**Agenda:**

- i. To discuss and finalize the Syllabi of III and IV year B.Tech Civil Engineering under R-20 (Autonomous) Regulations.
- ii. To discuss and finalize the Syllabi for Honor and Minor Degree offered by the Civil Engineering department.
- iii. Any other matter with the permission of the Chair.

Thanking you Sir,

Yours Sincerely,



(Dr. A. Sreenivasulu)  
BOS Chairman - CE

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**Dr. A. SREENIVASULU M.Tech., Ph.D**  
Professor & Head

Date : 25<sup>th</sup> April 2022

To  
Dr. M. Chandrasekhar,  
Professor of Civil Engineering,  
NIT Warangal.

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**Dr. A. SREENIVASULU M.Tech., Ph.D**  
Professor & Head

Date : 25<sup>th</sup> April 2022

To  
Mr. Naredla Manikanth,  
Project Engineer,  
AECOM Pvt. Ltd., Bangalore.

Dear Sir,

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Dr. A. SREENIVASULU M.Tech., Ph.D  
Professor & Head

Date : 25<sup>th</sup> April 2022

To  
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JNTUK, Kakinada.

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**Dr. A. SREENIVASULU M.Tech., Ph.D**  
**Professor & Head**

Date : 25<sup>th</sup> April 2022

To  
Sri P. Gandhi,  
Chief Scientist and Head,  
SERC, Chennai.

Dear Sir,

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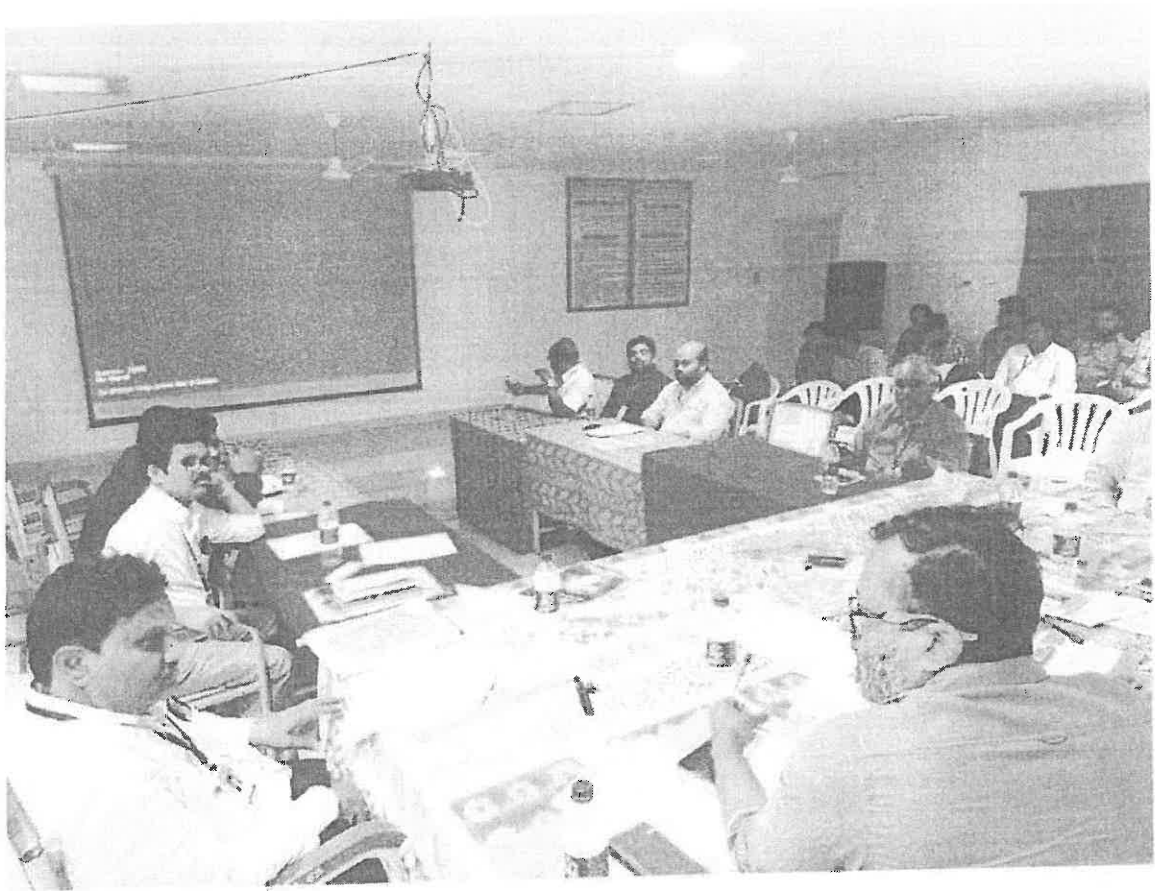
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- iii. Any other matter with the permission of the Chair.

Thanking you Sir,

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(Dr. A. Sreenivasulu)  
BOS Chairman - CE





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## GUDLAVALLERU ENGINEERING COLLEGE

SESHADRI RAO KNOWLEDGE VILLAGE:: GUDLAVALLERU

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

24<sup>th</sup> March, 2017

### CIRCULAR

All the faculty members are hereby informed that the First Meeting of Board of Studies for the A.Y. 2017-18 will be held on 25-03-2017, Saturday at 09.30 A.M in the A.C Seminar Hall. Hence you are requested to attend the meeting without fail.

### AGENDA

1. To discuss and finalize the revised course structure of UG and PG program to be effective from A.Y 2017-18.
2. To prepare and finalize the syllabi for various courses of study of Electrical and Electronics Engineering for both UG & PG (PEED) programs.
3. Any other item with the permission of the chair

  
(Dr.M.SIVA KUMAR)

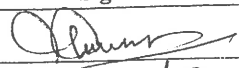
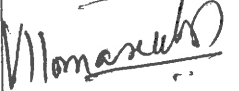
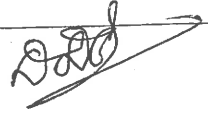
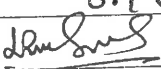
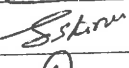


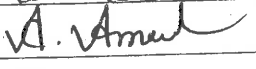
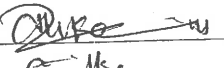

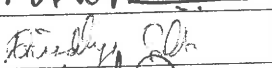
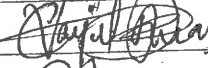
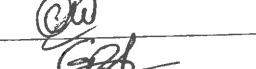

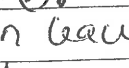

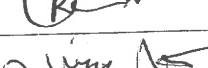
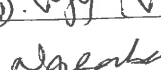
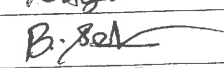

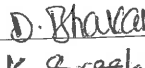
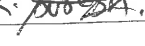

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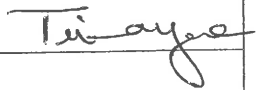
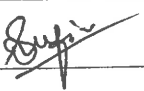
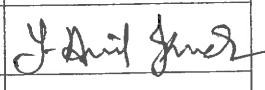
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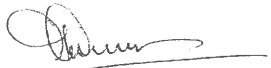
**GUDLAVALLERU ENGINEERING COLLEGE**  
**SESHADRI RAO KNOWLEDGE VILLAGE:GUDLAVALLERU**  
**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**

25<sup>th</sup> March 2017

**BOARD OF STUDIES**

S.No.	Name	Designation :	Position	Signature
1	Dr.M.Siva Kumar	Professor & HOD	Chairman	
2	Dr.V.T.Somasekhar	Professor, Department of Electrical & Electronics Engineering, National Institute of Technology, Warangal – 506004, A.P. India	Member (Subject Expert)	
3	Dr.P.Mallikharajuna Rao	Professor of Electrical & Electronics Engineering, University College of Engineering, Andhra University, Visakhapatnam	Member (Subject Expert)	Could not attend
4	Nominee of JNTUK	Dr.Debapriya Das, Professor of Electrical Engineering, IIT Kharagpur	Member (Subject Expert)	
5	Dr.G.Kasi Viswanadha Raju	Design Engineer, General Electrical Limited, Bangalore	Member (Representative from Industry)	Could not attend
6	Smt.K.Sindhura	Deputy Manger, Mahindra & Mahindra, R&D Section, Chennai	Member (Alumnus)	Could not attend
7	Dr.K.Alice Mary	Professor	Member	on leave
8	Dr.L.Ravi Srinivas	Professor	Member	
9	Dr.G.Srinivasa Rao	Professor	Member	
10	Dr.I.Satish Kumar	Professor	Member	
11	Sri.D.Srinivasa Rao	Associate Professor	Member	
12	Sri.A.Amarendra	Associate Professor	Member	
13	Smt.J.L.Santha Kumari	Associate Professor	Member	
14	Smt.Ch.Sujatha	Associate Professor	Member	
15	Sri.Md.Rafi Khan	Associate Professor	Member	
16	Smt.K.Vindhya Smitha	Associate Professor	Member	
17	Sri.E.Vargil Kumar	Associate Professor	Member	
18	Sri.B.Dasu	Associate Professor	Member	
19	Sri.G.Balaji	Assistant Professor	Member	
20	Sri.B.Mahesh Babu	Assistant Professor	Member	
21	Sri.K.Santhosh Kumar	Assistant Professor	Member	on leave
22	Sri.J.Hema Sundar	Assistant Professor	Member	
23	Sri.G.Ramesh	Assistant Professor	Member	
24	Sri.D.Vijay Arun	Assistant Professor	Member	
25	Sri.Naga Babu Viswanadha palli	Assistant Professor	Member	
26	Sri.B.Satish	Assistant Professor	Member	
27	Sri.Prathap Babu Vuyyuru	Assistant Professor	Member	
28	Sri.D.Bhavana Rushi	Assistant Professor	Member	
29	Sri.K.Suresh	Assistant Professor	Member	

30	Sri. P.B.Koteswara Rao	Assistant Professor	Member	
31	Sri.V.Gowtham	Assistant Professor	Member	—
32	Sri.Shaik Rizwana	Assistant Professor	Member	—
33	Sri.Ganta Aditya	Assistant Professor	Member	—
34	Sri.Palla Jayanth	Assistant Professor	Member	—
35	Sri.B.Rama Krishna	Assistant Professor	Member	
36	Sri. B.Raviteja	Assistant Professor	Member	—
37	Sri.M.Suresh	Assistant Professor	Member	—
38	Smt.Ch.Trinayani	Assistant Professor	Member	
39	Sri.K.Sravan Kumar	Assistant Professor	Member	—
40	Sri. Pamu Prudhvi Raju	Assistant Professor	Member	—
41	Sri.V.Hemanth Kumar	Assistant Professor	Member	—
42	Sri.M.Prajeeth	Assistant Professor	Member	—
43	Ms.M.Archana	Assistant Professor	Member	—
44	Ms.B.Bindu	Assistant Professor	Member	—
45	Ms.Sufia Khanam	Assistant Professor	Member	
46	Sri.M.Chakravarthi	Assistant Professor	Member	—
47	Smt.Shaik Benazeer Karishma	Assistant Professor	Member	—
48	Sri.Y.Anil Kumar	Assistant Professor	Member	
49	Sri.S.V.Sudeep	Assistant Professor	Member	—
50	Sri.B. Ramkiran	Assistant Professor	Member	—
51	Ms.Sk. Jahera	Assistant Professor	Member	
52	Ms.B. Saritha	Assistant Professor	Member	—
53	Sri.B.Sudhkar	Assistant Professor	Member	—
54	Sri.P.Rajeev	Assistant Professor	Member	—
55	Smt.N.Parvathi	Assistant Professor	Member	—
56	Ms.T.Vazra Keerthi	Assistant Professor	Member	—



# GUDLAVALLERU ENGINEERING COLLEGE

SESHADRI RAO KNOWLEDGE VILLAGE:: GUDLAVALLERU

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

## BOS Meeting Minutes held on 25-3-17

### Suggestions made by Prof. V.T.Somasekhar

#### UG

- Change the name of Elements of Electrical Engineering as Elements of Electrical Circuits.
- Offer Environmental studies in II-I semester instead of III-I semester and Engineering Economics & Accountancy at III-II semester instead of II-I semester.
- Offer Control systems in III-I semester instead of II-II semester and Control systems lab in III-II semester instead of III-I semester.
- Change the synchronous machines subject title as synchronous machines & special machines
- Offer EMI in II-II semester instead of III-II semester and EMI lab in III-I semester instead of III-II semester.

#### PG

- Offer a new course titled as DSP & FPGA in I-I semester in place of Electric Drives & Control.
- Change the name of Electric Drives & Control subject as Advanced Electric Drives and offer it in I-II semester place of Soft computing Techniques.
- Change the name of Solar and Energy Systems as Renewable Energy & Storage Systems and prepare syllabus accordingly.


### Suggestions made by Prof.D.Das

#### UG

- Add one tutorial class for the following subjects
  1. Electronic Devices and Circuits [ (2+1) instead of (3+0)]
  2. Pulse and Integrated Circuits [ (2+1) instead of (3+0)]
- Offer DBMS as an elective subject instead of optional subject.
- Cyber security shall be offered as optional subject instead of elective and UEE subject shall be replaced with cyber security.

#### PG

- Allot some credits for dissertation (a) in III semester otherwise students would be relaxed.

  
(Dr.M.Siva Kumar)  
H.O.D

GUDLAVALLERU ENGINEERING COLLEGE  
SESHADRI RAO KNOWLEDGE VILLAGE::GUDLAVALLERU  
DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

18-05-2018

**CIRCULAR**

All the faculty members ( BOS members) are requested to attend the BOS meeting on 19-05-2018, 9.30A.M without fail.

Venue: N-216 (Mechanical Ac Seminar hall)



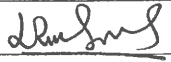


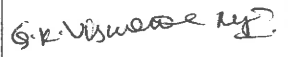
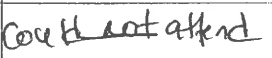
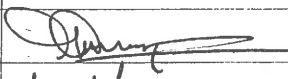
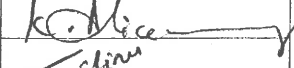
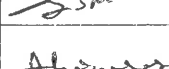
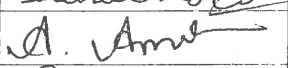
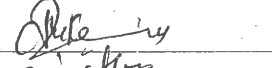
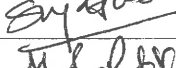
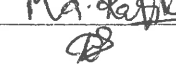
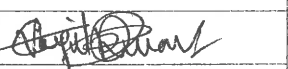

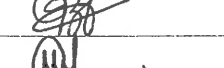
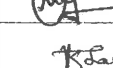
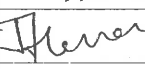
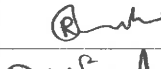
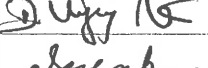
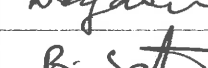

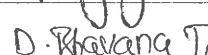




Dr. L. R. Srinivas

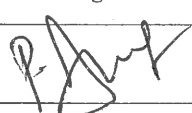
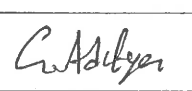
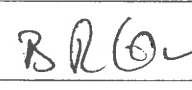
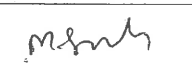
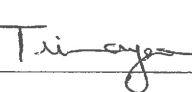

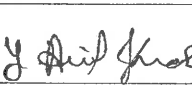
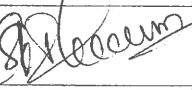
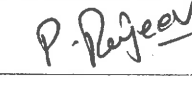

(Chairman, BOS)

**GUDLAVALLERU ENGINEERING COLLEGE**  
**SESHADRI RAO KNOWLEDGE VILLAGE:GUDLAVALLERU**  
**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**

19<sup>th</sup> May 2018

**BOARD OF STUDIES**

S.No.	Name	Designation	Position	Signature
1	Dr.L.Ravi Srinivas	Professor & HOD	Chairman	
2	Dr.V.T.Somasekhar	Professor, Department of Electrical & Electronics Engineering, National Institute of Technology, Warangal – 506004, A.P. India	Member (Subject Expert)	 19/5/18
3	Nominee of JNTUK	Dr.Debapriya Das, Professor of Electrical Engineering, IIT Kharagpur	Member (Subject Expert)	
4	Dr.G.Kasi Viswanadha Raju	Design Engineer, General Electrical Limited, Bangalore	Member (Representative from Industry)	
5	Smt.K.Sindhura	Deputy Manger, Mahindra & Mahindra, R&D Section, Chennai	Member (Alumnus)	
6	Dr.M.Siva Kumar	Professor	Member	
7	Dr.K.Alice Mary	Professor	Member	
8	Dr.G.Srinivasa Rao	Professor	Member	
9	Sri.D.Srinivasa Rao	Associate Professor	Member	
10	Sri.A.Amarendra	Associate Professor	Member	
11	Smt.J.L.Santha Kumari	Associate Professor	Member	
12	Smt.Ch.Sujatha	Associate Professor	Member	
13	Sri.Md.Rafi Khan	Associate Professor	Member	
14	Smt.K.Vindhya Smitha	Associate Professor	Member	
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24	Sri.B.Satish	Assistant Professor	Member	
25	Sri.Prathap Babu Vuyyuru	Assistant Professor	Member	
26	Sri.D.Bhavana Rushi	Assistant Professor	Member	

S.N o.	Name	Designation	Position	Signature
27	Sri. P.B.Koteswara Rao	Assistant Professor	Member	
28	Sri.V.Gowtham	Assistant Professor	Member	on leave
29	Ms. Shaik Rizwana	Assistant Professor	Member	on leave
30	Sri.Ganta Aditya	Assistant Professor	Member	
31	Sri.B.Rama Krishna	Assistant Professor	Member	
32	Sri. B.Raviteja	Assistant Professor	Member	Could not attend
33	Sri.M.Suresh	Assistant Professor	Member	
34	Smt.Ch.Trinayani	Assistant Professor	Member	
35	Sri.V.Hemanth Kumar	Assistant Professor	Member	Could not attend
36	Ms.Sufia Khanam	Assistant Professor	Member	
37	Sri.M.Chakravarthi	Assistant Professor	Member	could not attend
38	Smt.Shaik Benazeer Karishma	Assistant Professor	Member	on leave
39	Sri.Y.Anil Kumar	Assistant Professor	Member	
40	Sri.B. Ramkiran	Assistant Professor	Member	Could not attend
41	Ms.Sk. Jahera	Assistant Professor	Member	
42	Sri.P.Rajeev	Assistant Professor	Member	
43	Smt.N.Parvathi	Assistant Professor	Member	Could not attend
44	Ms.T.Vazra Keerthi	Assistant Professor	Member	Could not attend
45	Sri.B.Hanuman Dileep	Assistant Professor	Member	
46	Ms.P.Esther Rani	Assistant Professor	Member	Could not attend
47	Ms.Dandabathina Sujitha	Assistant Professor	Member	Could not attend

48. S. RAMBABU (MBA)

Assistant Professor

Member

S. 

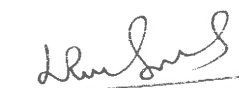
49 P. Rajani (BS&H) Asst. professor


Member

P. Rajani

50 Dr. G. S. BHASKARA RAO Prof & HOD (BS&H)

Member



  
19/5/2019

# **GUDLAVALLERU ENGINEERING COLLEGE**

## **DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**

### **Board of Studies Minutes of Meeting held on 19-05-2018**

#### **Suggestions made by Dr. V.T. Somasekhar**

- II-I courses should be preparatory courses for rest of the B.Tech course. Electromagnetic fields should be in II-I.
- Suggested to shift the subject Numerical methods and computer applications from II-I to II-II.
- Suggested to shift the subject Electromagnetic fields from II-II to II-I.
- Suggested to change the name of the subject Electronic switching systems. And also said, this subject is very tough for the students at 2<sup>nd</sup> year level.
- In professional elective – VI, Special electrical machines is suggested in place of Flexible AC transmission systems and HVDC transmission.
- Suggested to swap the subjects Modelling and Simulation of Engineering Systems in Open elective -1 and Electrical Materials in open elective – 2.
- In Professional Elective – V, Advanced control systems is suggested instead of Electrical Machine design and Special electrical machines.
- Suggested to swap the subjects Electromagnetic fields and Electrical measurements and Instrumentation.
- Suggested to change the syllabus of EMF. Unit - 1 should cover Review of Electro statics and Magneto statics, Unit -2 should cover inductance and capacitance calculations, Magnetic circuits., Unit 3 should cover energy related concepts.
- PSOC, SGP and Power semiconductor drives subjects should not be electives.
- Syllabus of Electrical and Hybrid vehicles needs to be changed. Unit-3 is a repetition of unit-2. Unit-4 should be energy storage related to hybrid vehicles.

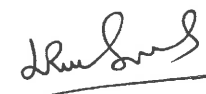
#### **Suggestions made by Dr. D.Das**

- Now a day's DC machines are not teaching in IITs. If possible remove DC machines.
- Suggested to change the name of Real time control of power systems.
- Suggested to introduce the Solar & Wind energy systems / integration of renewable energy systems.
- Suggested to introduce integration of renewable energy systems in place of real time control of power systems.
- Suggested to remove the subject Power System Dynamics.
- Suggested to perform the Control systems lab experiments using Simulation.
- If possible put only project work in IV-II and push the two courses to other semesters.
- Change the name of Modern optimization techniques to soft computing techniques.
- Python programming is not required.

- Its strange to see the courses of professional elective – II are related to ECE.

#### **Suggestions made by Dr. G.H. Vishwanath**

- Suggested to remove the subject Fuzzy Mathematics. Requested to change the name of the subject Probability and Statistics to Probability and Fuzzy Mathematics and frame the syllabus accordingly.
- Suggested to shift the subject Engineering Optimization from IV-I to III-I.
- Suggested to shift the subject Engineering Economics and Project Management from III-I to IV-I.
- Suggested to remove the electromagnetic relay concepts in Switch Gear & Protection and introduce the Microprocessor and Microcontroller based relays.
- Both Power system analysis (PSA) and Power system operation and control (PSOC) are in IV-I. But before studying PSOC knowledge of PSA is essential.
- Basics of electromagnetic are not required to teach. In intermediate itself students study the basics of electromagnetic such as Solenoids etc.
- For switch gear and protection and PSOC subjects knowledge of power system analysis is essential.
- Computer networks in professional elective – I should be moved to optional elective.
- Basic knowledge of communication systems is need for Analog and digital communication subject.
- Modelling and simulation of engineering systems is not in right semester. Move it to IV-I, so that students can do better projects.
- Syllabus of Electrical measurements and instrumentation needs to be changed. Suggested to add one more unit related to digital meters.
- Students may not have prerequisites for most of the optional electives such as Mechatronics, nano electronics etc.

  
HOD

R20 EEE


**SESHADRI RAO GUDLAVALLERU ENGINEERING COLLEGE**  
SESHADRI RAO KNOWLEDGE VILLAGE:: GUDLAVALLERU


DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

19<sup>th</sup> April 2022

**CIRCULAR**

All the Faculty members are informed to attend the online External BoS meeting at 11.00 am through Teams app room on 20<sup>th</sup> April 2022 to discuss the R-20, B.Tech EEE regulations course structure and syllabus of third year and final year organized by the department.



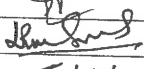
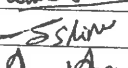
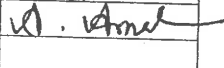
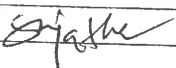
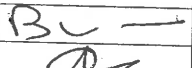
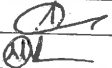
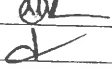

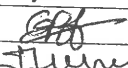
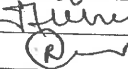
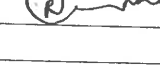
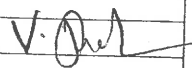

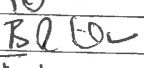
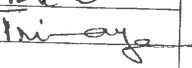
  
(Dr. B. Dasu)  
H.O.D(I/C)

SL.	Name of the Faculty Member	Signature	SL.	Name of the Faculty Member	Signature
1	Dr.B.DASU		16	Sri.G.BALAJI	
2	Dr.M.SIVA KUMAR		17	Sri.J. HEMASUNDAR	
3	Dr.L.RAVI SRINIVAS		18	Sri.G.RAMESH	
4	Dr.G.SRINIVASA RAO		19	Sri.D.VIJAY ARUN	
5	Sri.A.AMARENDRA		20	Sri.V.NAGA BABU	
6	Smt.J.L.SANTHA KUMARI		21	Sri.V.PRATHAP BABU	
7	Smt.CH.SUJATHA		22	Sri.D.BHAVANA RUSHI	
8	Sri.Md.RAFI KHAN		23	Sri. P. BALA	
9	Smt.K.VINDHYA SMITHA		24	Sri. B. RAMA KRISHNA	
10	Sri.E.VARGIL KUMAR		25	Ms. CH. TRINAYANI	
11	Dr.MADHU KIRAN BUDDI		26	Ms.SUFIA KHANAM	
12	Dr.G.KISHOR BABU		27	Sri.B.HANUMAN DILEEP	
13	Dr.B.MAHESH BABU		28	Ms.SK.RIZWANA	
14	Dr.KALYANRAJ KANIGANTI		29	Sri.R.KOTI BABU	
15	Dr.KIRAN JASTHI		30	Ms.ALAPATI SIREESHA	

**GUDLAVALLERU ENGINEERING COLLEGE**  
**SESHADRI RAO KNOWLEDGE VILLAGE:GUDLAVALLERU**  
**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**

20<sup>th</sup> April 2022

**BOARD OF STUDIES**

S.No.	Name	Designation	Position	Signature
1	Dr.B.Dasu	Associate Professor & HOD (I/C)	Chairman	
2	Dr.Debapriya Das	Professor, Department of Electrical Engineering, IIT Kharagpur. Kharagpur, West Bengal	Member (Subject Expert)	Attended Online
3	Dr.V.T.Somasekhar	Professor, Department of Electrical & Electronics Engg.National Institute of Technology, Warangal – 506004, A.P. India	Member (Subject Expert)	Attended Online
4	Dr. K. Ravindra	Dr. K. Ravindra, Associate Professor, Department of EEE J.N.T.U Kakinada. ,Kakinada, Andhra Pradesh	Member (Subject Expert)	Attended Online
5	Sri N. D. Siva Ram	Sri N. D. Siva Ram, Assistant Divisional Engineer APGENCO, NTTPS, Vijayawada.	Member (Representative from industry)	Attended Online
6	Mr. Munagala Suresh	Assistant Executive Engineer, Dr. NTTTPs, Ibrahimpatnam, Vijayawada. Andhra Pradesh	Member (Alumni)	Attended Online
6	Dr.M.Siva Kumar	Professor & Mentor (ASA)	Member	
7	Dr.L.Ravi Srinivas	Professor	Member	
8	Dr.G.Srinivasa Rao	Professor	Member	
9	Sri.A.Amarendra	Associate Professor	Member	
10	Smt.J.L.Santha Kumari	Associate Professor	Member	
11	Smt.Ch.Sujatha	Associate Professor	Member	
12	Sri.Md.Rafi Khan	Associate Professor	Member	
13	Smt.K.Vindhya Smitha	Associate Professor	Member	
14	Sri.E.Vargil Kumar	Associate Professor	Member	
15	Dr.Madhu Kiran Buddi	Associate Professor	Member	
16	Dr.G.Kishor Babu	Associate Professor	Member	
17	Dr.B.Mahesh Babu	Associate Professor	Member	
18	Dr.Kalyanraj Kaniganti	Assistant Professor	Member	
19	Dr.Kiran Jasthi	Assistant Professor	Member	
20	Sri.G.Balaji	Assistant Professor	Member	
21	Sri.J. Hemasundar	Assistant Professor	Member	
22	Sri.G.Ramesh	Assistant Professor	Member	
23	Sri.D.Vijay Arun	Assistant Professor	Member	
24	Sri.V.Naga Babu	Assistant Professor	Member	
25	Sri.V.Prathap Babu	Assistant Professor	Member	
26	Sri.D.Bhavana Rushi	Assistant Professor	Member	
27	Sri. P. Bala Koteswara Rao	Assistant Professor	Member	
28	Sri. B. Rama Krishna	Assistant Professor	Member	
29	Ms. Ch. Trinayani	Assistant Professor	Member	
30	Ms.Sufia Khanam	Assistant Professor	Member	
31	Sri.B.Hanuman Dileep	Assistant Professor	Member	

**SESHADRI RAO GUDLAVALLERU ENGINEERING COLLEGE**  
(An Autonomous Institute with Permanent Affiliation to JNTUK, Kakinada)  
Seshadri Rao Knowledge Village, Gudlavalleru – 521356, Krishna District (A.P.)

**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

**Minutes of the External Board of Studies meeting held on 20-04-2022 from  
11.00 am to 1.30 pm through online mode using Microsoft Teams**

- Power MOSFET topic should be included after UJT topic in Power Electronics Syllabus.
- Engineering Electromagnetics subject can be made professional elective subject.
- Power System Stability and Control text book authored by Prabha Kundur can be included in the Text book References of Power System operation and control subject.
- Reference Text Books covering Bidirectional Associative Memory type neural networks can be included in Introduction to Artificial Intelligence Techniques subject.
- The details of the PWM techniques like single pulse, multi pulse should be completely mentioned in the power electronics syllabus.
- Sine, Triangular PWM inverter topics can be included in power electronics subject.
- The PWM types Unipolar and Bipolar should be mentioned in the Power electronics syllabus.
- The short form SYNREL is not standard for synchronous reluctance motors and hence complete name should be used.

**Consolidated inputs from Subject Experts for designing R-20 Curriculum**

**Suggestions from subject experts in the meeting held on 20-04-2022**

**External members**

**Suggestions by Prof D.Das, I.I.T Kharagpur**

- Power System Stability and Control text book authored by Prabha Kundur can be included in the Text book References of Power System operation and control subject.

**Suggestions by Prof. K. Ravindra, JNTU Kakinada:**

- Power MOSFET topic should be included after UJT topic in Power Electronics Syllabus.
- Engineering Electromagnetics subject can be made professional elective subject.
- Reference Text Books covering Bidirectional Associative Memory type neural networks can be included in Introduction to Artificial Intelligence Techniques subject.
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HoD (i/c)

**Head of the Department**  
**Electrical & Electronics Engineering**  
**Seshadri Rao**  
**Gudlavalleru Engineering College**  
**Seshadri Rao Knowledge Village**  
**Gudlavalleru - 521 356, Krishna District. A.P.**

**SESHADRI RAO GUDLAVALLERU ENGINEERING COLLEGE**  
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SESHADRI RAO KNOWLEDGE VILLAGE, GUDLAVALLERU

**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

**Salient features of R20 UG curriculum:**

- The course structure and syllabus of the program are designed to match with industry needs. Courses are offered in emerging advanced technologies.
- Induction program has been made a part of this curriculum and considered as zero semester.
- Five professional elective courses are offered with 3 credits each.
- Three open elective courses are offered with 3 credits each.
- One/Two courses are offered as project-based courses.
- Introduced integrated courses
- Universal Human Values-1 with zero credits in zero semester and Universal Human Values-2 with three credits in first semester are offered.
- Constitution of India as mandatory non-credit course is introduced.
- Sports and Games / Cultural and NSS / Fine arts / Yoga / self-defense are offered as non-credit mandatory courses.
- Massive open online courses (MOOCs) are providing students a platform to learn from subject experts around the world.
- The following skill development courses are offered in the curriculum
  - i) Simulation of Electrical Engineering systems
  - ii) Automation of Electrical Systems using IOT
  - iii) Computer aided Electrical drawing
- The following skill advanced courses are offered in the curriculum
  - i) Logic Building and Basic Coding Principles
  - ii) Programming for Corporate
  - iii) Problems Solving Enhancement
  - iv) Linguistic Competency Building
- Societal Relevant project with one credit is introduced in the curriculum.
- Mini-project is included in the curriculum with two credits.
- Industrial training/Practical training/Internship with two credits is offered in the curriculum.
- Industry internships with six months duration are arranged by the department in their final year of study.
- Courses related to emerging areas are included in the curriculum.
  - a) Electrical and Hybrid Vehicles, Solar and Wind Energy Systems, Integration of Renewable Energy Sources.
  - b) AI Techniques, Cyber Security, Big data Analytics, Machine Learning.
- Courses with 20 credits are proposed to facilitate the award of Honors degree /Minor degree to the students.

### **Salient Features of R20 PG Curriculum:**

- Project based theory course “Analysis of Power Electronic Converters” is offered.
- Five professional elective courses are offered.
- MOOCs courses are offered as open elective in the curriculum.
- Two audit courses, Constitution of India and English for Research Paper writing are offered.



Faculty In-charge



H.O.D (I/c)

# **GUDLAVALLERU ENGINEERING COLLEGE**

(An Autonomous Institute with Permanent Affiliation to JNTUK, Kakinada)  
Seshadri Rao Knowledge Village, Gudlavalleru

## **DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**


### **CIRCULAR**

14<sup>th</sup> May 2021

All the faculty members are informed to attend the second Board of Studies of Electrical & Electronics Engineering Department meeting will be held on 15 -05-2021 (i.e., Saturday) for discussing the new curriculum of B.Tech EEE 2020 admitted batch. The day long deliberations will take place through online mode using teams app. The meeting commences at 9.30 AM.

#### **Agenda:**



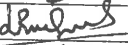
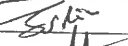
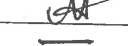
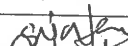







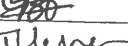



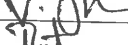
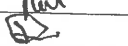
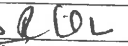

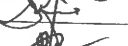





- (i) To finalize the syllabus of all the courses in II, III and IV B.Tech and II year M.tech (PEED) of R20 (Autonomous) Regulations.
- (ii) To discuss and finalize the Honors and Minor degree course structure and syllabus of R20 (Autonomous regulations).
- (iii) Any other matter with the permission of chair.

  
Dr. B. Dasu  
HoD, Dept. of EEE.

**GUDLAVALLERU ENGINEERING COLLEGE**  
**SESHADRI RAO KNOWLEDGE VILLAGE:GUDLAVALLERU**  
**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**

15<sup>th</sup> May 2021

**BOARD OF STUDIES**

S.No.	Name	Designation	Position	Signature
1	Dr.B.Dasu	Associate Professor & HOD (I/C)	Chairman	
2	Dr.Debapriya Das	Professor, Department of Electrical Engineering, IIT Kharagpur.Kharagpur, West Bengal	Member (Subject Expert)	Attended through online
3	Dr.V.T.Somasekhar	Professor, Department of Electrical & Electronics Engg,National Institute of Technology, Warangal – 506004, A.P. India	Member (Subject Expert)	Attended through online
4	Dr. K. Ravindra,	Dr. K. Ravindra, Associate Professor, Department of EEE J.N.T.U Kakinada. ,Kakinada, Andhra Pradesh	Member (Subject Expert)	Attended through online
5	Mr. Munagala Suresh,	Assistant Executive Engineer, Dr. NTTTPs, Ibrahimpatnam, Vijayawada. Andhra Pradesh	Member (Representative from industry)	Attended through online
6	Dr.M.Siva Kumar	Professor & Mentor (ASA)	Member	
7	Dr.L.Ravi Srinivas	Professor	Member	
8	Dr.G.Srinivasa Rao	Professor	Member	
9	Sri.A.Amarendra	Associate Professor	Member	
10	Smt.J.L.Santha Kumari	Associate Professor	Member	
11	Smt.Ch.Sujatha	Associate Professor	Member	
12	Sri.Md.Rafi Khan	Associate Professor	Member	
13	Smt.K.Vindhya Smitha	Associate Professor	Member	
14	Sri.E.Vargil Kumar	Associate Professor	Member	
15	Dr.Madhu Kiran Buddi	Associate Professor	Member	
16	Dr.G.Kishor Babu	Associate Professor	Member	
17	Dr.B.Mahesh Babu	Associate Professor	Member	
18	Dr.Kalyanraj Kaniganti	Assistant Professor	Member	
19	Dr.Kiran Jasthi	Assistant Professor	Member	
20	Sri.G.Balaji	Assistant Professor	Member	
21	Sri.J. Hemasundar	Assistant Professor	Member	
22	Sri.G.Ramesh	Assistant Professor	Member	
23	Sri.D.Vijay Arun	Assistant Professor	Member	
24	Sri.V.Naga Babu	Assistant Professor	Member	
25	Sri.V.Prathap Babu	Assistant Professor	Member	
26	Sri.D.Bhavana Rushi	Assistant Professor	Member	
27	Sri. P. Bala Koteswara Rao	Assistant Professor	Member	
28	Sri. B. Rama Krishna	Assistant Professor	Member	
29	Ms. Ch. Trinayani	Assistant Professor	Member	
30	Ms.Sufia Khanam	Assistant Professor	Member	
31	Sri.B.Hanuman Dileep	Assistant Professor	Member	

  
Chairman  
Board of Studies



**SESHADRI RAO**  
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 Seshadri Rao Knowledge Village, Gudlavalleru  
 DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

**DETAILS OF BOS MEETINGS FOR DESIGN OF R20 CURRICULUM**

S.No.	Date	Details of BoS Meeting	Details of Experts
1	15/05/2021	Second Meeting of Board of Studies	Dr. V.T.Somasekhar Professor, Department of EEE,NIT Warangal
			Prof. Debapriya Das Professor, Department of EEE,IIT Kharagpur
			Dr. K.Ravindra Associate Professor, Department of EEE, JNTUK, Kakinada
			Mr. Munagala Suresh Assistant Executive Engineer, Dr. NTTTPs, Ibrahimpatnam, Vijayawada. Andhra Pradesh
2	29/02/2020	First Meeting of Board of Studies	Dr.D.V.S.S.Sivasarma Professor, Department of EEE,NIT Warangal
			Dr. K.Siva Kumar Asst. Professor, Department of EEE,IIT Hyderabad
			Er. GundimedaVenugopal Senior Director – Technology, Global Technology Office, CTS India Pvt.Ltd, Hyderabad
			Er. Lakshmi Reddy Manager (E&M), Department of Electrical and Mechanical, CMPDIL RI-7, Bhubaneswar.

*S. Srin*

Faculty In-charge

*@w*

H.O.D (I/c)

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Seshadri Rao Knowledge Village, Gudlavalleru – 521356, Krishna District (A.P.)

**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

**Minutes of the Board of Studies meeting held on 15-05-2021 from 11.00 am to 2.00 pm through online mode using Microsoft Teams**

- Prime movers theory and Prime movers lab courses can be excluded from the course structure.
- Integrated courses with lab can be offered in Minor degree as four credit courses.
- Circuit theory lab can be moved in II-I from II-II.
- Python programming can be moved to II-I from II-II.
- Offering integrated courses may be difficult for Minor degree courses in student point of view.
- Control systems may be difficult to offer as Minor degree course since ECE people will already study the course as regular course.
- UEE can be removed as Professional elective and can be made as mandatory subject.
- ISM and Control systems can be offered as Minor degree courses.
- Two Machines related subjects and two power systems subjects can be offered as minor degree courses.
- Electrical measurements and PGS can be offered as Minor degree courses.
- Power semiconductor drives difficult as minor degree course.
- Separate course structure with separate syllabus would be better for minor degree.
- PGS, DCMT, ISM and UEE will be a better option for minor degree courses.
- Power generation systems, Electrical measurements, power electronics, UEE, EM Lab, and Simulation Lab can be offered as Minor degree courses.
- Electrical vehicles can be offered as Honors degree.
- PLC and applications, AI Techniques, Control and Integration of Renewable Energy sources and SMPC courses can be offered for Honors degree.
- Cycloconverters can be removed from Power Electronics syllabus.
- Choppers can be removed from Power Electronics syllabus; Incorporate Buck, boost and buck boost converters. Remove forced commutation circuits. Reduce content on SCR's in First unit and include IGBT and MOSFET in unit-1.
- Z-Transforms should be kept in signals & systems course.
- The following skill development courses are suggested by the BoS members
  - i) Simulation of Electrical Engineering systems
  - ii) Automation of Electrical Systems using IOT
  - iii) Computer aided Electrical drawing
  - iv) Logic Building and Basic Coding Principles

- v) Programming for Corporate
- vi) Problems Solving Enhancement
- vii) Linguistic Competency Building

## **Consolidated inputs from Subject Experts for designing R20 Curriculum**

### **Suggestions from subject experts in the meeting held on 15-05-2021**

#### **External members**

#### **Suggestions by Prof D.Das,I.I.T Kharagpur**

- Prime movers lab and Prime movers subject courses are not needed.
- Integrated Theory and lab courses can be offered as Minor degree courses.
- Power electronics can be included in the minor degree course.

#### **Suggestions by Prof V T Soma Sekhar , N.I.T.Warangal**

- Prime movers Lab and Subject are not required.
- Control systems can be offered as Minor degree.
- Integrated courses with lab can be offered in Minor degree as four credit courses.
- Power electronics can be offered as Minor degree course.
- ECE students can be allowed to take Induction machines and synchronous machines.
- Electrical measurements can be one Minor degree course.
- Cycloconverters can be removed from Power Electronics syllabus.
- Z-Transforms should be kept in signals & systems course.
- Suggested, PLC, AI Techniques, Control and Integration of Renewable Energy sources and SMPC courses for Honors degree.

#### **Suggestions by Dr. Ravindra, JNTU Kakinada:**

- Circuit theory lab can be moved in II-1.
- Python programming can moved to II-1.
- Control systems can be offered as Minor degree course.
- Power electronics can be offered as minor degree course.
- Offering integrated courses may be difficult for Minor degree courses in student point of view.
- DC Machines & Transformers, Induction Machines and Synchronous Machines, Power Electronics and Drives can be offered as Minor degree courses.
- Choppers can be removed from Power Electronics syllabus; Incorporate Buck, boost and buck boost converters. Remove forced commutation circuits. Reduce content on SCR's in First unit and include IGBT and MOSFET in unit-1.
- Electrical vehicles can be offered as Honors degree.

### Suggestions by Faculty members

#### Suggestions by HoD(I/C) Dr.B.Dasu

- Prime mover lab and theory courses can be excluded
- DC Machines and transformers, Induction machines and transformers and Powerelectronics can be offered as minor degree courses.
- Offering integrated courses for all the subjects is difficult for Minor degree courses.
- Simulation Lab can be offered as Minor degree course.

#### Suggestions by Prof. M. Siva Kumar

- Suggested to reduce credits of ES courses. Circuit theory lab can be shifted to II-1 instead from II-2. Prime movers lab from II-1 can be removed.
- Python programming can be shifted to II-1 from II-2.
- Control systems may be difficult to offer as Minor degree course since ECE people will already study the course as regular course.
- UEE can be removed as Professional elective and can be made as mandatory subject.
- Power generation, Electrical Measurements, Power Electronics, UEE can be offered as minor degree courses.

#### Suggestions by Prof L.R.Srinivas

- ISM can be offered in II-1 as minor degree course.
- Control systems can be offered as Minor degree course.

#### Suggestions by Prof G.Srinivasa Rao

- Two Machines related subjects and two power systems subjects can be offered as minor degree courses.

#### Suggestions by Sri A. Amarendra

- Electrical measurements and power generation systems can be offered as Minor degree courses.

#### Suggestions by Smt Sujatha

- Power semiconductor drives difficult as minor degree course.

#### Suggestions by Smt. Vindhya Smitha

- Separate course structure with separate syllabus would be better for minor degree.

#### Suggestions by Md Rafi Khan

- PGS, DCMT, ISM and UEE will be a better option for minor degree courses.

- The mapping of consistency of PEOs with the mission of the department is reviewed again and changed with the following recommendations which was discussed in internal Board of Studies held on 29-01-2021.
  - **Mission 1:** To impart quality education in electrical and electronics engineering in dynamic learning environment and strive continuously for the interest of stake holders, industry and society.
  - **Mission 2:** To create an environment conducive to student-centered learning and collaborative research.
  - **Mission 3:** To provide students with knowledge, technical skills, and values to excel as engineers and leaders in their profession.

**Consistency of PEOs with Mission of the Department - previous version**

PEO Statements	M1	M2	M3
<b>PEO1:</b> Graduates will have technical knowledge, skills and competence to identify, comprehend and solve problems of industry and society.	3	3	2
<b>PEO2:</b> Graduates learn and adapt themselves to the constantly evolving technology to pursue higher studies and undertake research.	3	3	2
<b>PEO3:</b> Graduates will engage in lifelong learning and work successfully in teams with professional, ethical, and administrative acumen to handle critical situations.	2	2	3

**Note:** M1, M2 . . . Mn are distinct elements of Mission statement. 1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Modified in PC meeting held on 23-01-2021 and approved in this BoS

PEO Statements	M1	M2	M3
<b>PEO1:</b> Graduates will have technical knowledge, skills and competence to identify, comprehend and solve problems of industry and society.	3	2	3
<b>PEO2:</b> Graduates learn and adapt themselves to the constantly evolving technology to pursue higher studies and undertake research.	2	3	2
<b>PEO3:</b> Graduates will engage in lifelong learning and work successfully in teams with professional, ethical, and administrative acumen to handle critical situations.	2	2	3

**Justification for PEO's mapping with Department Mission:**

PEO 1: This is concerned with the preparation of students with the overall knowledge in electrical and electronics engineering maps substantially with M1 and M3 and maps moderately with M2.

PEO 2: This focuses on preparing the students to implement their ideas for the challenging task in the inter-disciplinary areas. So it maps substantially with M2. As the curriculum focuses on the industry standards, PEO 2 maps moderately with M1, M3.

PEO 3: This concerns with educating the students for the development of overall attitude, ethics and values that will help their careers in engineering, academics and government employment, maps substantially with M3. By framing the departmental co-curricular clubs the students are involved in organizing the different activities which are helpful for their career building so PEO 3 moderately maps with M1 and M2.

  
Chairman  
Board of Studies

## **GUDLAVALLERU ENGINEERING COLLEGE**

(An Autonomous Institute with Permanent Affiliation to JNTUK, Kakinada)  
Seshadri Rao Knowledge Village, Gudlavalleru – 521356, Krishna District (A.P.)

### **DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

#### **CIRCULAR**

27<sup>th</sup> February 2020

All the faculty members are informed to attend the First Board of Studies of Electrical & Electronics Engineering Department meeting to be held on 29-02-2020 (i.e., Saturday) for discussing the new curriculum of B. Tech EEE 2020 admitted batch. The day long deliberations will take place in AC Seminar Hall. The meeting commences at 9.30 AM.

#### **Agenda:**

- (i) To Discuss and finalize the course structure of I,II, III and IV B. Tech of R20 (Autonomous) Regulations.
- (ii) To finalize the syllabus of all the courses in I,II, III and IV B. Tech of R20(Autonomous) Regulations
- (iii) Any other matter with the permission of the chair.



Dr. L. RAVI SRINIVAS

HOD

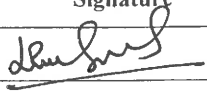
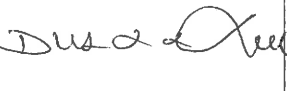
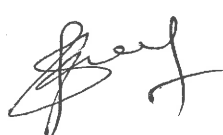
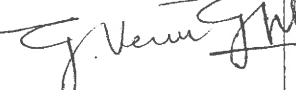


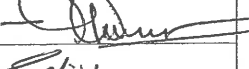



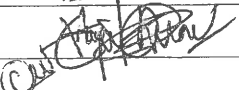


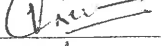


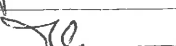
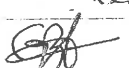
Dept. of EEE.



**GUDLAVALLERU ENGINEERING COLLEGE**  
**SESHADRI RAO KNOWLEDGE VILLAGE:GUDLAVALLERU**  
**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**

29<sup>th</sup> Feb 2020

**BOARD OF STUDIES**

S.No.	Name	Designation	Position	Signature
1	Dr.L.Ravi Srinivas	Professor & HOD	Chairman	
2	Dr.D.V.S.S.Siva Sarma	Professor, Department of Electrical and Electronics Engineering, National Institute of Technology, Warangal	Member (Subject Expert)	
3	Dr.K.Siva Kumar	Associate Professor, Department of Electrical and Electronics Engineering, Indian Institute of Technology Hyderabad,	Member (Subject Expert)	
4	Nominee of JNTUK	Dr.K.Ravindra, Associate Professor, Department of Electrical and Electronics Engineering, University College of Engineering Kakinada, JNTUK, Kakinada	Member (Subject Expert)	Could not attend
5	Er.Gundimeda Venugopal	Senior Director - Technology, Global Technology Office, Cognizant Technology Solutions India Pvt.Ltd., Cabin #, 7th Floor, Building No.20, Raheja Mind Space, Madhapur, Hyderabad - 500081	Member (Representative from Industry)	
6	Er.L.Lakshmi Reddy	Manager (E&M), Department of Electrical and Mechanical, CMPDIL RI-7, (Central Mine Planning & Design Institute Limited), Regional Institute - 7, Bhubaneswar.	Member (Alumnus)	
7	Dr. K.Alice Mary	Professor	Member	
8	Dr.M.Siva Kumar	Professor	Member	
9	Dr.G.Srinivasa Rao	Professor	Member	
10	Sri.A.Amarendra	Associate Professor	Member	
11	Smt.J.L.Santha Kumari	Associate Professor	Member	Loss of pay
12	Smt.Ch.Sujatha	Associate Professor	Member	Medical leave
13	Sri.Md.Rafi Khan	Associate Professor	Member	Medical leave
14	Smt.K.Vindhya Smitha	Associate Professor	Member	
15	Sri.E.Vargil Kumar	Associate Professor	Member	
16	Sri.B.Dasu	Associate Professor	Member	
17	Dr.Madhu Kiran Buddi	Associate Professor	Member	
18	Dr.G.Kishor Babu	Associate Professor	Member	
19	Dr.B.Mahesh Babu	Associate Professor	Member	
20	Dr.Kalyanraj Kaniganti	Assistant Professor	Member	
21	Dr.Kiran Jasthi	Assistant Professor	Member	
22	Sri.G.Balaji	Assistant Professor	Member	

23	Sri.K. Santhosh Kumar	Assistant Professor	Member	<i>K. Santhosh</i>
24	Sri.J. Hemasundar	Assistant Professor	Member	<i>H. J. Hemasundar</i>
25	Sri.G.Ramesh	Assistant Professor	Member	<i>G. Ramesh</i>
26	Sri.D.Vijay Arun	Assistant Professor	Member	<i>D. Vijay Arun</i>
27	Sri.V.Naga Babu	Assistant Professor	Member	<i>N. V. Naga Babu</i>
28	Sri.V.Prathap Babu	Assistant Professor	Member	<i>V. Prathap Babu</i>
29	Sri.D.Bhavana Rushi	Assistant Professor	Member	<i>D. Bhavana Rushi</i>
30	Sri. P. Bala Koteswara Rao	Assistant Professor	Member	<i>P. Bala Koteswara Rao</i>
31	Sri. B. Rama Krishna	Assistant Professor	Member	<i>B. Rama Krishna</i>
32	Ms. CH. Trinayani	Assistant Professor	Member	<i>Ch. Trinayani</i>
33	Ms.Sufia Khanam	Assistant Professor	Member	<i>S. Sufia Khanam</i>
34	Sri.Y.Anil Kumar	Assistant Professor	Member	<i>Y. Anil Kumar</i>
35	Ms.SK.Jahera	Assistant Professor	Member	<i>S. K. Jahera</i>
36	Sri.B.Hanuman Dileep	Assistant Professor	Member	<i>B. Hanuman Dileep</i>

*[Signature]*  
**Chairperson**  
**Board of Studies**

# **GUDLAVALLERU ENGINEERING COLLEGE**

Seshadrirao Knowledge Village, Gudlavalleru – 521356

## **DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

### **UG Programme**

#### **PEOs**

- Graduates will have technical knowledge, skills and competence to identify, comprehend and solve problems of industry and society.
- Graduates learn and adapt themselves to the constantly evolving technology to pursue higher studies and undertake research.
- Graduates will engage in lifelong learning and work successfully in teams with professional, ethical and administrative acumen to handle critical situations.

#### **POs**

- Apply the knowledge of circuit design, analog & digital electronics to the field of electrical and electronics systems.
- Analyze, design and develop control systems, industrial drives and power systems using modern tools.

**Date of BoS meeting Conducted:** 29-02-2020 (Offline mode)

#### **Salient features of the EEE course structure**

- The course structure and syllabus of the programme are designed to match with Industry needs. Courses are offered in emerging advanced technologies
  - a. Electrical and Hybrid Vehicles, Solar and Wind Energy Systems, Integration of Renewable Energy Sources
  - b. Biomedical Engineering, Nano Electronics, Embedded Systems
  - c. AI Techniques, Cyber Security, Big Data Analytics, Machine Learning.
- Integrated theory and practice courses and Project based courses are designed.
- Industry internships are arranged by the department in their final year of study.
- B.Tech Degree with honors in collaboration with other departments.
- Massive open online courses (**MOOCs**) for providing students a platform to learn from subject experts around the world.

### **Salient Features of UG Curriculum:**

- Induction program has been made a part of this Curriculum and considered as Zero Semester.
- Five professional elective courses are offered with 3 credits each.
- Three open elective courses are offered with 3 credits each.
- One/Two courses are offered as project based courses.
- Introduced integrated courses and industry related courses in all disciplines.
- Offered MOOCs courses as mandatory courses in the curriculum with two credits.
- Universal Human Values-1 is included with zero credits in zero semester and
- Universal Human Values-2 with three credit course are offered.
- Logic building and basic coding principles , programming for corporate, problems solving enhancement and linguistic competency building are offered as four single credit courses to enhance the Industrial skills of students.
- Introduced Socially Relevant Project in the curriculum with one credit.
- Mini project is included in the curriculum with two credits.
- Industrial training/Practical training/Internship with two credits offered in the curriculum
- Sports and Games / Cultural and NSS /Fine Arts / Yoga / Self Defence are offered as non credit mandatory courses
- Constitution of India as Mandatory Non-credit course is introduced.
- Virtual lab experiments are included in some of the labs in all disciplines
- Courses related to Emerging areas are included in the curriculum.
- Courses with 20 credits are proposed to facilitate the award of Honours degree /Minor degree to the students.

### **Salient features in the R-20 regulation after upgrading from R-17 regulation**

1. Universal human values subject is included in the curriculum based on the suggestions of AICTE model curriculum for under graduate degree courses in Engineering and technology. The main objective of this course is for understanding the harmony in the human being, family, society and nature.
2. Engineering core subjects and software programming based professional core subjects are made as integrated theory and practice courses.
3. Project based course theory course related to design and analysis of power system and micro processors are included in the curriculum.
4. B.Tech honors course is offered
5. MOOCs courses are included in the curriculum based on student's choice.

A handwritten signature in black ink, appearing to read 'S. Srinivas', is located in the lower-left quadrant of the page.

## **Minutes of the Meeting**

**Board of Studies meeting held on 29-02-2020 from 10.00 am to 3.00 pm in  
EEE A.C. Seminar Hall**

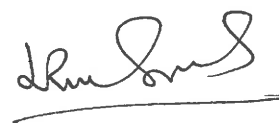
### **UG:**

1. Introducing Microgrid subject is better than hybrid electric vehicles as engineer feels easy to learn microgrid than hybrid vehicles. And also in future an engineer can start his own microgrid for which government also provides subsidy for the young entrepreneurs.
2. The syllabus and title for elements of electrical circuits and electrical circuit analysis and synthesis is not justified.
3. EDC and ECA came in the same semester.
4. Mention universal human values [UHV] 1 subject in curriculum even though it will be dealt in induction programme.
5. Consult Prof Raju Singal from IIIT Hyderabad to frame the syllabus for UHV who is an expert in UHV.
6. Some orientation towards digital instrumentation to be introduced in EMI subject apart from old syllabus.
7. Include more IoT based sensors in Instrumentation course.
8. Before EMI in III-II Power electronics and SGP are introduced in III-I which has to be modified.
9. Change the title to course outcomes rather than learning outcomes.
10. There is a need to change the course outcomes of Power Generation Systems subject.
11. Unit 4 and 5 are inappropriate to the title power generation. Change the title or else the syllabus and also shift the course to II-I.
12. Keep the title as Power Generation systems and include non-conventional energy sources in it.
13. Unit 5 in solid state physics should be changed with magnetic materials or conducting materials apart from free electron or band theory of metals.
14. Experiment 5 and 6 can be removed from solid state physics lab and other experiments related to lasers etc can be added.
15. Basic Sciences courses in curriculum are not meeting the range proposed by AICTE [15-20%]. It is only 13.75%. Decided to add one mathematics subject in the curriculum.
16. Advanced mathematics [linear algebra, partial differentiation] is needed in order to learn Artificial Intelligence and Neural Networks.
17. Question raised to add which subject whether Multiple Integrals or OR. Suggested to include OR.
18. Application based teaching is more effective for students to learn. Suggested to add some applications at the end of each unit while teaching mathematics.
19. Content of Professional Communication should be self explanatory.

20. Suggested to make Professional Communication subject an integrated course. But not accepted by English Department HOD as they have valid reasons.
21. Syllabus should be adjusted to five units in R-20 curriculum.
22. Probability and Statistics and Discrete Mathematics can be included most probably in II-I.
23. Multiple Integrals can be removed.
24. If possible ITVC syllabus can be expanded by adding some application oriented problems.
25. The correlation between theory and lab syllabus should be checked for framing the syllabus.
26. Push sensors topic from unit 1 to any other unit in Applied Chemistry.
27. The course name Elements of Mechanical Engineering can be changed.
28. Including project based learning is more important.
29. Question rose to shift EEPM from IV-I to II-II.
30. Subjects like DCD, EDC and ECA can be made integrated courses so that we can add extra courses in the curriculum.
31. Decided to make DCD an integrated course.
32. The title of the subject Introduction to Quantum Mechanics should be changed.
33. Introduction word can be removed from the titles of the subjects.
34. Change the name of the subject from Design of Electrical Apparatus to Electrical Machine Design. The syllabus should be looked after.
35. Increase the options in optional electives which is confined to only three subjects.
36. Wavelets should be introduced in Digital Signal Processing.
37. Smart Grid is not included in the curriculum which is to be looked after.
38. Seminars should be included in the curriculum.
39. Maintain proper textbook titles while adding the textbooks.

**PG:**

1. Instead of confining to electric drives simulation lab change the title so that wide variety of experiments can be covered.
2. DSP kits can be brought to incorporate the lab.
3. If no marks are given for the dissertation in III semester why to include dissertation in that semester in the curriculum.

  
HOD



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Seshadri Rao Knowledge Village, GUDLAVALLERU-521 356, Krishna District, A.P., India

(Approved by AICTE, New Delhi and Permitted by A.P. State Government)

Accredited by NAAC with 'A' Grade

NBA Accreditation: B.Tech - CSE for 5 Years and CE, EEE, ME, ECE & IT for 3 Years

Phone Nos. 08674-273737, 273888, Mobile: 9848779121 Fax No. 08674-273957

E-mail: principal@gecgudlavalleru.ac.in, office@gecgudlavalleru.ac.in, Web: www.gecgudlavalleru.ac.in

23<sup>rd</sup> April, 2018

**Dr. M.R.CH.Sastry, M.Tech. Ph.D.,**  
*Professor & HoD,*  
Department of Mechanical Engineering

To

**Dr. B.V.S.S.S. Prasad,**  
Professor & HoD,  
Department of Mechanical Engineering,  
IIT Madras,  
CHENNAI - 600 036.

Sir,

Sub: - Invitation for Board of Studies Meeting - Request - Reg.

\*\* \*\* \*

Greetings!

It is proposed to conduct Board of Studies (BoS) Meeting on **12-05-2018 (Saturday) at 10.00 A.M.** in Mechanical Engineering Department Seminar Hall to finalize the course structure and syllabi for autonomous status of UG Courses. In this regard, I invite you to attend the meeting and give your valuable suggestions in formulating the course structure & syllabi of our courses.

Thanking you Sir,

Yours Sincerely,

*M. R. Ch. Sastry*  
HoD



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23<sup>rd</sup> April, 2018

Dr. M.R.CH.Sastry, *M.Tech. Ph.D.*,  
Professor & HoD,  
Department of Mechanical Engineering

To

Dr. K. Hema Chandra Reddy,  
Professor,  
Department of Mechanical Engineering,  
JNTUA, Anantapur.

Sir,

Sub: - Invitation for Board of Studies Meeting – Request - Reg.

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*M.R.Ch.Sastry*  
HoD



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23<sup>rd</sup> April, 2018

Dr. M.R.CH.Sastry, *M.Tech. Ph.D.*,  
Professor & HoD,  
Department of Mechanical Engineering

To

Dr. P. Bangaru Babu,  
Professor & HoD,  
Department of Mechanical Engineering,  
National Institute of Technology Warangal,  
WARANGAL.

Sir,

Sub: - Invitation for Board of Studies Meeting -- Request - Reg.  
\*\* \*\* \*

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23<sup>rd</sup> April, 2018

**Dr. M.R.CH.Sastry, M.Tech. Ph.D,**  
Professor & HoD,  
Department of Mechanical Engineering

To

**Dr. K. Ramesh Kumar,**  
Scientist – G, Director,  
Production ISATOM & Technology Transfer,  
DRDL Kanchanbag,  
Hyderabad – 500 058.

Sir,

Sub: - Invitation for Board of Studies Meeting – Request - Reg.

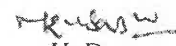
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23<sup>rd</sup> April, 2018

Dr. M.R.CH.Sastry, *M.Tech. Ph.D.*  
*Professor & HoD.*  
Department of Mechanical Engineering

To

Mr. Burra Abhimitra,  
CAD Designer, CAE,  
Mahindra Truck and Bus Division,  
Chinchwad.  
PUNE - 411019.

Sir,

Sub: - Invitation for Board of Studies Meeting – Request - Reg.

\*\* \*\* \*

Greetings!

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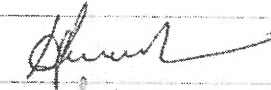

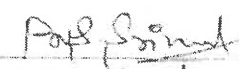















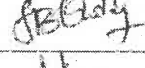







*M. R. Ch. Sastry*  
HoD

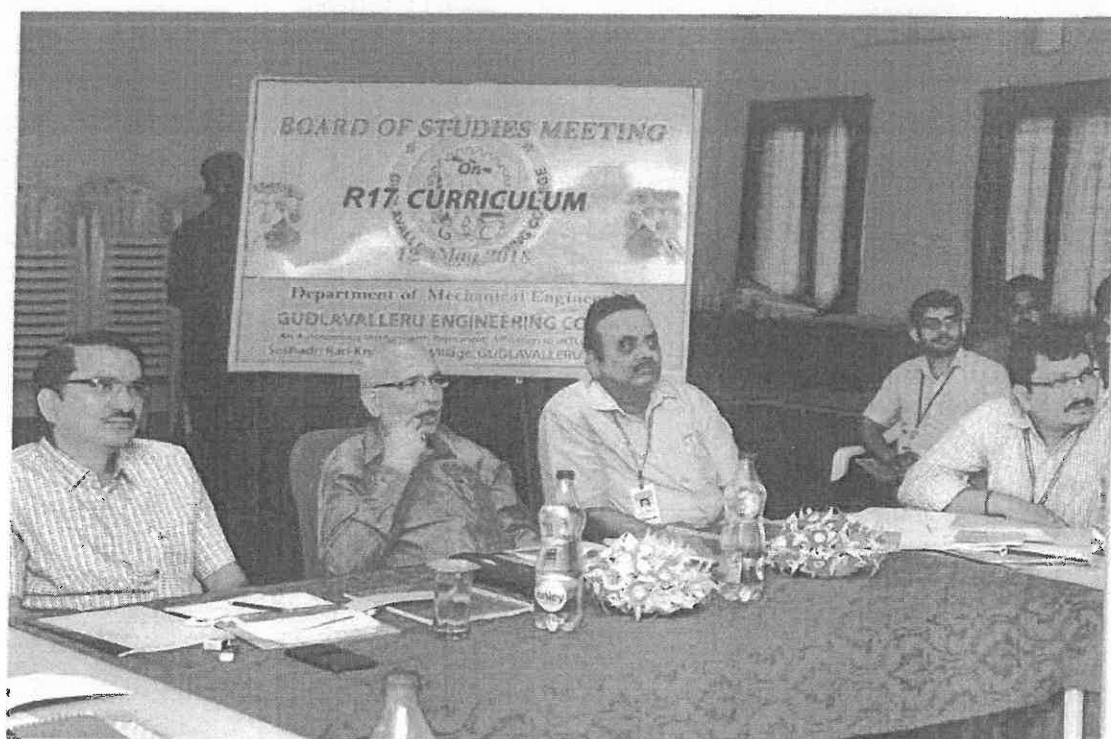
**GUDLAVALLERU ENGINEERING COLLEGE**  
Seshadri Rao Knowledge Village, GUDLAVALLERU  
**Department of Mechanical Engineering**

Board of Studies meeting held at 9.30 AM on 12<sup>th</sup> May 2018 in Seminar Hall.

**Members Present:**

S.No.	Name & Designation	Signature
1.	<b>Dr. M.R.Ch. Sastry</b> Prof. & HoD, Chairperson	<i>M.R.Ch. Sastry</i>
2.	<b>Dr. B.V.S.S.S. Prasad</b> Professor Department of Mechanical Engineering IIT Madras.	<i>B.V.S.S.S. Prasad</i>
3.	<b>Dr P. Bangaru Babu</b> Professor & HOD Department of Mechanical Engineering NIT Warangal, Warangal	<i>P. Bangaru Babu</i>
4.	<b>Dr K. Hema Chandra Reddy</b> Professor, Department of Mechanical Engineering, JNTUA, Anantapur	<i>Could not attend</i>
5.	<b>Dr. K. Ramesh Kumar</b> Scientist - G, Director Production ISATOM & Technology Transfer DRDL Kanchanbag, Hyderabad	<i>could not attend</i>
6.	<b>Mr. Burra Abhimitra</b> CAD Designer, CAE, Mahindra Truck and Bus Division, Pune - 411019	<i>could not attend</i>
7.	<b>Dr. P. Nageswara Reddy</b> Professor & Director (AS&A)	<i>P. Nageswara Reddy</i>
8.	<b>Dr. P. Ravindra Babu</b> Professor & Principal	<i>P. Ravindra Babu</i>
9.	<b>Dr. A. Jawahar Babu</b> Prof. & Mentor (AS&A)	<i>A. Jawahar Babu</i>
10.	<b>Dr. B. Karuna Kumar</b> Prof. & Vice Principal	<i>B. Karuna Kumar</i>
11.	<b>Dr. K. Syam Sundar</b> Professor & CoE	<i>K. Syam Sundar</i>
12.	<b>Sri K.Ch. Kishor Kumar</b> Associate Professor	<i>K. Kishor Kumar</i>
13.	<b>Sri D. Kiran Prasad</b> Associate Professor	<i>D. Kiran Prasad</i>
14.	<b>Sri B.V.S. Raghu Vamsi</b> Sr. Assistant Professor	<i>B.V.S. Raghu Vamsi</i>
15.	<b>Sri J.A. Ranga Babu</b> Assistant Professor	<i>J.A. Ranga Babu</i>
16.	<b>Sri P. Tejo Murthi</b> Assistant Professor	<i>P. Tejo Murthi</i>
17.	<b>Sri T. Siva Krishna</b> Assistant Professor	<i>T. Siva Krishna</i>

18.	Sri L. Ramesh Assistant Professor	
19.	Sri J. Phani Kumar Assistant Professor	
20.	Sri P.N.S. Srinivas Assistant Professor	
21.	Sri B. Ramesh Nayak Assistant Professor	
22.	Sri T. Naga Raju Assistant Professor	
23.	Sri S. Srikanth Assistant Professor	
24.	Sri P. Murari Assistant Professor	
25.	Sri Johnyshaida Shaik Assistant Professor	
26.	Sri M. Kamal Tej Assistant Professor	
27.	Ms. M. Krishna Prasanna Assistant Professor	
28.	Sri D. Tarun Assistant Professor	
29.	Sri G. Karuna Kumar Assistant Professor	
30.	Sri A. Siva Bhaskar Assistant Professor	
31.	Sri R. Jithendra Kumar Assistant Professor	
32.	Sri R. Ravish Assistant Professor	
33.	Sri V. Mohan Sreekanth Assistant Professor	
34.	Sri Sravan Kumar Yadav Assistant Professor	
35.	Sri J. Chandra Sekhar Assistant Professor	
36.	Sri S.B. Karimulla Reddy Assistant Professor	
37.	Sri I. Mehar Anudeep Assistant Professor	
38.	Sri K. Kumara Swamy Assistant Professor	
39.	Sri N. Premdasu Assistant Professor	
40.	Sri A. Rajesh Assistant Professor	
41.	Sri D. Mohan Krishna Assistant Professor	
42.	Ms. V.J.K. Silpa Assistant Professor	
43.	Ms. K. Tejaswee Assistant Professor	



Minutes of Board of Studied Meeting held on 12-05-2018

- The proposal to reduce the total no of credits to 160 from 170 according to the guided lines given by AICTE is accepted without changing the first year courses and first year total credits
- It is decided to have the number of Professional Electives is increased to 6 and optional electives to 8 with four optional electives as MOOCs.
- Skill Development Program I is offered in Geometric Modeling and Skill development Program II is Engineering Analysis.
- Fluid Machinery and Steam Power generation are combined as single course Turbo machinery. Design of Power Transmission and Design of Machine Elements are renamed as Design of Machine Members and Design of Transmission Elements and the syllabus is to be revised accordingly . Design of Machine Members is included in III yr II Sem and Design of Transmission Elements is offered as Professional Elective in IV yr I Sem
- .Refrigeration and Air Conditioning is to be offered as core elective.
- Internship / Practical Training is to be offered in IV yr I Sem.
- The no of credits of project course are reduced to 10 credits.
- The chairman of the board of studies had also presented course outcomes attainment values for the courses completed in A.Y. 2017-18. The members have gone through the attainment values for all the courses and suggested to take remedial measures for non attained courses
- The chairman of the board of studies had presented to the members the program outcomes and program specific outcomes attainment and target values for 2014-18 batch students. It is observed that PO4 and PSO 2 are not attained
  - With regard to PO 4 ,the chairman informed that the attainment value reached 94.66% of the target value and the members have suggested to take corrective actions so that the outcome is achieved for the next batch .

- With regard to PSO 2 ,the chairman informed that the attainment value reached 96% of the target value and the members have suggested to take corrective actions so that the outcome is achieved for the next batch .
- The courses and the corresponding main topics are finalized.



PRINCIPAL  
Gudlavalleru Engineering College,  
GUDLAVALLERU-521356



Head of Mechanical Engineering  
Gudlavalleru Engineering College  
Seshadri Rao Knowledge Village  
GUDLAVALLERU - 521 356



# GUDLAVALLERU ENGINEERING COLLEGE

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

Seshadri Rao Knowledge Village, GUDLAVALLERU-521 356, Krishna District, A.P., India

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Phone Nos. 08674-273737, 273888, Fax No. 08674-273957

E-mail: principal@gecgudlavalleru.ac.in, office@gecgudlavalleru.ac.in, Web: www.gecgudlavalleru.ac.in

**Dr. A. JAWAHAR BABU, M.E. Ph.D**  
*Professor & HoD,*  
Department of Mechanical Engineering,

08<sup>th</sup> March, 2017

To

**Dr. B.V.S.S.S. Prasad,**  
Professor & HoD,  
Department of Mechanical Engineering,  
IIT Madras,  
CHENNAI – 600 036.

Sir,

Sub: - Invitation for Board of Studies Meeting – Request - Reg. .

xxx    xxx    xxx

Greetings!

Thank you very much for accepting our invitation to act as subject expert for Board of Studies (BoS) Member of Mechanical Engineering Department.

It is proposed to conduct Board of Studies (BoS) Meeting on 25-03-2017 (Saturday) at 10.00 A.M. in Mechanical Engineering Department Seminar Hall to finalize the course structure and syllabi for autonomous status of UG & PG Courses. In this regard, I invite you to attend the meeting and give your valuable suggestions in formulating the course structure & syllabi of our courses.

Thanking you Sir,

Yours Sincerely,

HoD



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**Dr. A. JAWAHAR BABU, M.E. Ph.D**  
*Professor & HoD,*  
Department of Mechanical Engineering,

08<sup>th</sup> March, 2017

To

**Dr K. Hema Chandra Reddy**  
Professor,  
Department of Mechanical Engineering,  
JNTUA, Anantapur

Sir,

Sub: - Invitation for Board of Studies Meeting – Request - Reg.

.xxx .xxx .xxx

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**Dr. A. JAWAHAR BABU, M.E. Ph.D**  
*Professor & HoD,*  
Department of Mechanical Engineering,

08<sup>th</sup> March, 2017

To

**Dr. K. Ramesh Kumar,**  
Scientist – G, Director  
Production ISATOM & Technology Transfer,  
DRDL Kanchanbag,  
Hyderabad – 500 058

Sir,

Sub: - Invitation for Board of Studies Meeting – Request - Reg.  
.xxx .xxx .xxx


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**Dr. A. JAWAHAR BABU, M.E. Ph.D**  
Professor & HoD,  
Department of Mechanical Engineering,

08<sup>th</sup> March, 2017

To

**Dr P .Bangaru Babu,**  
Professor,  
Department of Mechanical Engineering,  
National Institute of Warangal,  
Warangal

Sir,

Sub: - Invitation for Board of Studies Meeting – Request - Reg.

xxx xxx xxx

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**Dr. A. JAWAHAR BABU, M.E. Ph.D**  
*Professor & HoD,*  
Department of Mechanical Engineering,

08<sup>th</sup> March, 2017

To

**Mr. Burra Abhimitra,**  
CAD Designer, CAE,  
Mahindra Truck and Bus Division,  
Chinchwad, Pune - 411019.

Sir,

Sub: - Invitation for Board of Studies Meeting – Request - Reg.

xxx xxx xxx

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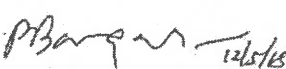


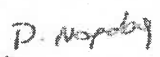






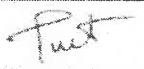

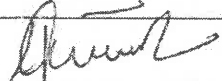
# GUDLAVALLERU ENGINEERING COLLEGE


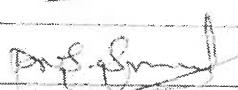








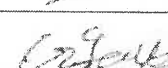












Seshadri Rao Knowledge Village, GUDLAVALLERU

## Department of Mechanical Engineering

Board of Studies meeting held at 10.00 AM on 25-03-2017 in Seminar Hall.

### Members Present:

S.No.	Name & Designation	Signature
1.	Dr. A. Jawahar Babu Prof. & HoD, Chairperson	
2.	Dr. B.V.S.S.S. Prasad Professor & HoD Department of Mechanical Engineering IIT Madras.	
3.	Dr P .Bangaru Babu Professor of Mechanical Engineering NIT Warangal, Warangal	
4.	Dr. K. Ramesh Kumar Scientist – G, Director Production ISATOM & Technology Transfer DRDL Kanchanbag, Hyderabad	
5.	Mr. Burra Abhimitra CAD Designer, CAE, Mahindra Truck and Bus Division, Pune – 411019	
6.	Dr. P. Nageswara Reddy Professor & Principal	
7.	Dr. P. Ravindra Babu Professor & Dean	
8.	Dr. K. Syam Sundar Professor	
9.	Dr. M.R.Ch. Sastry Professor	
10.	Sri K.Ch. Kishor Kumar Associate Professor	
11.	Sri D. Kiran Prasad Associate Professor	
12.	Sri B.V.S. Raghu Vamsi Sr. Assistant Professor	
13.	Sri P. Tejo Murthi Assistant Professor	
14.	Sri T. Siva Krishna Assistant Professor	
15.	Sri L. Ramesh Assistant Professor	

16.	Sri J. Phani Kumar Assistant Professor	
17.	Sri Galib Ila Assistant Professor	-
18.	Sri P.N.S. Srinivas Assistant Professor	
19.	Sri B. Ramesh Nayak Assistant Professor	
20.	Sri T. Naga Raju Assistant Professor	
21.	Ms. B. Anusha Assistant Professor	
22.	Sri S. Srikanth Assistant Professor	
23.	Sri P. Murari Assistant Professor	-
24.	Sri Johnyshaida Shaik Assistant Professor	-
25.	Sri M. Kamal Tej Assistant Professor	-
26.	Sri Y. Karun Kumar Assistant Professor	
27.	Ms. M. Krishna Prasanna Assistant Professor	
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34.	Sri Sravan Kumar Yadav Assistant Professor	
35.	Sri J. Chandra Sekhar Assistant Professor	
36.	Sri S.B. Karimulla Reddy Assistant Professor	
37.	Sri Kotilingam B Assistant Professor	
38.	Sri I. Mehar Anudeep Assistant Professor	
39.	Sri K. Kumara Swamy Assistant Professor	
40.	Sri Abhishek Kumar Assistant Professor	-
41.	Sri N. Premdasu Assistant Professor	
42.	Sri A. Rajesh Assistant Professor	
43.	Sri K. Sarath Babu Assistant Professor	-
44.	Sri D. Mohan Krishna Assistant Professor	

### Minutes of Board of Studies Meeting Held on 25-03-2017

After having thorough discussion on the course structure for B.Tech 2017 admitted batch, the following modifications are suggested by BOS members regarding the course structure.

- The no of credits of Linear Algebra and Differential Equations is increased to 4
- The title for the course Engineering Physics is changed to Physics for Engineers
- The course Engineer and Society is shifted to I year II Sem
- The Course Programming with C title is changed to Problem solving using C and the course is made as Integrated course
- It is suggested to change the tile of English Language lab to Functional English Lab
- Engineering Workshop is shifted to I year II Sem
- The course Classical Mechanics Title is changed to Engineering Mechanics and the no of credits increased to 4
- The course Environmental Studies is shifted to I year I Sem
- The course Engineering Economics and Accountancy is shifted to II year II sem
- Skill Development Program I is changed as geometric modeling
- The no of credits for Fluid Mechanics is changed to 3 from 4
- It is suggested to give three electives as optional electives
- The course Statistical and Numerical methods is shifted to II year II sem and credits are reduced to 3 from 4
- The title of the course Steam and Gas turbines is changed to Steam power generation
- Skill Development Program II course is changed as Engineering Analysis
- Mini Project is to be offered in III yr I Sem instead of III yr II Sem
- Design of power drives title is changed to Design of Power Transmission
- It is suggested to give the Finite Element Methods title as Principles of Finite Element Method.

- Heat Transfer credits are reduced from 4 to 3
- Simulation Lab credits are increased to 2
- Self Study Course credits are reduced to 2

The final course structure after the meeting is finalized along with the Professional core electives

Sl. No.	Course Work-Subject Area	Total no. of credits	% of credits	% of credits as per UGC
1	Basic Sciences (BS)	26	15.29	15-20
2	Humanities and Social Sciences (HSS)	18	10.58	10-15
3	Engineering Sciences (ES)	25	14.70	10-20
4	Professional Core (PC)	59	34.70	25-35
5	Professional Electives (PE)	15	8.82	8-12
6	Open Electives (OE) & Self Study Course	11	6.47	5-10
7	Other (Project, Internship, etc.)	16	9.41	8-10
8	Mandatory Non-Credit Courses			
Total		170	100	


- The chairman of the board of studies had presented the vision and mission of the department , program educational objectives and program specific outcomes of the program to the members .
- All the members of BoS have opined that the vision , mission and program educational objectives need no revision .
- The members discussed and finalized the following three program specific outcomes .

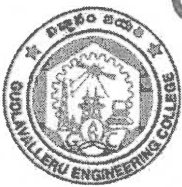
Engineering students will be able to

**PSO 1 :** design and analyze various thermal systems used in power generation and human comfort.

**PSO 2 :** design, analyze and develop products by adopting best manufacturing practices.

**PSO3 :** use various mechanical engineering software tools for design and analysis of various engineering components.

  
 Head of Mechanical Engineering  
 Gudlavalleru Engineering College  
 Seshadri Rao Knowledge Village  
 GUDLAVALLERU - 521 356



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**Dr. A. JAWAHAR BABU, M.E. Ph.D**  
Professor & HoD,  
Department of Mechanical Engineering,

20<sup>th</sup> July, 2016

To

**Dr. K. Ramesh Kumar,**  
Scientist – G, Director,  
Production ISATOM & Technology Transfer,  
DRDL, Kanchanbag,  
HYDERABAD – 500 058.

Sir,

**Sub: - Workshop / Interactive Session on Curriculum Design on 30<sup>th</sup> July, 2016 -**  
Invitation as a Resource person request-reg.

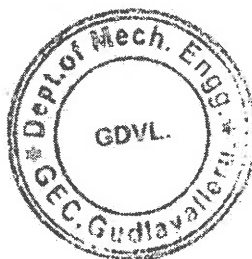
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We would like to design revised curriculum for the academic year 2017-18. In this regard, we are going to conduct a workshop / interactive session on curriculum design on 30<sup>th</sup> July, 2016. We found that expert like you will be the most suitable to give inputs to us for designing a revised curriculum. I take great pleasure to invite you as a resource person for this workshop / interactive session. Hence, I request you to accept our invitation and make it convenient to attend.

Thanking you Sir,

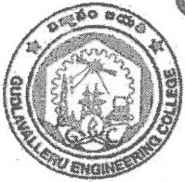
Yours Sincerely,



*AT*  
HoD

20/7/16

Head of Mechanical Engineering  
Gudlavalleru Engineering College  
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**Dr. A. JAWAHAR BABU, M.E. Ph.D**  
Professor & HoD,  
Department of Mechanical Engineering,

20<sup>th</sup> July, 2016

To

**Mr. Y. Radha Krishna,**  
Managing Partner,  
Faram Steel Products,  
JRD Tata Industrial Estate,  
VIJAYAWADA -7.

Sir,

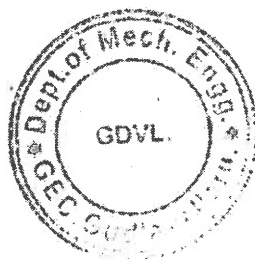
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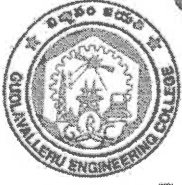
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Thanking you Sir,



Yours Sincerely,

*AT*  
HoD 20/7/16  
Head of Mechanical Engineering  
Gudlavalleru Engineering College  
Seshadri Rao Knowledge Village  
GUDLAVALLERU - 521 356



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E-mail: principal@gecgudlavalleru.ac.in, office@gecgudlavalleru.ac.in, Web: www.gecgudlavalleru.ac.in

Dr. A. JAWAHAR BABU, M.E. Ph.D  
Professor & HoD,  
Department of Mechanical Engineering,

20<sup>th</sup> July, 2016

To

Dr. B.V.S.S.S. Prasad,  
Professor & HoD,  
Department of Mechanical Engineering,  
IIT Madras,  
CHENNAI - 600 036.

Sir,

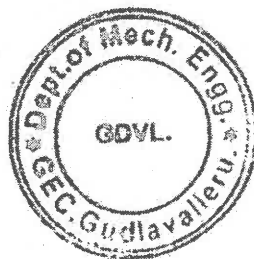
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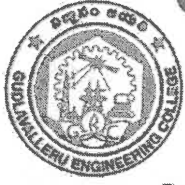
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Thanking you Sir,



Yours Sincerely,

*AT*  
HoD 22/7/16  
Head of Mechanical Engineering  
Gudlavalleru Engineering College  
Seshadri Rao Knowledge Village  
GUDLAVALLERU - 521 356



# GUDLAVALLERU ENGINEERING COLLEGE

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

Seshadri Rao Knowledge Village, GUDLAVALLERU-521 356, Krishna District, A.P., India  
(Approved by AICTE, New Delhi, Permitted by A.P. State Government and Accredited by NAAC)

NBA Accreditation : B.Tech - CSE for 5 Years, EEE, ME, ECE & IT for 2 Years

Phone Nos. 08674-273737, 273888, Mobile: 9848779121 Fax No. 08674-273957

E-mail: principal@gecgudlavalleru.ac.in, office@gecgudlavalleru.ac.in, Web: www.gecgudlavalleru.ac.in

**Dr. A. JAWAHAR BABU, M.E. Ph.D**  
Professor & HoD,  
Department of Mechanical Engineering,

20<sup>th</sup> July, 2016

To

**Dr. Krishnanand Lanka,**  
Professor of Mechanical Engineering,  
NIT Warangal,  
WARANGAL - 506004

Sir,

**Sub: - Workshop / Interactive Session on Curriculum Design on 30<sup>th</sup> July, 2016 -**  
Invitation as a Resource person request-reg.

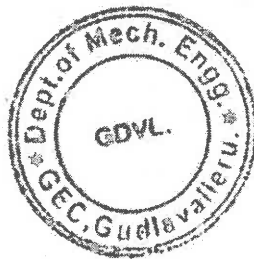
\* \* \* \* \*

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*AJ* 20/7/16  
HoD  
Head of Mechanical Engineering  
Gudlavalleru Engineering College  
Seshadri Rao Knowledge Village  
GUDLAVALLERU - 521 356



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Dr. A. JAWAHAR BABU, M.E. Ph.D  
Professor & HoD,  
Department of Mechanical Engineering,

20<sup>th</sup> July, 2016

To

Mr. N. Bhanu Gopal,  
Team Leader,  
Cyient Technologies,  
HYDERABAD.

Sir,

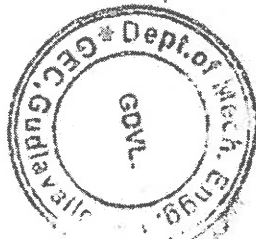
Sub: - Workshop / Interactive Session on Curriculum Design on 30<sup>th</sup> July, 2016 -  
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Thanking you Sir,



Yours Sincerely,

*AT*  
HoD 20/7/16

Head of Mechanical Engineering  
Gudlavalleru Engineering College  
Seshadri Rao Knowledge Village  
GUDLAVALLERU - 521 356

### Minutes of Meeting

After having thorough discussion on curriculum design , the following points are taken into consideration .

- Introduction of course Engineer and Society
- To introduce more no of computer aided laboratories . Engineering Graphics – II and Machine Drawing are to be made computer aided
- Introduction of skill development labs for students
- More number of inter departmental subjects can be offered in the form of electives .
- Electives on latest technology related courses can be introduced in the curriculum
- The maximum no of courses in a semester should not exceed 6. In some semesters , it is better to limit to 5 theory courses . In IV- I , it is better to have only 5 theory courses and in IV- II , only two theory courses. The number of labs in a semester are to be 2 /3 . If 6 theory courses are offered , two lab courses should be offered in that semester.

Based on the discussions held in the workshop , it is decided to offer the following tentative courses in each semester and the same may be proposed to Board of studies meeting

#### **I Year – I Semester**

S.No.	Course Code	Course Title		Total No. of Credits
1		Functional English	HSS	3
2		Linear Algebra and Differential Equations	BS	3
3		Engineering Physics	BS	3
4		Engineer & Society	HSS	2
5		Programming with 'C'	ES	3
6		Engineering Graphics	ES	3
7		English Language Lab	HSS	1
8		Engineering Workshop	ES	1
9		Engineering Physics Lab	BS	1
Total:				20

### I Year – II Semester

S.No.	Course Code	Course Title		Total No. of Credits
1		Professional Communication	HSS	2
2		Industrial Chemistry	BS	3
3		Integral Transforms and Vector Calculus	BS	3
4		Classical Mechanics	ES	3
5		Environmental Studies	HSS	3
6		Computer aided Engineering Drawing	ES	3
7		Fuels and Lubricants & Classical Mechanics Lab	BS	1
8		Professional Communication Lab	HSS	2
9		Sports & Games / Yoga / Cultural & Fine Arts / Self-defence course		0
Total:				20

### II Year – I Semester

S.No.	Course Code	Course Title		Total No. of Credits
1		Engineering Economics & Accountancy	HSS	3
2		Elements of Electrical & Electronics Engineering	ES	3
3		Metallurgy	CORE	3
4		Engineering Thermodynamics	ES	4
5		Solid Mechanics	ES	4
6		Kinematics of Machines	CORE	3
7		Electrical & Electronics Engineering Lab	ES	1
8		Solid Mechanics & Metallurgy Lab	CORE	1
9		Skill Development Program -I ( Modeling using Solid Works)	CORE	1
Total:				23

## II Year – II Semester

S.No.	Course Code	Course Title		Total No. of Credits
1		Manufacturing Processes	CORE	3
2		I.C Engines and Air Compressors	CORE	3
3		Dynamics of Machines	CORE	3
4		Fluid Mechanics	ES	4
5		Computer aided Machine Drawing	CORE	3
6		Open Elective – I • Elements of Manufacturing processes • Fundamentals of Automobile Engineering	OE	3
7		Thermal Engineering Lab	CORE	1
8		Manufacturing Processes Lab	CORE	1
<b>Total:</b>				<b>21</b>
9		<b>Optional Elective*</b>		
		a) Data Structures		3
		b) Nano-Technology		3
		c) Metal forming Technology		3
		d) Digital Logic Design		3

## III Year – I Semester

S.No.	Course Code	Course Title		Total No. of Credits
1		Statistical & Numerical Methods	BS	4
2		Steam & Gas Turbines	CORE	3
3		Fluid Machinery	CORE	3
4		Design of Machine Elements	CORE	3
		Core Elective I		
5		a) Non Destructive Techniques	CORE	3
		b) Automobile Engineering		3
		c) Design for manufacturing		3
		d) Interactive Computer Graphics		3
6		Open Elective – II	OE	3

		<ul style="list-style-type: none"> <li>• Elements of Transmission systems</li> <li>• Thermal &amp; Hydro Prime Movers</li> </ul>		
7		Fluid Mechanics & Hydraulic Machines Lab	CORE	1
8		Machine Dynamics Lab	CORE	1
9		Skill Development Program-II (Analysis using Ansys)	CORE	1
<b>Total :</b>				<b>22</b>
10		<b>Optional Elective*</b>		
		a) OOPs through JAVA		3
		b) Introduction to Microcontrollers		3
		c) Fuzzy Logic		3
		d) Product Design		3

### III Year – II Semester

S.No.	Course Code	Course Title		Total No. of Credits
1		Metal Cutting and Machine Tools	CORE	3
2		Design of Power Drives	CORE	3
3		Industrial Engineering & Management	CORE	3
4		Heat Transfer	CORE	4
5		Open Elective – III <ul style="list-style-type: none"> <li>• Material Science</li> <li>• Non Conventional Sources of Energy</li> </ul>	OE	3
<b>Core Elective II</b>				
6		a) Product Design	CORE ELECTIVE	3
		b) Robotics		
		c) Gas Dynamics and Jet propulsion		
		d) Finite Element Methods		
7		Heat Transfer Lab	CORE	1
8		Machine Tools Lab	CORE	1

9		Mini Project	CORE	2
<b>Total:</b>				<b>23</b>
9		<b>Optional Elective*</b>		
		a) Data Base Management Systems		3
		b) Sensors and Actuators		3
		c) Artificial Intelligence		3
		d) Mechatronics		3

#### IV Year – I Semester

S.No.	Course Code	Course Title		Total No. of Credits
1		Operations Research	BS	4
2		CAD / CAM	CORE	3
3		Instrumentation & Metrology	CORE	3
4		Refrigeration and air conditioning	CORE	3
5		<b>Core Elective – III</b>	CORE ELECTIVE.	3
		a) Computational Fluid Dynamics		
		b) Unconventional Machining Processes		
		c) Production Planning and Control		
		d) MATLAB		
6		Simulation Lab	CORE	1
7		Metrology and Instrumentation Lab	CORE	1
8		Self Study Course / Design of Mechanical Systems ( Industry oriented )	CORE	3
<b>Total:</b>				<b>21</b>
9		<b>Optional Elective*</b>		
		a) Big Data Analytics		3
		b) Embedded Systems		3
		c) Cryogenics		3
		d) Fracture Mechanics		3

# IV Year – II Semester

S.No.	Course Code	Course Title		Total No. of Credits
		Core Elective IV		
	1	a) Automation in Manufacturing	CORE ELECTIVE	3
		b) Advanced Materials		
		c) Power plant Engineering		
		d) Total Quality Management		
		Core Elective V		
	2	a) Condition monitoring	CORE ELECTIVE	3
		b) Design of Thermal Systems		
		c) Rapid Tooling And Prototyping		
		d) Non conventional Sources of Energy		
3		Internship / Practical Training		2
4		Project Work		12
Total:				20

TOTAL NUMBER OF CREDITS : 170



# SESHADRI RAO GUDLAVALLERU ENGINEERING COLLEGE

(An Autonomous Institute with Permanent Affiliation to JNTUK, Nellore)  
Seshadri Rao Knowledge Village, GUDLAVALLERU-521 356, Krishna District, A.P., India

(Approved by AICTE, New Delhi and Permitted by A.P. State Government)  
Accredited by NAAC

Phone Nos. 08674 273307, 273388, Mobile: +91 9848779121 Fax No. 08674 273857

E-mail: [principal@gecgudlavalleru.ac.in](mailto:principal@gecgudlavalleru.ac.in), [office@gecgudlavalleru.ac.in](mailto:office@gecgudlavalleru.ac.in), Web: [www.gecgudlavalleru.ac.in](http://www.gecgudlavalleru.ac.in)

**Dr. A. Jawahar Babu, M.E., Ph.D.**  
Professor & Head,  
Department of Mechanical Engineering.

11<sup>th</sup> April, 2022.

To

**Dr. G. Venkatarathnam,**  
Professor of Mechanical Engineering Department,  
Indian Institute of Technology Madras,  
Chennai, Tamilnadu.

Dear Sir,

**Sub: - Invitation for Virtual Board of Studies Meeting - R20 Regulations - Reg.**

\*\*\* \*\*


Greetings!

It is proposed to conduct Virtual Board of Studies meeting of Mechanical Engineering Department on 23<sup>rd</sup> April, 2022 (Saturday) at 10.00 AM in Microsoft Teams platform. In this regard, we invite you to join the meeting and give valuable suggestions in formulating the course structure and syllabi for UG curriculum.

**Agenda:**

- (i) To discuss and finalize the course structure and syllabi for III and IV B.Tech of R20 Regulations.
- (ii) Any other matter with the permission of the chair.

Yours sincerely,

  
**Dr. A. Jawahar Babu**  
BoS Chairman  
Dept. of Mech. Engg.



**SESHADRI RAO**  
**GUDLAVALLERU ENGINEERING COLLEGE**

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**Dr. A. Jawahar Babu, M.E., Ph.D.**  
Professor & Head,  
Department of Mechanical Engineering.

11<sup>th</sup> April, 2022.

To

Sri PVS Krishna Mohan Sharma,  
Senior Manager, Mahindra & Mahindra Ltd  
Chengalpattu, Tamilnadu.

Dear Sir,

**Sub: - Invitation for Virtual Board of Studies Meeting - R20 Regulations - Reg.**

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**Dr. A. Jawahar Babu, M.E., Ph.D.**  
Professor & Head,  
Department of Mechanical Engineering.

11<sup>th</sup> April, 2022.

To

**Dr. Krishnanand Lanka,**  
Professor of Mechanical Engineering Department,  
National Institute of Technology,  
Warangal.

Dear Sir,

**Sub: - Invitation for Virtual Board of Studies Meeting - R20 Regulations - Reg.**

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**Dr. A. Jawahar Babu, M.E., Ph.D.**  
Professor & Head,  
Department of Mechanical Engineering.

11<sup>th</sup> April, 2022.

To

**Dr. K. Meera Sahib,**  
Professor of Mechanical Engineering Department,  
Jawaharlal Nehru Technological University Kakinada  
Kakinada.

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BoS Chairman  
Dept. of Mech. Engg.

## Seshadri Rao Gudlavalleru Engineering College

(An Autonomous Institute with Permanent Affiliation to JNTUK Kakinada)


Seshadri Rao Knowledge Village GUDLAVALLERU

### Department of Mechanical Engineering

#### List of Board of Studies Members

S.No.	Name	Official Address	Role in the Committee
1	Dr. A.Jawahar Babu	Professor & Head ., Department of ME SR Gudlavalleru Engineering College	Chairman
2	Dr. K. Meera Saheb	Professor, Department of Mechanical Engineering JNTUK Kakinada	University Nominee
3	Dr. G.Venkatarathnam	Professor, Department of Mechanical Engineering Indian Institute of Technology Madras Chennai, Tamilnadu.	Subject Expert Nominated by Academic Council
4	Dr. Krishnanand Lanka	Professor ,Department of Mechanical Engineering National Institute of Technology , Warangal	Subject Expert Nominated by Academic Council
5	Sri PVS Krishna Mohan Sharma	Senior Manager Mahindra & Mahindra Ltd Chengalpattu , Tamilnadu.	Industry Representative
6	Mrs. Swapna Priya Vattam	Director ,Redhan Engineering Services , Vasai – East Palghar.	Alumni Representative
7	Dr. P. Ravindra Babu	Prof. & Advisor to the Mgt.,Department of ME SR Gudlavalleru Engineering College	Member
8	Dr. P. Nageswara Reddy	Prof. & Director (PGCRD),Department of ME SR Gudlavalleru Engineering College	Member
9	Dr. B. Karuna Kumar	Prof. & Director (AS&A),Department of ME SR Gudlavalleru Engineering College	Member
10	Dr. M.R.Ch. Sastry	Prof. & Vice Principal ,Department of ME SR Gudlavalleru Engineering College	Member
11	Dr. K. Syam Sundar	Prof. & CoE ,Department of ME SR Gudlavalleru Engineering College	Member
12	Sri K.Ch. Kishor Kumar	Associate Professor ,Department of ME SR Gudlavalleru Engineering College	Member
13	Sri D. Kiran Prasad	Associate Professor ,Department of ME SR Gudlavalleru Engineering College	Member
14	Dr. J.A. Ranga Babu	Associate Professor ,Department of ME SR Gudlavalleru Engineering College	Member
15	Dr. G. Prabhakara Rao	Associate Professor ,Department of ME SR Gudlavalleru Engineering College	Member
16	Sri B.V.S. Raghu Vamsi	Sr.Gr. Asst. Prof ,Department of ME SR Gudlavalleru Engineering College	Member
17	Sri P. Tejomurthi	Assistant Professor, Department of ME SR Gudlavalleru Engineering College	Member
18	Dr. T. Narasimha Suri	Assistant Professor, Department of ME SR Gudlavalleru Engineering College	Member
19	Sri T. Siva Krishna	Assistant Professor, Department of ME SR Gudlavalleru Engineering College	Member
20	Dr. L. Ramesh	Assistant Professor, Department of ME SR Gudlavalleru Engineering College	Member
21	Sri T. Nagaraju	Assistant Professor, Department of ME SR Gudlavalleru Engineering College	Member

S.No.	Name	Official Address	Role in the Committee
22	Sri D. Tarun	Assistant Professor, Department of ME SR Gudlavalleru Engineering College	Member
23	Dr. G. Karuna Kumar	Assistant Professor, Department of ME SR Gudlavalleru Engineering College	Member
24	Sri S.B. Karimulla Reddy	Assistant Professor, Department of ME SR Gudlavalleru Engineering College	Member
25	Sri N. Premdasu	Assistant Professor, Department of ME SR Gudlavalleru Engineering College	Member
26	Sri A. Rajesh	Assistant Professor, Department of ME SR Gudlavalleru Engineering College	Member
27	Sri K. Ramakanth	Assistant Professor, Department of ME SR Gudlavalleru Engineering College	Member
28	Sri G.V. Jagadeesh	Assistant Professor, Department of ME SR Gudlavalleru Engineering College	Member
29	Sri K. Krishna Kishore	Assistant Professor, Department of ME SR Gudlavalleru Engineering College	Member
30	Sri M. Ujwal Teja	Assistant Professor, Department of ME SR Gudlavalleru Engineering College	Member
31	Sri G. Ratna Kumar	Assistant Professor, Department of ME SR Gudlavalleru Engineering College	Member
32	Sri P. Saiyanarayana	Assistant Professor, Department of ME SR Gudlavalleru Engineering College	Member
33	Sri P. Yugandhar Babu	Assistant Professor, Department of ME SR Gudlavalleru Engineering College	Member
34	Sri D. Kishore Babu	Assistant Professor, Department of ME SR Gudlavalleru Engineering College	Member
35	Sri D. Santosh Kumar	Assistant Professor, Department of ME SR Gudlavalleru Engineering College	Member
36	Sri K. Nagaraju	Assistant Professor, Department of ME SR Gudlavalleru Engineering College	Member
37	Sri M.D.V. Vara Prasad	Assistant Professor, Department of ME SR Gudlavalleru Engineering College	Member

  
**Dr. A. Jawahar Babu**  
 BoS Chairman  
 Dept. of Mech. Engg.

Meeting Summary					
Total Number of Participants	37				
Meeting Title	BOS Meeting on 23-04-22 SRGEC,Gudlavaluru ME Dept				
Meeting Start Time	4/23/2022, 9:28:25 AM				
Meeting End Time	4/23/2022, 12:56:10 PM				
Meeting Id	42002fe8-b0cf-4c46-a7f7-e1b7cfc3dd17				
Full Name	Join Time	Leave Time	Duration	Email	Role
HoD ME	4/23/2022, 9:28:25 AM	4/23/2022, 12:54:37 PM	3h 26m	hodme@gecgudlavalurumic.in	Organizer
HoD ME	4/23/2022, 12:55:49 PM	4/23/2022, 12:56:10 PM	21s	hodme@gecgudlavalurumic.in	Organizer
D KIRAN PRASAD (Guest)	4/23/2022, 9:41:20 AM	4/23/2022, 9:54:17 AM	12m 57s		Presenter
D KIRAN PRASAD (Guest)	4/23/2022, 9:58:24 AM	4/23/2022, 10:43:50 AM	45m 26s		Presenter
D KIRAN PRASAD (Guest)	4/23/2022, 10:44:59 AM	4/23/2022, 12:56:10 PM	2h 11m		Presenter
S. B. Karimulla Reddy	4/23/2022, 9:42:28 AM	4/23/2022, 9:43:59 AM	1m 31s	sbr92@gecgudlavalurumic.in	Attendee
S. B. Karimulla Reddy	4/23/2022, 10:01:28 AM	4/23/2022, 12:03:06 PM	2h 1m	sbr92@gecgudlavalurumic.in	Attendee
Dr A Jawahar Babu (Guest)	4/23/2022, 9:43:31 AM	4/23/2022, 9:58:09 AM	14m 38s		Presenter
Dr. J. A. Ranga Babu	4/23/2022, 9:47:38 AM	4/23/2022, 12:55:23 PM	3h 7m	jarb1@gecgudlavalurumic.in	Presenter
Dr. P. Ravindra Babu	4/23/2022, 9:49:49 AM	4/23/2022, 12:54:30 PM	3h 4m	prbabu1961@gecgudlavalurumic.in	Presenter
N. Premdas	4/23/2022, 9:51:56 AM	4/23/2022, 12:56:10 PM	3h 4m	p0713@gecgudlavalurumic.in	Attendee
P. Nageswara Reddy (Guest)	4/23/2022, 9:54:54 AM	4/23/2022, 12:54:34 PM	2h 59m		Presenter
Dr. M. R. Ch. Sastry	4/23/2022, 9:58:32 AM	4/23/2022, 12:55:05 PM	2h 56m	mrchs@gecgudlavalurumic.in	Presenter
G Venkatarathnam IITM (Guest)	4/23/2022, 9:58:36 AM	4/23/2022, 10:17:59 AM	19m 22s		Attendee
Lanka Krishnanand (Guest)	4/23/2022, 9:59:06 AM	4/23/2022, 12:54:34 PM	2h 55m		Attendee
M. Ujwal Teja	4/23/2022, 9:59:13 AM	4/23/2022, 12:56:10 PM	2h 56m	utm86@gecgudlavalurumic.in	Attendee
Swapna Priya Varthem Redhan Engg (Guest)	4/23/2022, 10:00:20 AM	4/23/2022, 10:55:50 AM	55m 29s		Attendee
Kota Syam Sundar (Guest)	4/23/2022, 10:01:41 AM	4/23/2022, 12:54:34 PM	2h 52m		Presenter
Dr G V S N R V Prasad	4/23/2022, 10:02:15 AM	4/23/2022, 12:55:55 PM	2h 53m	gutta.prasad1@gecgudlavalurumic.in	Attendee
SARMA K M	4/23/2022, 10:02:42 AM	4/23/2022, 12:54:32 PM	2h 51m	SARMA.K@mahindra.com	Attendee
D. Tarun	4/23/2022, 10:04:46 AM	4/23/2022, 12:33:53 PM	2h 29m	dt414@gecgudlavalurumic.in	Attendee
L. Ramesh	4/23/2022, 10:05:32 AM	4/23/2022, 12:07:16 PM	2h 1m	lr007@gecgudlavalurumic.in	Attendee
L. Ramesh	4/23/2022, 12:18:19 PM	4/23/2022, 12:55:14 PM	36m 54s	lr007@gecgudlavalurumic.in	Attendee
K. Ch. Kishore Kumar	4/23/2022, 10:06:29 AM	4/23/2022, 10:18:00 AM	11m 31s	kchkk@gecgudlavalurumic.in	Attendee
G. Karuna Kumar	4/23/2022, 10:07:08 AM	4/23/2022, 10:25:35 AM	18m 27s	kk998@gecgudlavalurumic.in	Attendee
G. Karuna Kumar	4/23/2022, 10:27:02 AM	4/23/2022, 12:35:46 PM	2h 8m	kk998@gecgudlavalurumic.in	Attendee

G. Karuna Kumar	4/23/2022, 12:37:28 PM	4/23/2022, 12:50:40 PM	13m 12s	kk998@gecgudlavalurumic.in	Attendee
DR K MEERASAHEB (Guest)	4/23/2022, 10:09:13 AM	4/23/2022, 12:22:02 PM	2h 12m		Attendee
Dr. G. Prabhakar Rao	4/23/2022, 10:10:28 AM	4/23/2022, 11:06:04 AM	55m 36s	m6396@gecgudlavalurumic.in	Attendee
Dr. G. Prabhakar Rao	4/23/2022, 11:34:40 AM	4/23/2022, 11:39:31 AM	4m 51s	m6396@gecgudlavalurumic.in	Attendee
Dr. G. Prabhakar Rao	4/23/2022, 11:40:49 AM	4/23/2022, 12:56:10 PM	1h 15m	m6396@gecgudlavalurumic.in	Attendee
G. Ratna Kumar	4/23/2022, 10:11:51 AM	4/23/2022, 10:34:13 AM	22m 22s	grk12@gecgudlavalurumic.in	Attendee
G Venkatarathnam IITM (Guest)	4/23/2022, 10:18:58 AM	4/23/2022, 12:54:06 PM	2h 35m		Attendee
Dudla Kishore Babu	4/23/2022, 10:18:59 AM	4/23/2022, 10:41:35 AM	22m 36s	kishore@gecgudlavalurumic.in	Attendee
B. V. S. Raghu Vamsi	4/23/2022, 10:21:35 AM	4/23/2022, 12:33:24 PM	2h 11m	bvsrv@gecgudlavalurumic.in	Attendee
B. V. S. Raghu Vamsi	4/23/2022, 12:40:56 PM	4/23/2022, 12:56:09 PM	15m 12s	bvsrv@gecgudlavalurumic.in	Attendee
Nagaraju Tenali	4/23/2022, 10:23:56 AM	4/23/2022, 10:44:51 AM	20m 55s		Attendee
P. Satyanarayana	4/23/2022, 10:24:22 AM	4/23/2022, 10:33:02 AM	8m 39s	satya@gecgudlavalurumic.in	Attendee
P. Satyanarayana	4/23/2022, 10:47:41 AM	4/23/2022, 12:56:10 PM	2h 8m	satya@gecgudlavalurumic.in	Attendee
Santosh Kumar Dimmeta	4/23/2022, 10:26:44 AM	4/23/2022, 11:48:16 AM	1h 21m	santosh@gecgudlavalurumic.in	Attendee
K.KRISHNA KISHORE (Guest)	4/23/2022, 10:51:05 AM	4/23/2022, 10:52:24 AM	1m 19s		Attendee
Ramakanth Kommuri (Guest)	4/23/2022, 10:53:46 AM	4/23/2022, 10:58:09 AM	4m 23s		Attendee
V.PAVANKUMAR	4/23/2022, 10:55:10 AM	4/23/2022, 11:38:04 AM	42m 54s	vpk64@gecgudlavalurumic.in	Attendee
Swapna Priya Vattam_ Redhan Engg (Guest)	4/23/2022, 10:56:07 AM	4/23/2022, 12:54:37 PM	1h 58m		Attendee
Dr. T.N:Suri (Guest)	4/23/2022, 11:00:40 AM	4/23/2022, 12:55:04 PM	1h 54m		Attendee
V. Pavan Kumar (Guest)	4/23/2022, 11:37:27 AM	4/23/2022, 11:39:47 AM	2m 20s		Attendee
V. Pavan Kumar (Guest)	4/23/2022, 11:46:19 AM	4/23/2022, 12:23:36 PM	37m 17s		Attendee
V. Pavan Kumar (Guest)	4/23/2022, 11:40:49 AM	4/23/2022, 11:46:29 AM	5m 40s		Attendee
Director AS&A	4/23/2022, 12:14:42 PM	4/23/2022, 12:55:01 PM	40m 19s	director.asa@gecgudlavalurumic.in	Attendee

*A. A. Jawahar Babu*

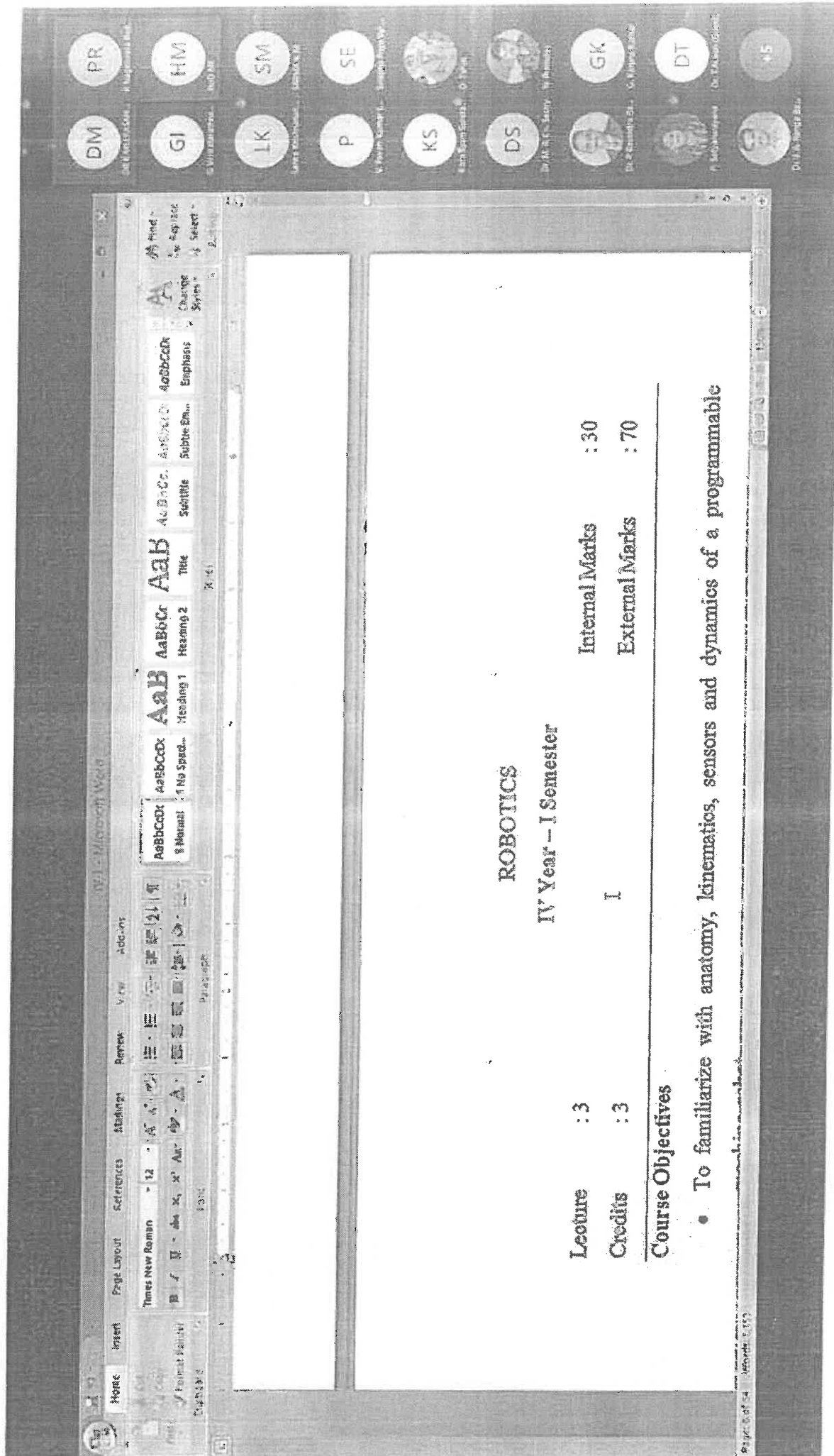
Dr. A. Jawahar Babu

BoS Chairman

Dept. of Mech. Engg







## ROBOTICS

### IV Year - I Semester

Lecture	: 3	Internal Marks	: 30
Credits	: 3	External Marks	: 70

#### Course Objectives

- To familiarize with anatomy, kinematics, sensors and dynamics of a programmable



MS-Word-2010-Microsoft Word

Microsoft Word ribbon tabs: Home, Insert, Page Layout, References, Mailings, Review, View, Add-Ins. The ribbon is currently set to the 'References' tab, showing options for text, lists, and citations.

### III Year 1<sup>st</sup> Semester

S. No.	Name of the Course / Laboratory	No. of Hours / week			No. of Credits
		L	T	P	
1	Metal Cutting and Machine Tools	PC	3	1	4
2	Principles of Industrial Engineering	PC	3	-	3
3	Steam and Gas Turbines	PC	2	1	3
4	Professional Elective - I	PE	3	-	3
	Automobile Engineering				
	Unconventional Machining Processes				
	Mechanical Vibrations				
5	Optimization Techniques	OE	3	-	3
6	Open Elective - II				
7	Machine Tools Lab	PC	-	2	1
8	Fluid Mechanics and Hydraulic Machines Lab	PC	-	2	1
9	Solid Modeling and Meshing Lab (SOC - I)	SOC	-	4	2
	Socially Relevant Project	PRO	-	2	1

Minutes of Board of Studies Meeting held on 23<sup>rd</sup> April, 2022

**Suggestions by Dr. G.Venkatarathnam, Professor , IITM ,Chennai , Tamilnadu.**

- suggested to include combined cycle topic in steam and gas turbines course
- advised to add carbon footprint topic in automobile engineering course
- suggested to include carbon credit topic in green engineering
- opined to trim the syllabus of R&AC
- suggested include more topics on finite volume methods and reduce finite difference method topics in computational fluid dynamics course

**Suggestions by Dr. Krishnanand Lanka, Professor, National Institute of Technology, Warangal**

- Entrepreneurship course is to be offered in IV- I by adding marketing and financial aspects
- opined that supply chain management / operations management / production planning and control to be offered as core elective
- suggested to ensure industrial engineering related courses in each core elective
- advised that hydro forming topic may be added in unconventional machining processes or any other possible course
- proposed operations research by Taha as text book for optimization techniques course
- suggested to add integer programming in optimization techniques course
- suggested to add Raspberry pi and arduino topics in mechatronics course
- opined to add additive manufacturing formats in additive manufacturing course
- suggested to include autonomous robots topic in robotics course
- suggested to add robust design concepts , design of experiments concepts in quality governance course
- opined that augmented reality and virtual & mixed reality may be added in Automation in Manufacturing

**Suggestions by Dr. K. Meera Saheb, Professor, JNTUK, Kakinada**


- advised to offer composite materials as core elective
- opined to offer two internships, one between 2-2 and 3-1 and the second between 3-2 and 4-1
- opined to offer MOOCs as 5<sup>th</sup> course in each core elective

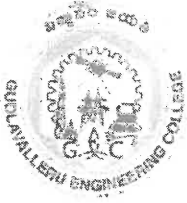
**Suggestions by Sri PVS Krishna Mohan Sharma, Senior Manager, Mahindra & Mahindra Ltd ,Chengalpattu**

- suggested to include topics related to battery management system in automobile engineering
- recommended to include Toyota production management system
- failure mode and effect analysis to be incorporated in DFM course
- Just in sequence and Just in Time concepts may be added in Quality Governance course

**Suggestions by Mrs. Swapna Priya Vattam, Director, Redhan Engineering Services, Vasai, Palghar.**

- suggested to include piping and marine engineering concepts

  
**Dr. A. Jawahar Babu**  
BoS Chairman  
Dept. of Mech. Engg.



**Dr. A. Jawahar Babu, M.E., Ph.D.**  
*Professor & Head,*  
*Department of Mechanical Engineering.*

19<sup>th</sup> May, 2021.

To

**Mrs. Swapna Priya Vатtem,**  
*Managing Partner,*  
*Redhan Engineering Services,*  
*Thane*

Dear Sir,

**Sub: - Invitation for virtual Board of Studies Meeting - R20 Regulations - Reg.**

\*\*\*      \*\*\*      \*\*\*

Greetings!

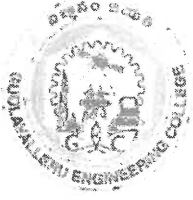
It is proposed to conduct virtual Board of Studies (BoS) meeting of Mechanical Engineering Department on 25.05.2021 (Tuesday) at 10.00 AM in Microsoft teams platform. In this regard, I invite you to join the meeting and give valuable suggestions in formulating the course structure and syllabi for UG curriculum of R20 Regulations.

**Agenda:**

- (i) To discuss and finalize the course structure and syllabi for II, III and IV B.Tech of R20 Regulations .
- (ii) To discuss and finalize the Minor Degree and Honors Degree courses offered by Mechanical Engineering Department .
- (iii) Any other matter with the permission of the chair.

Yours Sincerely,

**Dr. A. Jawahar Babu**  
BoS Chairman  
Dept. of Mech. Engg.



**Dr. A. Jawahar Babu, M.E., Ph.D.**  
*Professor & Head,  
Department of Mechanical Engineering.*

19<sup>th</sup> May, 2021.

To

**Mr. P. V. S. Krishna Mohan Sharma,**  
*Senior Manager,  
Mahindra & Mahindra Ltd  
Chengalpattu,  
Tamilnadu*

Dear Sir,

**Sub: - Invitation for virtual Board of Studies Meeting - R20 Regulations - Reg.**

\*\*\*      \*\*\*      \*\*\*

Greetings!

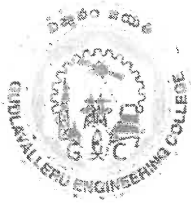
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Yours Sincerely,

**Dr. A. Jawahar Babu**  
BoS Chairman  
Dept. of Mech. Engg.



**Dr. A. Jawahar Babu, M.E., Ph.D.**  
*Professor & Head,*  
*Department of Mechanical Engineering.*

19<sup>th</sup> May, 2021.

To

**Dr. Krishnanand Lanka,**  
*Professor ,*  
*Department of Mechanical Engineering,*  
*National Institute of Technology,*  
*Warangal .*

Dear Sir,

**Sub: - Invitation for virtual Board of Studies Meeting - R20 Regulations - Reg.**

\*\*\*      \*\*\*      \*\*\*

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Yours Sincerely,

**Dr. A. Jawahar Babu**  
BoS Chairman  
Dept. of Mech. Engg.



**Dr. A. Jawahar Babu, M.E., Ph.D.**  
*Professor & Head,*  
*Department of Mechanical Engineering.*

19<sup>th</sup> May, 2021.

To

**Dr. K. Meera Saheb,**  
*Professor ,*  
*Department of Mechanical Engineering,*  
*Jawaharlal Nehru Technological University Kakinada,*  
*Kakinada*

Dear Sir,

**Sub: - Invitation for virtual Board of Studies Meeting - R20 Regulations - Reg.**

\*\*\*      \*\*\*      \*\*\*

Greetings!

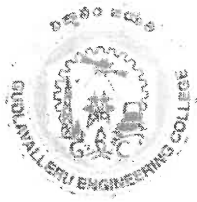
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Yours Sincerely,

**Dr. A. Jawahar Babu**  
BoS Chairman  
Dept. of Mech. Engg.



**Dr. A. Jawahar Babu, M.E., Ph.D.**  
*Professor & Head,*  
*Department of Mechanical Engineering.*

19<sup>th</sup> May , 2021.

To

**Dr. G. Venkatarathnam,**  
*Professor ,*  
*Department of Mechanical Engineering,*  
*Indian Institute of Technology Madras,*  
*Chennai.*

Dear Sir,

**Sub: - Invitation for virtual Board of Studies Meeting - R20 Regulations - Reg.**

\*\*\*      \*\*\*      \*\*\*

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It is proposed to conduct virtual Board of Studies (BoS) meeting of Mechanical Engineering Department on 25.05.2021 (Tuesday) at 10.00 AM in Microsoft teams platform. In this regard , I invite you to join the meeting and give valuable suggestions in formulating the course structure and syllabi for UG curriculum of R20 Regulations.

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Yours Sincerely,

**Dr. A. Jawahar Babu**  
BoS Chairman  
Dept. of Mech. Engg.

Meeting Summary	
Total Number of Participants	45
Meeting Title	BOS Meeting _ GEC, Gudlavalleru (25.05.21)
Meeting Start Time	5/25/2021, 9:43:00 AM
Meeting End Time	5/25/2021, 12:55:55 PM

Full Name	Join Time	Leave Time	Duration	Email	Role
D. Kiran Prasad	5/25/2021, 9:43:00 AM	5/25/2021, 12:55:55 PM	3h 12m	dkp10@gecgudlavalallurumic.in	Organizer
B. V. S. Raghu Vamsi	5/25/2021, 9:43:08 AM	5/25/2021, 12:55:55 PM	3h 12m	bvsrv@gecgudlavalallurumic.in	Presenter
Dr. G. Prabhakar Rao	5/25/2021, 9:43:09 AM	5/25/2021, 12:01:32 PM	2h 18m	m6396@gecgudlavalallurumic.in	Presenter
Dr G V S N R V Prasad	5/25/2021, 9:45:35 AM	5/25/2021, 12:06:54 PM	2h 21m	gutta.prasad1@gecgudlavalallurumic.in	Presenter
Dr. J. A. Ranga Babu	5/25/2021, 9:45:40 AM	5/25/2021, 12:55:55 PM	3h 10m	jarb1@gecgudlavalallurumic.in	Presenter
principal	5/25/2021, 9:45:50 AM	5/25/2021, 9:47:01 AM	1m 10s	principal@konsols.com	Presenter
Dr. A. Jawahar Babu	5/25/2021, 9:47:50 AM	5/25/2021, 12:03:28 PM	2h 15m	jawahar53@gecgudlavalallurumic.in	Presenter
Dr. A. Jawahar Babu	5/25/2021, 12:08:13 PM	5/25/2021, 12:55:49 PM	47m 36s	jawahar53@gecgudlavalallurumic.in	Presenter
Dr. P. Ravindra Babu	5/25/2021, 9:49:49 AM	5/25/2021, 9:52:43 AM	2m 53s	prbabu1961@gecgudlavalallurumic.in	Presenter
Dr. P. Ravindra Babu	5/25/2021, 9:57:24 AM	5/25/2021, 12:03:17 PM	2h 5m	prbabu1961@gecgudlavalallurumic.in	Presenter
Dr. P. Ravindra Babu	5/25/2021, 12:18:00 PM	5/25/2021, 12:22:03 PM	4m 2s	prbabu1961@gecgudlavalallurumic.in	Presenter
K. Ch. Kishore Kumar	5/25/2021, 9:50:13 AM	5/25/2021, 12:55:55 PM	3h 5m	kchkk@gecgudlavalallurumic.in	Presenter
Dr.Srinivasa Rao Gampa (Guest)	5/25/2021, 9:50:24 AM	5/25/2021, 10:53:41 AM	1h 3m		Presenter
Dr. B. Karuna Kumar	5/25/2021, 9:50:36 AM	5/25/2021, 12:04:49 PM	2h 14m	kkburra62@gecgudlavalallurumic.in	Presenter
K. Ramakanth	5/25/2021, 9:50:46 AM	5/25/2021, 9:52:55 AM	2m 9s	rk123@gecgudlavalallurumic.in	Presenter
K. Ramakanth	5/25/2021, 9:55:51 AM	5/25/2021, 10:57:49 AM	1h 1m	rk123@gecgudlavalallurumic.in	Presenter
K. Ramakanth	5/25/2021, 11:55:43 AM	5/25/2021, 12:00:53 PM	5m 9s	rk123@gecgudlavalallurumic.in	Presenter
T. Siva krishna	5/25/2021, 9:50:58 AM	5/25/2021, 10:42:08 AM	51m 9s	tsk46@gecgudlavalallurumic.in	Presenter
T. Siva krishna	5/25/2021, 12:05:15 PM	5/25/2021, 12:23:07 PM	17m 51s	tsk46@gecgudlavalallurumic.in	Presenter
Dr. G. S. Bhaskara Rao	5/25/2021, 9:53:51 AM	5/25/2021, 10:59:42 AM	1h 5m	gsbr666@gecgudlavalallurumic.in	Presenter
Dr. G. S. Bhaskara Rao	5/25/2021, 12:09:01 PM	5/25/2021, 12:13:16 PM	4m 15s	gsbr666@gecgudlavalallurumic.in	Presenter
J. Phani Kumar	5/25/2021, 9:54:39 AM	5/25/2021, 12:55:55 PM	3h 1m	drpk2@gecgudlavalallurumic.in	Presenter
S. B. Karimulla Reddy	5/25/2021, 9:56:08 AM	5/25/2021, 11:02:31 AM	1h 6m	sbr92@gecgudlavalallurumic.in	Presenter
M. Premdas	5/25/2021, 9:56:19 AM	5/25/2021, 12:05:30 PM	2h 9m	p0713@gecgudlavalallurumic.in	Presenter
N. Premdas	5/25/2021, 12:13:33 PM	5/25/2021, 12:55:55 PM	42m 21s	p0713@gecgudlavalallurumic.in	Presenter
Dr. R. Swetha	5/25/2021, 9:56:52 AM	5/25/2021, 11:14:27 AM	1h 17m	swetha@gecgudlavalallurumic.in	Presenter
Dr. T. Narasimha Suri	5/25/2021, 9:59:34 AM	5/25/2021, 12:06:49 PM	2h 7m	me033@gecgudlavalallurumic.in	Presenter
\\swapna (Guest)\\\\"	5/25/2021, 10:00:16 AM	5/25/2021, 12:03:36 PM	2h 3m		Presenter
D.Vijay Arun (EEE) (Guest)	5/25/2021, 10:00:16 AM	5/25/2021, 11:20:33 AM	1h 20m		Presenter

D. Vijay Arun (EEE) (Guest)	5/25/2021	1:24:29 AM	5/25/2021, 12:07:41 PM	43r 1s		Presenter
D. Vijay Arun (EEE) (Guest)	5/25/2021	12:09:27 PM	5/25/2021, 12:20:25 PM	10m 57s		Presenter
G. V. Jagadeesh	5/25/2021	10:00:17 AM	5/25/2021, 12:03:19 PM	2h 3m	gvj93@gecgudlavalallerumic.in	Presenter
Krishnanand Lanka	5/25/2021	10:02:05 AM	5/25/2021, 12:03:19 PM	2h 1m	lanka@nitw.ac.in	Presenter
Dr. K. Shyam Sundar	5/25/2021	10:03:13 AM	5/25/2021, 12:22:54 PM	2h 19m	kss12@gecgudlavalallerumic.in	Presenter
Dr. P. Nageswara Reddy	5/25/2021	10:04:49 AM	5/25/2021, 12:07:13 PM	2h 2m	pnreddy64@gecgudlavalallerumic.in	Presenter
Dr. M. R. Ch. Sastry	5/25/2021	10:05:45 AM	5/25/2021, 12:40:59 PM	2h 35m	mirchs@gecgudlavalallerumic.in	Presenter
Dr pkrr	5/25/2021	10:06:19 AM	5/25/2021, 10:34:44 AM	28m 24s		Presenter
A. Rajesh	5/25/2021	10:07:12 AM	5/25/2021, 12:55:55 PM	2h 48m	raj34@gecgudlavalallerumic.in	Presenter
P. Tejo Murthi	5/25/2021	10:08:48 AM	5/25/2021, 12:55:55 PM	2h 47m	ptm53@gecgudlavalallerumic.in	Presenter
DR MEERASAHEB KOPPANATI	5/25/2021	10:09:02 AM	5/25/2021, 11:05:30 AM	56m 27s	admin@UCEKJNTUKKAKINADA253.onmicr	Presenter
DR MEERASAHEB KOPPANATI	5/25/2021	12:16:34 PM	5/25/2021, 12:19:28 PM	2m 53s	admin@UCEKJNTUKKAKINADA253.onmicr	Presenter
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L. Ramesh	5/25/2021	10:11:12 AM	5/25/2021, 12:55:55 PM	2h 44m	lr007@gecgudlavalallerumic.in	Presenter
G. Karuna Kumar	5/25/2021	10:12:14 AM	5/25/2021, 10:16:49 AM	4m 34s	kk998@gecgudlavalallerumic.in	Presenter
G. Karuna Kumar	5/25/2021	10:24:50 AM	5/25/2021, 10:53:42 AM	28m 51s	kk998@gecgudlavalallerumic.in	Presenter
P. Satyanarayana	5/25/2021	10:12:15 AM	5/25/2021, 10:55:15 AM	42m 59s	satya@gecgudlavalallerumic.in	Presenter
Dr.S.Suresh (Guest)	5/25/2021	10:22:12 AM	5/25/2021, 10:50:28 AM	28m 15s		Presenter
G. Ratna Kumar	5/25/2021	10:25:55 AM	5/25/2021, 10:32:03 AM	6m 7s	grk12@gecgudlavalallerumic.in	Presenter
G. Ratna Kumar	5/25/2021	10:52:20 AM	5/25/2021, 11:39:41 AM	47m 20s	grk12@gecgudlavalallerumic.in	Presenter
G. Ratna Kumar	5/25/2021	12:46:01 PM	5/25/2021, 12:47:49 PM	1m 47s	grk12@gecgudlavalallerumic.in	Presenter
siva (Guest)	5/25/2021	10:42:45 AM	5/25/2021, 12:00:45 PM	1h 17m		Presenter
T. Nagaraju	5/25/2021	10:56:31 AM	5/25/2021, 11:00:09 AM	3m 37s	raju4@gecgudlavalallerumic.in	Presenter
T. Nagaraju	5/25/2021	11:03:55 AM	5/25/2021, 12:08:01 PM	1h 4m	raju4@gecgudlavalallerumic.in	Presenter
Santosh Kumar Dimmeta	5/25/2021	11:00:51 AM	5/25/2021, 12:03:31 PM	1h 2m	santosh@gecgudlavalallerumic.in	Presenter
P. Rami Reddy	5/25/2021	11:04:38 AM	5/25/2021, 12:04:59 PM	1h	rami@gecgudlavalallerumic.in	Presenter
M. Ujwal Teja	5/25/2021	11:07:23 AM	5/25/2021, 12:55:55 PM	1h 48m	utm86@gecgudlavalallerumic.in	Presenter
D. Tarun	5/25/2021	11:12:00 AM	5/25/2021, 11:15:21 AM	3m 20s	dt414@gecgudlavalallerumic.in	Presenter
D. Tarun	5/25/2021	12:01:27 PM	5/25/2021, 12:08:25 PM	6m 58s	dt414@gecgudlavalallerumic.in	Presenter
K. Krishna Kishore	5/25/2021	11:30:16 AM	5/25/2021, 12:03:35 PM	33m 19s	kkk11@gecgudlavalallerumic.in	Presenter
P. N. S. Srinivas	5/25/2021	11:59:09 AM	5/25/2021, 12:05:46 PM	6m 36s	pnss20@gecgudlavalallerumic.in	Presenter
dvijayarun@gecgudlavalallerumic.in	5/25/2021	12:09:31 PM	5/25/2021, 12:09:39 PM	8s		Presenter

  
**Dr. A. Jawahar Babu**  
 BoS Chairman  
 Dept. of Mech. Engg.

# **GUDLAVALLERU ENGINEERING COLLEGE**

(An Autonomous Institute with Permanent Affiliation to JNTUK, Kakinada)  
Seshadri Rao Knowledge Village, Gudlavalleru – 521 356

## **Department of Mechanical Engineering**

### Minutes of Board of Studies Meeting held on 25.05.21:

- Dr. G Venkata Ratnam has opined to have only one programming course python programming in II-II instead of two programming courses , Python Programming and Programming for Corporate .
- Dr. Meera Saheb suggested that as per APSCHE , there should be four mathematics courses in the curriculum and suggested to include one more mathematics course as there are only three such courses.
- Dr L Krishnanand suggested that Linguistic competency building can be categorized as skill oriented course.
- Dr. Meera Saheb suggested that as per APSCHE , there should be two summer internship courses , one after II-II and second one after III-II.
- Dr L Krishnanand suggested to have mini project in III-II and MOOC course in IV-II.
- Dr L Krishnanand suggested to include Total Quality Management as professional elective.
- Mrs. Swapna Priya suggested to include basic concepts of reading codes for pressure vessels , heat exchangers etc in the syllabi.
- Mrs. Swapna Priya suggested to include equipment modeling in the labs where ever possible.
- Mrs. Swapna Priya and Dr L Krishnanand suggested to introduce the usage of excel sheets for calculations in the laboratories.
- All the experts opined to change the title of simulation lab to Computer aided engineering lab.
- Dr L Krishnanand suggested to change the title of digital manufacturing to additive manufacturing .
- Dr L Krishnanand suggested to include theory of constraints topic in Production planning and control.
- Dr L Krishnanand suggested to include design of experiments , anova , central limit theorem etc in Numerical and statistical methods course. Also suggested to increase the component of statistical topics in the syllabus.
- Dr. G Venkata Ratnam suggested to give more flexibility to students in professional electives and open electives.

- Dr. Meera Saheb suggested to identify MOOC courses just before starting of III-II/IV-I semester and get them approved by internal BOS.
- Dr. Meera Saheb suggested to see that deviation from university curriculum and APSCHE is minimum .
- Dr. Meera Saheb opined that as per APSCHE there should be skill oriented courses of 10 credits . So, suggested to increase the skill oriented courses.
- All the experts suggested to review the syllabi again and see that there is no repetition of topics/concepts in syllabi of courses
- All the experts opined to give standard text books/reference books with proper citations.



**Dr. A. Jawahar Babu**  
BoS Chairman  
Dept. of Mech. Engg.



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Accredited by NAAC with 'A' Grade

Phone Nos. 08674-273737, 273888, Mobile: +91 9848770121 Fax No. 08674-273857

E-mail: principal@gecgudlavalleru.ac.in, office@gecgudlavalleru.ac.in, Web: www.gecgudlavalleru.ac.in

**Dr. M.R.CH.SASTRY, M.Tech. Ph.D,**  
*Professor & HoD,*  
Department of Mechanical Engineering

29<sup>th</sup> Feb., 2020.

To

**Mr. I.Kiran Prasad,**  
Chief Human Resources Officer,  
Sesa Care Private Limited,  
Rangareddy, Andhra Pradesh.

Sir,

Sub: - Invitation for Board of Studies Meeting – Request - Reg.

xxx xxx xxx

Greetings!

Thank you very much for accepting our invitation to act as subject expert for Board of Studies (BoS) Member of Mechanical Engineering Department.

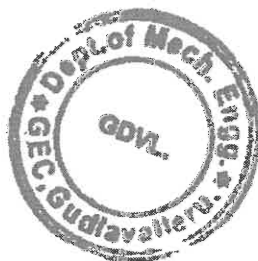
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Thanking you Sir,

Yours Sincerely,

*M.R.Ch.Sastry*

**Dr. M.R.CH.SASTRY**  
Chairman, BoS



**Head of Mechanical Engineering**  
Gudlavalleru Engineering College  
Seshadri Rao Knowledge Village  
GUDLAVALLERU - 521 356



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**Dr. M.R.CH.SASTRY, M.Tech. Ph.D,**  
*Professor & HoD,*  
Department of Mechanical Engineering

29<sup>th</sup> Feb., 2020.

To

**Dr. A. Venu Gopal,**  
Professor of Mechanical Engineering,  
National Institute of Technology,  
WARANGAL - 506004.

Sir,

Sub: - Invitation for Board of Studies Meeting – Request - Reg.

xxx xxx xxx

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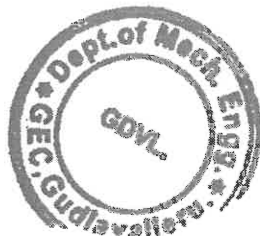
Thanking you Sir,

Yours Sincerely,

*M R Ch Sastri*

**Dr. M.R.CH.SASTRY**  
Chairman, BoS

Head of Mechanical Engineering  
Gudlavalleru Engineering College,  
Seshadri Rao Knowledge Village  
GUDLAVALLERU - 521 356





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**Dr. M.R.CH.SASTRY, M.Tech. Ph.D.,**  
Professor & HoD,  
Department of Mechanical Engineering

29<sup>th</sup> Feb., 2020.

To

**Dr. A.V.S.S.K.S. Gupta,**  
Professor of Mechanical Engineering,  
Jawaharlal Nehru Technological University Hyderabad,  
HYDERABAD.

Sir,

Sub: - Invitation for Board of Studies Meeting – Request - Reg.  
xxx xxx xxx

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**Dr. M.R.CH.SASTRY**  
Chairman, BoS



**Head of Mechanical Engineering**  
Gudlavalleru Engineering College,  
Seshadri Rao Knowledge Village  
GUDLAVALLERU - 521 356



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29<sup>th</sup> Feb., 2020.

**Dr. M.R.CH.SASTRY, M.Tech. Ph.D,**  
*Professor & HoD,*  
Department of Mechanical Engineering

To

**Dr. R. Krishna Murthy,**  
Scientist G,  
D.R.D.L, Kanchanbag  
HYDERABAD.

Sir,

Sub: - Invitation for Board of Studies Meeting – Request - Reg.

xxx xxx xxx

Greetings!

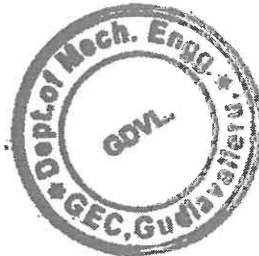
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Yours Sincerely,

*M. R. Ch. Sastry*  
**Dr. M.R.CH.SASTRY**  
Chairman, BoS



**Head of Mechanical Engineering**  
**Gudlavalleru Engineering College**  
Seshadri Rao Knowledge Village  
GUDLAVALLERU - 521 356



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**Dr. M.R.CH.SASTRY, M.Tech. Ph.D,**  
Professor & HoD,  
Department of Mechanical Engineering

29<sup>th</sup> Feb., 2020.

To

**Dr. N. Mohan Rao,**  
Professor of Mechanical Engineering,  
Jawaharlal Nehru Technological University Kakinada,  
KAKINADA.

Sir,

Sub: - Invitation for Board of Studies Meeting – Request - Reg.

xxx xxx xxx

Greetings!

Thank you very much for accepting our invitation to act as subject expert for Board of Studies (BoS) Member of Mechanical Engineering Department.

It is proposed to conduct Board of Studies (BoS) meeting on 07-03-2020(Saturday) at 10.00 A.M. in Mechanical Engineering Department Seminar Hall to finalize the course structure and syllabi for autonomous status of UG & PG Courses. In this regard, I invite you to attend the meeting and give your valuable suggestions in formulating the course structure & syllabi of our courses.

Thanking you Sir,

Yours Sincerely,

  
**Dr. M.R.CH.SASTRY**  
Chairman, BoS



**Head of Mechanical Engineering**  
**Gudlavalleru Engineering College**  
**Seshadri Rao Knowledge Village**  
**GUDLAVALLERU - 521 356**

**Gudlalleru Engineering College**  
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**Department of Mechanical Engineering**

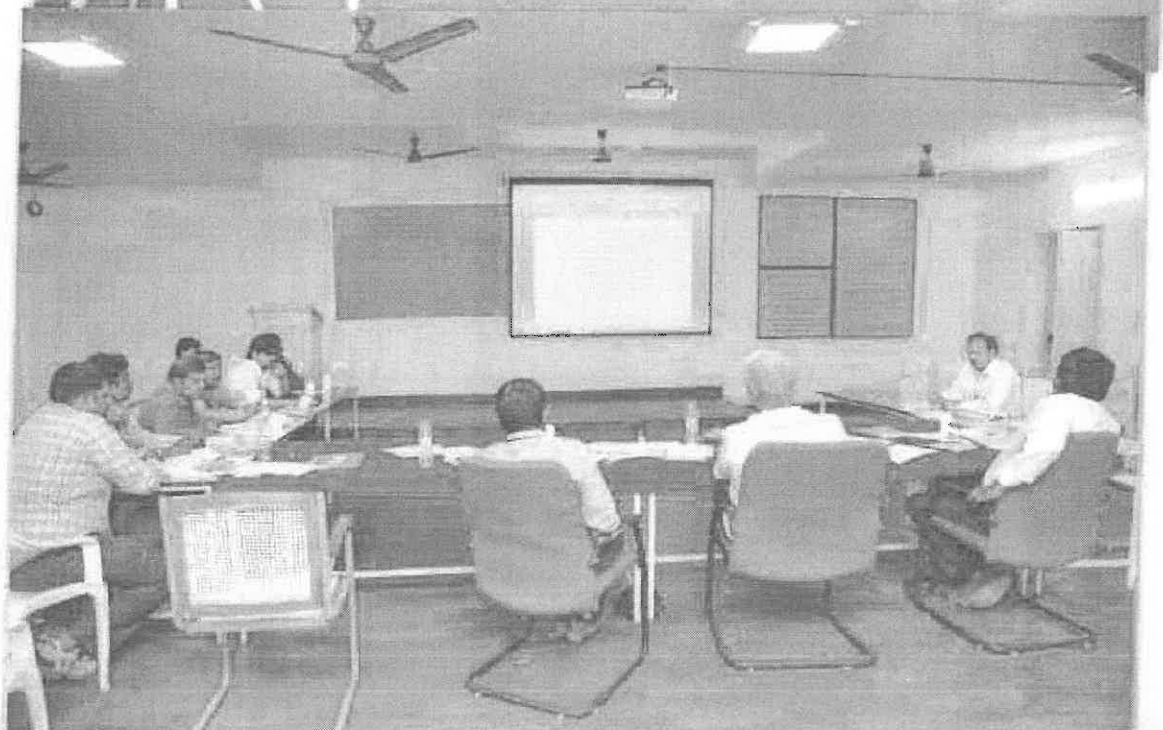
Date: 29-02-2020

**CIRCULAR**

As a part of curriculum revision, there will be Board of Studies meeting on 07-03-2020(Saturday) at 10.00 A.M. in Mechanical Engineering Department Seminar Hall to finalize the course structure and syllabi for autonomous status of UG & PG Courses. In this regard, I invite you to attend the meeting and give your valuable suggestions in formulating the course structure & syllabi of our courses for R20 regulations.

*HME*  
HME



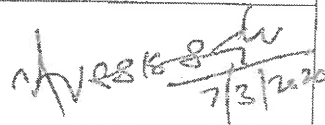
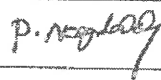





Dr. PNR	Dr. PRB	Dr. AJB	Dr. BKK	Dr. KSS	Dr. MRCHS	KCHKK	DKP
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Dr. JARB	Dr. GPR	BVSR	PTM	TNS	TSK	LR	JKP
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PNSS	TNR	SS	DT	GKK	VMS	SBKR	NPD
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AR	KR	GVJ	KKK	MUT	GRK	PS	DMR
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**Gudlavalleru Engineering College**  
(An Autonomous Institute with Permanent Affiliation to JNTUK, Kakinada)  
Seshadri Rao Knowledge Village, GUDLAVALLERU  
**Department of Mechanical Engineering**

Board of Studies meeting held at 10.00 AM on 07-03-2020 in ME A/c Seminar Hall.

Members Present:

S.No.	Name & Designation	Signature
1	Dr. M.R.Ch. Sastry Prof. & HoD, Chairman-BoS	
2	Dr. N. Mohan Rao Professor of Mechanical Engineering Jawaharlal Nehru Technological University Kakinada KAKINADA	—
3	Dr. A. Venu Gopal Professor of Mechanical Engineering, National Institute of Technology WARANGAL	 7/3/2020
4	Dr. A.V.S.S.K.S. Gupta Professor of Mechanical Engineering Jawaharlal Nehru Technological University Hyderabad HYDERABAD	 7/3/2020
5	Dr. R. Krishna Murthy Scientist G, D.R.D.L, Kanchanbag HYDERABAD	—
6	Mr. I. Kiran Prasad Chief Human Resources Officer Sesa Care Private Limited RANGAREDDY	—
7	Dr. P. Nageswara Reddy Prof. & Director (AS&A)	
8	Dr. P. Ravindra Babu Prof. & Principal	CL
9	Dr. A. Jawahar Babu Prof. & Mentor (AS&A)	
10	Dr. B. Karuna Kumar Prof. & Vice Principal-Admn.	
11	Dr. K. Syam Sundar Prof. & CoE	OD
12	Sri K.Ch. Kishor Kumar Associate Professor	
13	Sri D. Kiran Prasad Associate Professor	
14	Dr. J.A. Ranga Babu Associate Professor	CL
15	Dr. G. Prabhakara Rao Associate Professor	 07/3/2020

S.No.	Name & Designation	Signature
16	Sri B.V.S. Raghu Vamsi Sr.Gr. Asst. Prof	CL
17	Sri P. Tejomurthi Assistant Professor	Tmt
18	Dr. T. Narasimha Suri Assistant Professor	Tmt
19	Sri T. Siva Krishna Assistant Professor	Alwaly
20	Sri L. Ramesh Assistant Professor	Ramesh
21	Sri J. Phani Kumar Assistant Professor	Phani
22	Sri P.N.S. Srinivas Assistant Professor	P.N.S. Srinivas
23	Sri T. Nagaraju Assistant Professor	T. Nagaraju
24	Sri S. Srikanth Assistant Professor	S. Srikanth
25	Sri D. Tarun Assistant Professor	Tarun
26	Sri G. Karuna Kumar Assistant Professor	CL
27	Sri V. Mohan Sreekanth Assistant Professor	VMB
28	Sri S.B. Karimulla Reddy Assistant Professor	S.B. Karimulla Reddy
29	Sri N. Premdasu Assistant Professor	Premdasu
30	Sri A. Rajesh Assistant Professor	Rajesh
31	Sri K. Ramakanth Assistant Professor	Ramakanth
32	Sri G.V. Jagadeesh Assistant Professor	G.V. Jagadeesh
33	Sri K. Krishna Kishore Assistant Professor	K. Krishna Kishore
34	Sri M. Ujwal Teja Assistant Professor	M. Ujwal Teja
35	Sri G. Ratna Kumar Assistant Professor	G. Ratna Kumar
36	Sri P. Satyanarayana Assistant Professor	P. Satyanarayana
37	Sri D. Mojeswara Rao Assistant Professor	D. Mojeswara Rao
38	Sri P. Yugandhar Babu Assistant Professor	P. Yugandhar Babu

## Department of Mechanical Engineering

### Minutes of Board of Studies Meeting held on 07.03.2020


#### UG course structure :

- Dr. A.V.S.S.K.S. Gupta and Dr. A. Venu Gopal suggested that “environmental studies” and “Universal human values 2 and understanding harmony” may be shifted to II Year to enable Lateral entry students to study it.
- Dr. A.V.S.S.K.S. Gupta suggested that for I Year students credits may be restricted to 36 credits.
- Dr. A.V.S.S.K.S. Gupta suggested that Engineering Exploration Project is to be offered in I Year.
- Dr. A. Venu Gopal suggested that Engineering Graphics and Computer Aided Engineering Drawing can be offered as single integrated course with 4 credits.
- Dr. A. Venu Gopal suggested that MOOCS duration should be 8 Weeks or 12 Weeks.
- Dr. A.V.S.S.K.S. Gupta suggested that Elements of Electrical and Electronics Engineering course along with Lab may be shifted to I Year
- Dr. A.V.S.S.K.S. Gupta suggested to change the title of MATLAB to Numerical and Statistical Methods Lab.
- Dr. A.V.S.S.K.S. Gupta suggested to rename Metallurgy to Materials Engineering.
- Dr. A. Venu Gopal suggested that A course on Mechatronics along with lab may be introduced
- Dr. A. Venu Gopal suggested that Manufacturing Processes – I, Manufacturing Processes – II and Metrology & Instrumentation courses may be restructure as Manufacturing Science, machine Tools & Metrology, Machining Science and Measurements & Mechatronics.
- Dr. A.V.S.S.K.S. Gupta suggested that Design and Optimization of Thermal Systems and Finite Element Methods may be offered as electives.
- Dr. A. Venu Gopal suggested that Theory of Machines course may be offered as two courses – Kinematics of Machines and Dynamics of Machines.

- Applied Thermodynamics course may be offered as two courses: Applied Thermodynamics and Steam and Gas Turbines.
- Dr. A.V.S.S.K.S. Gupta suggested that Industrial Engineering course title may be changed to Industrial Management
- Dr. A. Venu Gopal suggested that the syllabus of Digital Manufacturing, Engineering Graphics, Automobile Engineering are to be Modified
- Dr. A.V.S.S.K.S. Gupta suggested that a course on electrical vehicles may be offered as professional elective.

**PG course structure :**

- Dr. A.V.S.S.K.S. Gupta and Dr. A. Venu Gopal suggested that Advance Material Testing Lab and Machine Dynamics Lab may offered in I semester.
- Dr. A.V.S.S.K.S. Gupta and Dr. A. Venu Gopal suggested that Modeling and simulation Lab and Computational Methods Lab may offered in II semester.
- Dr. A.V.S.S.K.S. Gupta and Dr. A. Venu Gopal suggested that English for Research Paper Writing and constitution of India may be offered as audit courses.

  
**Dr M.R.Ch.Sastry**  
 BoS Chairman



# SESHADRI RAO GUDLAVALLERU ENGINEERING COLLEGE

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E-mail: principal@gecgudlavalleru.ac.in, office@gecgudlavalleru.ac.in, Web: www.gecgudlavalleru.ac.in

**Dr. A. Jawahar Babu, M.E., Ph.D.**  
Professor & Head,  
Department of Mechanical Engineering.

11<sup>th</sup> April, 2022.

To

**Dr. G. Venkatarathnam,**  
Professor of Mechanical Engineering Department,  
Indian Institute of Technology Madras,  
Chennai, Tamilnadu.

Dear Sir,

**Sub: - Invitation for Virtual Board of Studies Meeting - R20 Regulations - Reg.**

\*\*\* \*\*


Greetings!

It is proposed to conduct Virtual Board of Studies meeting of Mechanical Engineering Department on 23<sup>rd</sup> April, 2022 (Saturday) at 10.00 AM in Microsoft Teams platform. In this regard, we invite you to join the meeting and give valuable suggestions in formulating the course structure and syllabi for UG curriculum.

**Agenda:**

- (i) To discuss and finalize the course structure and syllabi for III and IV B.Tech of R20 Regulations.
- (ii) Any other matter with the permission of the chair.

Yours sincerely,

  
**Dr. A. Jawahar Babu**  
BoS Chairman  
Dept. of Mech. Engg.



# SESHADRI RAO GUDLAVALLERU ENGINEERING COLLEGE

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E-mail: principal@gecgudlavalleru.ac.in, office@gecgudlavalleru.ac.in, Web: www.gecgudlavalleru.ac.in

**Dr. A. Jawahar Babu, M.E., Ph.D.**  
Professor & Head,  
Department of Mechanical Engineering.

11<sup>th</sup> April, 2022.

To

Sri PVS Krishna Mohan Sharma,  
Senior Manager, Mahindra & Mahindra Ltd  
Chengalpattu, Tamilnadu.

Dear Sir,

**Sub: - Invitation for Virtual Board of Studies Meeting - R20 Regulations - Reg.**

\*\*\* \*\*


Greetings!

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**Agenda:**

- (i) To discuss and finalize the course structure and syllabi for III and IV B.Tech of R20 Regulations.
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**Dr. A. Jawahar Babu**  
BoS Chairman  
Dept. of Mech. Engg.

# **SESHADRI RAO GUDLAVALLERU ENGINEERING COLLEGE**

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Seshadri Rao Knowledge Village, Gudlavalleru – 521 356.

## **Department of Electronics and Communication Engineering**

### **Board of Studies (BoS) Meeting**

**2<sup>nd</sup> May 2022**

The Board of Studies (BoS) Meeting of Department of ECE is held on 30<sup>th</sup> April 2022 with the following agenda.

#### **Agenda:**

1. To discuss and finalize the process for re-defining the Vision and Mission of the Department, PEOs, PSOs of the program.
2. To discuss and finalize the course structure and syllabus of 3<sup>rd</sup> Year II Semester, 4<sup>th</sup> Year B.Tech ECE Programme.
3. To discuss and finalize the course structure and syllabus of 3<sup>rd</sup> Year II Semester, 4<sup>th</sup> Year B.Tech IoT Programme.
4. To review attainments of Course Outcomes and Programme Outcomes.
5. Any other matter with the permission of the chair.

#### **Meeting Minutes:**

1. To discuss and finalize the process for re-defining the Vision and Mission of the Department, PEOs, PSOs of the program.
  - The Vision and Mission of the Department, PEOs, PSOs of B.Tech ECE are reviewed and all the members expressed their satisfaction and hence it is resolved not to change at present.
2. To discuss and finalize the course structure and syllabus of 3<sup>rd</sup> Year II Semester, 4<sup>th</sup> Year B.Tech ECE Programme.
  - Include the courses 'Industrial Internet of Things' and 'VLSI Signal Processing' into the curriculum.
  - The syllabus of courses, 'Linear Integrated Circuits Applications Lab', 'Microcontrollers and Embedded Systems', 'Digital Image Processing', 'Mixed Signal IC Design' and 'System on Chip Design', is modified.
  - 'IoT Lab' and 'Digital System Design using Verilog' are the skill oriented courses to be included into the curriculum.
3. To discuss and finalize the course structure and syllabus of 3<sup>rd</sup> Year II Semester, 4<sup>th</sup> Year B.Tech IoT Programme.
  - Suggested to change "Wireless Sensor Networks for IoT" course from Professional Elective to Core and the course "Digital System Design using Verilog" from Professional Core to Elective

- The title of "Optimization techniques" course can be changed to "Soft Computing techniques".
- The skill oriented course "Embedded Systems lab" can be modified as "IoT based Embedded Systems Lab.

4. To review attainments of Course Outcomes and Programme Outcomes.

The board of studies members has reviewed the following CO and PO attainments.

2017-2021 Batch PO Attainment														
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
PO Direct Assessment	2.69	2.67	2.67	2.73	2.95	2.5	2.88	2.86	2.87	2.8	2.85	2.74	2.67	2.71
PO Indirect Assessment	2.7	2.55	2.58	2.49	2.1	2.35	2.43	2.36	2.4	2.11	2.09	2.11	2.58	2.47
Final PO Attainment	2.692	2.646	2.652	2.682	2.78	2.47	2.79	2.76	2.776	2.662	2.698	2.614	2.652	2.662

**Actions suggested by Program Committee:**

From the PO attainment table all the POs are attained but to sustain these POs and COs PC suggested the following actions:

- Strengthening of attainment of Laboratory courses can be achieved by conducting the experiments using different tools and interpret all the data.
- The participation in extracurricular and co-curricular activities is made mandatory and in which students will be encouraged to participate in various activities to enhance their skills.
- Leadership qualities can be further improved by increasing the student participation in various events like sports, games, cultural events etc.
- In addition to existing integrated learning practice courses, participation in self-learning courses will be further improved.
- The faculties are instructed to motivate the students to practice beyond the academic hours in laboratory with the help of software tools.

5. Any other matter with the permission of the chair.



(Dr. Y. Ramakrishna)

BoS Chairman & HoD, ECE

**Dr. Y. RAMAKRISHNA**

Professor & Head

Electronics & Communication Engg.

Seshadri Rao

Gudlavalleru Engineering College

Seshadri Rao Knowledge Village

Gudlavalleru - 521 356, Krishna District, AP

# **GUDLAVALLERU ENGINEERING COLLEGE**

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

**SeshadriRao Knowledge Village, Gudlavalleru – 521 356.**

**Department of Electronics and Communication Engineering**

## **Board of Studies (BoS) Meeting**

**26<sup>th</sup> May 2021**

The Board of Studies (BoS) Meeting of Department of ECE is held on 24<sup>th</sup> May 2021 with the following agenda.

### **Agenda:**

1. To discuss and finalize the course structure and syllabus of 2<sup>nd</sup> Year, 3<sup>rd</sup> Year 1<sup>st</sup> Semester B.Tech ECE Programme.
2. To discuss and finalize the course structure and syllabus of 2<sup>nd</sup> Year, 3<sup>rd</sup> Year 1<sup>st</sup> Semester B.Tech IoT Programme.
3. To discuss and finalize the Honours and Minors degree of B.Tech ECE Programme.
4. Any other matter with the permission of the chair.

### **Meeting Minutes:**

1. The Board of Studies Members has suggested the following points in the course structure and syllabus of 2<sup>nd</sup> Year, 3<sup>rd</sup> Year 1<sup>st</sup> Semester B.Tech ECE Programme.
  - The Title of 'Electronic Devices' can be changed to 'Semiconductor Devices and Circuits'.
  - 'Computer Organization' course have to be added in the course structure.
  - Include the courses 'Introduction to Embedded Systems', 'Introduction to Signal Processing', 'Assistive Technologies' and 'Introduction to Bio-Medical Engineering' as open electives.
  - The syllabus of the courses, 'VLSI Design', 'Digital Circuit Design', 'Numerical Methods & Complex Analysis', 'VLSI Design Lab', 'CAD for VLSI' and 'Biomedical Engineering', is modified.
  - The Professional electives I to V have to be placed in the order of specializations like VLSI Design, Embedded Systems, Signal Processing, and Communications.
  - GATE syllabus has to be considered while preparing the courses and syllabi.
2. The Board of Studies Members has suggested the following points in the course structure and syllabus of 2<sup>nd</sup> Year, 3<sup>rd</sup> Year 1<sup>st</sup> Semester B.Tech IoT Programme.
  - 'Transducers and Signal Conditioning' in III Year I Semester and 'Principles of Sensors and Data Acquisition' in II Year II Semester have to be interchanged.
  - 'Analog and Digital Circuits Laboratory' has to be divided into two separate labs i.e. 'Analog Circuits Laboratory' and 'Digital Circuits Laboratory'.
  - The Title of 'Computer Networks' can be changed to 'Data Communication and Computer Networks'.
  - 'Information Theory and Coding' can be made as professional elective course.

- The Title of 'Statistics and Probability' can be changed to 'Probability and Statistics'.

3. The Board of Studies Members has suggested the following points in the Honours and Minor degree of B.Tech ECE Programme.

- The courses specified in regular B.Tech ECE Programme should be included as Minor Degree Courses.
- The courses in the M. Tech Programme are to be offered as Honors degree courses.
- In the Honours Degree of B.Tech ECE Programme, CMOS VLSI Design and VLSI System Design course syllabus should be different from regular B.Tech courses.

4. Any other matter with the permission of the chair.

- The Vision and Mission of the Department, PEOs, PSOs of B.Tech ECE and IoT Programme are reviewed and all the members expressed their satisfaction and hence it is resolved not to change at present.



(Dr. Y. Ramakrishna)

BoS Chairman & HoD, ECE

**Dr. Y. RAMAKRISHNA**

Professor & Head

Electronics & Communication Engg.

Seshadri Rao

Gudlavalleru Engineering College

Seshadri Rao Knowledge Village

Gudlavalleru - 521 356, Krishna District, A.P.

# **GUDLAVALLERU ENGINEERING COLLEGE**

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

Seshadri Rao Knowledge Village, Gudlavalleru – 521 356.

## **Department of Electronics and Communication Engineering**

### **Board of Studies (BoS) Meeting**

26<sup>th</sup> August 2020

The Board of Studies (BoS) Meeting of Department of ECE is held on 24<sup>th</sup> August 2020 with the following agenda.


#### **Agenda:**

1. To discuss the course structure and syllabus of 1<sup>st</sup> Year B.Tech IoT Programme.
2. Any other matter with the permission of the chair.

#### **Meeting Minutes:**

The Board of Studies Members have suggested the following points

- Introduction to Internet of things credits should be changed from 2 to 3, since it is a core subject.
- Topics related to sensors should be included in Applied physics course syllabus, which must be prepared by keeping in view of IoT requirements.
- Two credits are sufficient for Basic Electrical Engineering Course.
- In the syllabus of Basic Electrical Engineering, three units must be Network analysis and remaining two units should be Machines.
- The Title of "Problem Solving through C Programming" can be changed as "Problem Solving using C" and can be made as an integrated course.
- Introduction to Internet of things should be placed in 2<sup>nd</sup> semester and Basic Electrical Engineering must be placed in 1<sup>st</sup> Semester.
- Basic Electrical Engineering Lab should be placed in 2<sup>nd</sup> semester.
- Change the title of "Computer Aided Design & Drafting" to "Computer Aided Engineering Drawing".
- Instead of Engineering Workshop, the lab should be named as Electronic Workshop.
- Two basic experiments related to Internet of things must be included in electronic workshop.

  
(Dr. VVKDV Prasad)

BoS Chairman & HoD, ECE

Dept. of Elect. & Commn. Engg.  
Gudlavalleru Engineering College  
Seshadri Rao Knowledge Village  
GUDLAVALLERU-521 356

# **GUDLAVALLERU ENGINEERING COLLEGE**

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

Seshadri Rao Knowledge Village, Gudlavalleru - 521 356.

## **Department of Electronics and Communication Engineering**

### **Board of Studies (BoS) Meeting**

3<sup>rd</sup> March 2020

The Board of Studies (BoS) Meeting of Department of ECE is held on 2<sup>nd</sup> March 2020 with the following agenda.

#### **Agenda:**

1. To discuss the course structure of B.Tech and M.Tech R20 (Autonomous) Curriculum.
2. To discuss the syllabus of all the courses in B.Tech and M.Tech R20 (Autonomous) Curriculum.
3. Any other matter with the permission of the chair.

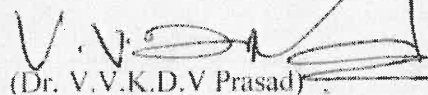
#### **Meeting Minutes:**

The Board of Studies Members has suggested the following points based on UG curriculum:

- Add 'Linear Electrical Networks' course in the 1<sup>st</sup> year curriculum.
- Include 'Python programming' as an integrated course.
- Add more numerical examples based on Electronics and communication, in mathematics subjects and include multi integrals unit in 'Linear Algebra and Calculus' course.
- Include 'Universal Human Values' and 'Constitution of India' courses as suggested by AICTE.
- Keep 1 credit for 1 lecture/tutorial hour (theory course) and 2 practical hours (lab course).
- Design the curriculum such that related theory and practical subjects are in the same semester.
- Introduce 'Electronics Workshop' course in 1<sup>st</sup> Year 1<sup>st</sup> semester.
- Better to avoid EMI/EMC course.
- Complete MOOCs courses prior to IV Year I semester.
- Encourage the students to perform Mini project based on societal problems.
- Better to avoid smart sensors subject, as the topics may cover in Sensors and Instrumentation subject.
- Change the title of course 'Fundamentals of Communication' to 'Fundamentals of Communication Systems'.
- Include Training and Placement courses 'Logic Building and Algorithmic Programming', 'Programming for Corporate', 'Competitive Coding', 'Linguistic Competency Building' in the curriculum.

The Board of Studies Members has suggested the following points based on PG curriculum:

- Follow the curriculum as per AICTE model PG curriculum and JNTUK, Kakinada M.Tech VLSI Design and Embedded Systems curriculum.

  
(Dr. V.V.K.D.V. Prasad)

BoS Chairman & HoD, ECE

**V.V.K.D.V. Prasad**

M.Tech, Ph.D, MISTE, FIETE  
Professor

Dep. of Electronics & Communication Engg.  
Gudlavalleru Engineering College  
Seshadri Rao Knowledge Village  
Gudlavalleru - 521 356  
Krishna Dt. A.P. India

# **GUDLAVALLERU ENGINEERING COLLEGE**

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Seshadri Rao Knowledge Village, Gudlavalleru – 521 356.

## **Department of Electronics and Communication Engineering**

### **Board of Studies (BoS) Meeting**

10<sup>th</sup> May 2019

The Board of Studies (BoS) Meeting of Electronics and Communication Engineering is held on 9<sup>th</sup> May 2019 with the following agenda.


#### **Agenda:**

1. To discuss and finalize the course structure and syllabi of proposed M.Tech Programme in VLSI Design and Embedded Systems approved by AICTE.
2. Any other matter with the permission of the chair.

#### **Meeting Minutes:**

The Board of Studies Members have given the following suggestions:

- Testing & Testability of VLSI circuits has to be replaced Instead of Memory Technologies course.
- Linear and Non-Linear Optimization Techniques course should be included with new algorithms like Particle Swarm Optimization (PSO).
- In Advanced Digital Design course, New Xilinx FPGA's, FSM, SM charts realization and implementation, state reduction, hazards and cycles have to be added.
- Device drivers should be included in Embedded System Design course.
- Unit V should be memory technologies in VLSI System Design course
- Latest TI, ARM, DSP Processors should be added in Embedded Processors course.
- For VLSI Design Lab course, Layout, schematic, up to GDS-II file generation of combinational and sequential circuits process has to be added.
- Mathematical problems in EM, bibliography, Scopus Index, impact factor, SNMP, Metrics of Journal, Professional ethics can be included in Research Methodologies course.
- In Hardware and Software Co-design course, Unit V should include Cosyma and Lycos systems.
- The topics like "Installing Python", "What is an IoT Device" should be replaced with "Introduction to IoT Device" in Internet of Things course.
- The testing concepts have to be checked with the topics of Advanced Digital Design and ASIC system Design courses.
- In Advanced Computer Networks course, ZIGBEE has to be included.
- Some Topics in VLSI interconnects are already covered in B.Tech, has to be changed.
- The Course title of "Selected topics in VLSI Design" has to be changed to Advanced VLSI Design.

  
(BoS Chairman)  
Dr. V.V.K.D.V. Prasanna  
Dept. of ECE  
Professor & Head

Dept. of Elect. & Commn. Engg.  
Gudlavalleru Engineering College  
Seshadri Rao Knowledge Village

# **GUDLAVALLERU ENGINEERING COLLEGE**

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

SESHADRI RAO KNOWLEDGE VILLAGE: GUDLAVALLERU

## **DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

6<sup>th</sup> May 2018

### **BoS Meeting Minutes**

The Board of Studies (BoS) meeting of Electronics and Communication Engineering is held on 5<sup>th</sup> May 2018 with following agenda.

#### **AGENDA:**

- To discuss and finalize the course structure of II, III and IV B.Tech of R17 (Autonomous) Curriculum.
- To finalize the syllabi of all the courses in II, III and IV B.Tech of R17 (Autonomous) Curriculum.
- Any other matter with the permission of the chair.

#### **MINUTES OF MEETING:**

1. Course structure of II, III and IV B.Tech of R17 (Autonomous) Curriculum is finalized.
2. Syllabi of all the courses in II, III and IV B.Tech of R17 (Autonomous) Curriculum is finalized.

#### **SUGGESTIONS:**

Dr.Ch.Srinivasa Rao, Professor & HoD, Dept. of ECE, UCEV, Vizianagaram,  
University Nominee of BoS has given following suggestions:

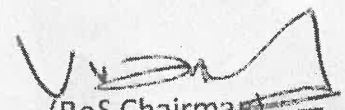
- To include project-based course in curriculum, the course "Microprocessors, Microcontrollers and Applications" is selected as project-based course.
- In IV B.Tech I semester, the course "Multi Rate Signal Processing" should be included into the curriculum.
- The courses "Probability Theory and Stochastic Process", "Electronic Devices", "Economics and Project Management", "Elements of Electrical Engineering", "Electronic Devices Lab", "Analog Circuits", "Analog Communications", "Fundamentals of Communications", "Digital Circuit Design", "Fundamentals of Data Structures", "Analog Circuits Lab", "Digital Circuit Design Lab", "Electronic Switching Systems", "Introduction to Python Programming", and "Database Management Systems" should be included into the curriculum.

**Dr.G.Mallikharjuna Rao, Scientist-F, RCI, DRDO, Hyderabad, Member of BoS (Industry/R&D Organization Expert) has given following suggestions:**

- To combine the courses "Analog Communications Lab and "Digital Communications Lab" into a single course titled "Analog and Digital Communications Lab".
- To convert the "RADAR Engineering" course of IV B.tech I semester into professional elective course.
- The courses "Linear Integrated Circuits Applications", "Digital Communications", "Antennas and Wave Propagation", "Principles of VLSI Design", "CAD for VLSI", "Computer Organization", "Computer and Communication Networks", "Biomedical Engineering", "Introduction To MEMS", "Linear Integrated Circuits Applications Lab", "Microprocessors, Microcontrollers and Applications", "Analog IC Design", "Nano Electronics", "Smart Antennas", "Coding Theory", "Microprocessor and Microcontroller Interfacing Lab", "VLSI Lab", "Data Warehousing and Data Mining", and "Mechatronics" should be included into the curriculum.

**Dr.T.Srinivas, Associate Professor, Department of ECE, IISc Bangalore, and Member of BoS (Academic Expert) has given following suggestions:**

- To include subjects related to instrumentation in the curriculum.
- The course titled "Communication Engineering" under open elective category is should be renamed as " Fundamentals of Communications".
- The courses "CMOS Digital IC Design", "Embedded System Design", "Mixed Signal IC Design", "System on Chip Design", "Digital Control Systems", "Artificial Intelligence", "Low Power VLSI Circuits", "Real Time Operating Systems", "Adaptive Signal Processing", "ASIC Design", "Embedded C", "Multi Rate Signal Processing", and "Transform Techniques" should be included into the curriculum.

  
(BoS Chairman)

Dept. of ECE

**V.V.K.D.V. Prasanna**

M.Tech, Ph.D, MISTE, FIETE

Professor

Dep. of Electronics & Communication Engg.

Gudlavalluru Engineering College

Chadri Rao Knowledge Village

Gudlavalluru - 521 355

Phone : 9849 15 15, 9849 15 16

# **GUDLAVALLERU ENGINEERING COLLEGE**

**(An Autonomous Institute with Permanent Affiliation to JNTUK, Kakinada)  
SESHADRI RAO KNOWLEDGE VILLAGE::GUDLAVALLERU**

## **DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

1st April 2017

### **Minutes of BoS Meeting**

The Board of Studies (BoS) meeting of Electronics and Communication Engineering is held on 31<sup>st</sup> march 2017 with following agenda.

#### **AGENDA**

1. To discuss and finalize the course structures of B.Tech and M.Tech (ES) Programmes of R17 (Autonomous) Regulations.
2. To discuss and finalize the course structures of proposed new M.Tech Programme-Internet of Things.
3. To finalize the broad contents of all the courses in B.Tech and M.Tech (ES) Programmes and proposed new M.Tech Programme-Internet of Things.
4. To revise Program Specific Outcomes (PSOs).
5. Any other matter with the permission of the chair.

#### **Minutes of Meeting**

1. Course Structure of B.Tech and M.Tech (ES) Programmes of R17 (Autonomous) Regulations is finalized.
2. Broad contents of all the courses in B.Tech and M.Tech (ES) Programmes are approved with following suggestions.
3. The following Program Specific Outcomes (PSOs) are revised and approved by Board of Studies (BoS).

PSO1: Designing electronics and communication systems in the domains of VLSI, embedded systems, signal processing and RF communications, and applying modern tools.

PSO2: Applying the contextual knowledge of Electronics and Communication Engineering to design, develop, analyze and test systems containing hardware and software components taking into societal, environmental, health, safety, legal, cultural, ethical and economical considerations.

4. Under any other matter,
  - BoS discussed and approved Substitute Subjects for Re-admitted candidates (R14 to R17) at different Semesters.
  - Vision, Mission and PEOs of the department are discussed and reviewed.

### **Suggestions:**

**Dr.Ch.Srinivasa Rao, Prof. & HoD, Dept. of ECE, UCEV, Vizianagaram- University Nominee of BoS has given following suggestions:**

- Suggested to send faculty and students to industry in the 3<sup>rd</sup> year for two or three weeks training.
- Suggested to take the feedback on the R17 curriculum from the outgoing students (4/2).
- Asked to provide industrial visit for M.Tech. students in 3<sup>rd</sup> semester.
- Suggested to review the title of proposed new M.Tech-IoT specialization since stipend will not be provided for the students of M.Tech specialization which is not in AICTE list, which makes GATE students not to opt M.Tech-IoT.

**Dr.T.Srinivas, Associate Professor, Dept. of ECE, IISc, Bangalore - Member (Academician) of BoS has given following suggestions:**

- Suggested to consider the title of the subjects a par with the placement terminology.
- Suggested to include the courses that improve the analytical abilities of the students.
- Orient the courses not only from students part but also from lecturers part.
- Suggested to consider the inclusion of Computational Intelligence, Microwave and Radio Frequency and photonics in the UG level subjects.
- Suggested some of the subjects to be thought under M.Tech.(IoT)
  - ✓ Security
  - ✓ Standards
  - ✓ RF
  - ✓ Specific applications
  - ✓ Power harvesting / optimization
- Asked the faculty to get actively involved in IEEE IoT working group discussions.
- Suggested to have interactive sessions among the disciplines while designing the course.

**Dr.P.Srihari Rao, Professor, Dept. of ECE, NIT, Warangal - Member (Academician) of BoS has given following suggestions:**

- Suggested to offer any new subject as an elective before elevating it to core.
- New technologies may be included as last chapter in the syllabus.
- Suggested to consider the renaming of proposed M.Tech. (IoT) specialization.
- Suggested to give more weightage to the Hardware part.

**Er.K.Jagadeesh Kumar, ASIC Verification Engineer, SiCon Design Technology Pvt. Ltd.,Bangalore - Member (Alumni) of BoS requested to include ASIC design in FPGA lab.**

**Substitute Subjects for Re-admitted candidates (R14 to R17) at different Semesters approved by BoS**

**Candidates admitted at I B.Tech II Semester:**

S. No.	Theory/Lab course with similar title and syllabus studied under R14 Autonomous regulations	Substitute Theory/Lab Course recommended with reference to R17 autonomous regulations
1	Engineering Chemistry	Solid State Physics
2	Engineering Chemistry Lab	Solid State Physics Lab
3	Engineering Drawing	Engineer and Society

**Candidates admitted at II B.Tech I Semester:**

S. No.	Theory/Lab course with similar title and syllabus studied under R14 Autonomous regulations	Substitute Theory/Lab Course recommended with reference to R17 autonomous regulations
1	Nil	Nil

**Candidates admitted at II B.Tech II Semester:**

S. No.	Theory/Lab course with similar title and syllabus studied under R14 Autonomous regulations	Substitute Theory/Lab Course recommended with reference to R17 autonomous regulations
1	Digital Circuits	Engineer and Society and Solid State Physics Lab
2	Data Structures	Engineering Economics and Project Management

**Candidates admitted at III B.Tech I Semester:**

S. No.	Theory/Lab course with similar title and syllabus studied under R14 Autonomous regulations	Substitute Theory/Lab Course recommended with reference to R17 autonomous regulations
1	Analog Communication Lab	Digital Circuits Design Lab

**Candidates admitted at III B.Tech II Semester:**

S. No.	Theory/Lab course with similar title and syllabus studied under R14 Autonomous regulations	Substitute Theory/Lab Course recommended with reference to R17 autonomous regulations
1	Control Systems	Principles of VLSI Design

**Candidates admitted at IV B.Tech I Semester:**

S. No.	Theory/Lab course with similar title and syllabus studied under R14 Autonomous regulations	Substitute Theory/Lab Course recommended with reference to R17 autonomous regulations
1	Miniproject	Digital Signal Processing Lab

**Candidates admitted at IV B.Tech II Semester:**

S. No.	Theory/Lab course with similar title and syllabus studied under R14 Autonomous regulations	Substitute Theory/Lab Course recommended with reference to R17 autonomous regulations
1	Real Time Operating Systems	Professional Elective - V other than Real Time Operating Systems

  
(BoS Chairman)

**Dept. of ECE**

**PROFESSOR**

Dept. of Electronics & Communication Engg.

Seshadri Rao

Gudlavalluru Engineering College

Seshadri Rao Knowledge Village

Gudlavalluru - 521 356, Krishna District A.P

R17 CSE

(W)

# GUDLAVALLERU ENGINEERING COLLEGE

(An Autonomous Institute with Permanent Affiliation to JNTUK, Kakinada)  
Seshadri Rao Knowledge Village:: Gudlavalleru

## Department of Computer Science and Engineering

### CIRCULAR

2<sup>nd</sup> May 2018.

The Fourth meeting of the **Board of Studies** of Computer Science and Engineering will be held on **04-05-2018, Friday at 9:30 AM** in M-307. You are requested to make it convenient to attend the meeting.

#### AGENDA:

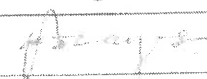






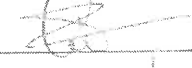
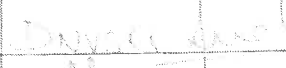

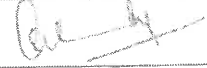









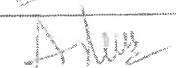


1. To discuss and finalize the GEC R-17 Course Structure of II, III and IV B.Tech. program.
2. To prepare and finalize the syllabi for various courses of II, III and IV B.Tech, and courses offered to other departments.
3. To review the attainments of Course Outcomes (COs), Program Outcomes (POs) and Program Specific Outcomes (PSOs).
4. Any other item with the permission of the chair.

  
**Chairman**  
**Board of Studies**

**Head of the Department**  
Computer Science and Engineering  
Gudlavalleru Engineering College  
Seshadri Rao Knowledge Village  
GUDLAVALLERU-521356

**GUDLAVALLERU ENGINEERING COLLEGE**  
(An Autonomous Institute with Permanent Affiliation to JNTUK, Kakinada)  
Seshadri Rao Knowledge Village, Gudlavalleru-521 356.

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

S.No.	Name of the Staff	Designation	Status in BoS	Signature
1	Dr.S.NARAYANA	Professor & HOD	Chairman	
2	Dr. G.V.S.N.R.V. PRASAD	Professor of CSE, Dean-A.A.	Member	
3	Dr. M. BABU RAO	Professor & Mentor(AS&A)	Member	
4	Mrs. Y. ADI LAKSHMI	Associate Professor	Member	
5	Mr. K. SRINIVAS	Associate Professor	Member	
6	Mrs. N. RAJESWARI	Associate Professor	Member	
7	Dr. CH. SURESH BABU	Associate Professor	Member	
8	Mr. G. VIJAYADEEP	Associate Professor	Member	
9	Dr. (Ms). D.N.V.S.L.S. INDIRA	Sr. Scale. Gr. Asst. Prof. Professor	Member	
10	Ms. G. BHARATHI	Sr. Scale. Gr. Asst. Prof. Professor	Member	
11	Ms. SK. SALMA BEGUM	Assistant Professor	Member	
12	Ms. Y.V.N. TULASI	Assistant Professor	Member	
13	Mr. J N V R SWARUP KUMAR	Assistant Professor	Member	
14	Ms. D. RAGAVAMSI	Assistant Professor	Member	
15	Ms. S. VINEELA KRISHNA	Assistant Professor	Member	
16	Ms. S. SESHASAI PRIYA	Assistant Professor	Member	
17	Ms. T. NAGAMANI	Assistant Professor	Member	
18	Mr. P.V.N.N. DURGA PRASAD	Assistant Professor	Member	
19	Mr. M. N. SATHISH KUMAR	Assistant Professor	Member	
20	Mr. K. AMRUTA SAGAR	Assistant Professor	Member	
21	Mr. K. ASHOK REDDY	Assistant Professor	Member	
22	Mr. K. BHASKAR	Assistant Professor	Member	
23	Ms. T. PRIYANKA	Assistant Professor	Member	

S.No.	Name of the Staff	Designation	Status in BoS	Signature
24	Mr. P. AVINASH	Assistant Professor	Member	SL
25	Mr. K. HAREESH KUMAR	Assistant Professor	Member	gaur
26	Mr. B. LOKESH	Assistant Professor	Member	B. Lokesh
27	Ms. Y. MANASA	Assistant Professor	Member	Manasa
28	Ms. A. APARNA	Assistant Professor	Member	LOP
29	Ms. D. PRIYANKA	Assistant Professor	Member	Priyanka
30	Ms. K. DIVYA	Assistant Professor	Member	K Divya
31	Mr. V.M.R. KRISHNA RAO	Assistant Professor	Member	EL
32	Ms. N. RANGASREE	Assistant Professor	Member	LOP
33	Mr. S. SRUJAN	Assistant Professor	Member	S. Srujan
34	Ms. D. MADHAVI	Assistant Professor	Member	Madhavi
35	Mr. K. SRAVAN KUMAR	Assistant Professor	Member	SK
36	Ms. G. KEERTHI	Assistant Professor	Member	Keerthi
37	Ms. V. SANDHYA	Assistant Professor	Member	V. Sandhya
38	Ms. S. RAGA DEEPTHI	Assistant Professor	Member	S. Raga Deepthi
39	Mr. M. SIVA NAGA PRASAD	Assistant Professor	Member	SNP
40	Ms. K. NANDINI	Assistant Professor	Member	K. Nandini
41	Mr. M. UMA MAHESWARA RAO	Assistant Professor	Member	U. Maheswara Rao
42	Ms. K. SRILAKSHMI	Assistant Professor	Member	SL
43	Mr. B.V. SOMA SEKHAR	Assistant Professor	Member	B.V. Soma Sekhar
44	Mr. U. GANESH NAIDU	Assistant Professor	Member	U. Ganesh Naidu
45	Mr. T. BALA KRISHNA	Assistant Professor	Member	OD
46	Ms. I. KAMALAMMA	Assistant Professor	Member	IK
47	Mr. Sk. MOINUDDIN AHMED	Assistant Professor	Member	Sk. Moineuddin Ahmed
48	Mr. G. SANTHI RAJU	Assistant Professor	Member	G. Santhi Raju
49	Ms. D. SIRISHA	Assistant Professor	Member	D. Sirisha
50	Ms. L. DHANA LAKSHMI	Assistant Professor	Member	DL

S.No.	Name of the Staff	Designation	Status in BoS	Signature
51	Mr. G. SAHITH	Assistant Professor	Member	G. Sahith
52	Ms. T. POOJITHA	Assistant Professor	Member	T. Poojitha
53	Ms. S.N.V.R. TAPASWI	Assistant Professor	Member	S.N.V.R. Tapaswi
54	Mr. K. BALA BRAHMESWARA	Assistant Professor	Member	K. B. B. Bora
55	Mr. N. SIVA CHINTAIAH	Assistant Professor	Member	Chintan
56	Dr. D. Rajya Lakshmi	Professor, HOD & Vice-Principal (Academics), Department of Computer Science and Engineering, JNTUK UCEN, Narasaraopet.	University Nominee	D. Rajya Lakshmi
57	Dr.C. Raghavendra Rao	Professor, School of Computer & Information Sciences, University of Hyderabad, Central University P.O., Hyderabad -500046 Telangana.	Member Subject Expert Nominated by Academic Council	C. Raghavendra Rao
58	Dr. C. Krishna Mohan	Associate Professor, Department of Computer Science and Engineering, Indian Institute of Technology, Hyderabad.	Member Subject Expert Nominated by Academic Council	—
59	Mr. K.V. Sharma	Senior Vice President-Banking and Financial Services, YASH Technologies, Hyderabad Area, India.	Member Representative from Industry Nominated by Academic Council	K.V. Sharma
60	Mr. B. Venkata Praveen	Software Engineer2, Microsoft India (R&D) Pvt. Ltd., Microsoft Campus, Gachibowli, Hyderabad.	Member Alumni Nominated by Academic Council	—

# **GUDLAVALLERU ENGINEERING COLLEGE**

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

Seshadri Rao Knowledge Village, Gudlavalleru-521 356.



## **Department of Computer Science and Engineering**

### **CIRCULAR**

20<sup>th</sup> March 2017.

The **Third meeting of the Board of Studies** of Computer Science and Engineering will be held on **25-03-2017, Saturday at 9:30 AM** in **M-307**. You are requested to make it convenient to attend the meeting.

### **AGENDA**

1. To discuss and finalize the GEC-R17 course structure of U.G program.
2. To prepare and finalize the syllabi for various courses in Computer Science and Engineering at first year level of B. Tech and courses offered to other departments.
3. To frame the Program Specific Outcomes (PSOs) of Computer Science and Engineering.
4. To review the attainments of Course Outcomes (COs) and Program Outcomes (POs).
5. To discuss broad contents for second, third and final year level of U.G program.
6. Any other item with the permission of chair.

Chairman

**Board of Studies**

**Head of the Department**  
Computer Science and Engineering  
Gudlavalleru Engineering College  
Seshadri Rao Knowledge Village  
GUDLAVALLERU-521356

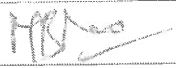


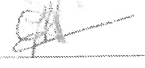








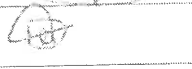








# GUDLAVALLERU ENGINEERING COLLEGE



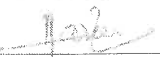

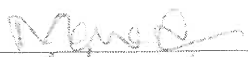


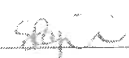




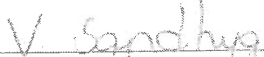



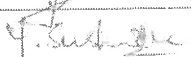

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Seshadri Rao Knowledge Village, Gudlavalleru-521 356.

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Minutes of the third meeting of the Board of Studies in Computer Science and Engineering, Gudlavalleru Engineering College (Autonomous) held at 9:30 AM of 25<sup>th</sup> March 2017 in Microsoft Innovation Center, Department of Computer Science and Engineering, Gudlavalleru Engineering College.

### Members Present:

S.No.	Name of the Staff	Designation	Status in BoS	Signature
1	Dr. M. BABU RAO	Professor & HOD	Chairman	
2	Dr. G.V.S.N.R.V. PRASAD	Professor of CSE, Dean-A.A.	Member	
3	Dr. (Mrs.) CH. KAVITHA	Professor	Member	
4	Mrs. Y. ADI LAKSHMI	Associate Professor	Member	
5	Mr. K. SRINIVAS	Associate Professor	Member	
6	Mrs. N. RAJESWARI	Associate Professor	Member	
7	Mr. CH. SURESH BABU	Associate Professor	Member	
8	Mr. G. VIJAYADEEP	Associate Professor	Member	
9	Mrs. D.N.V.S.L.S. INDIRA	Sr. Scale. Gr. Asst. Prof. Professor	Member	
10	Mrs. G. BHARATHI	Sr. Scale. Gr. Asst. Prof. Professor	Member	
11	Mrs. SK. SALMA BEGUM	Assistant Professor	Member	
12	Mrs. Y.V.N. TULASI	Assistant Professor	Member	
13	Mr. J.N.V.R. SWARUP KUMAR	Assistant Professor	Member	
14	Mrs. D. RAGAVAMSI	Assistant Professor	Member	
15	Ms. S. VINEELA KRISHNA	Assistant Professor	Member	
16	Ms. S. SESHASAI PRIYA	Assistant Professor	Member	
17	Mrs. T. NAGAMANI	Assistant Professor	Member	
18	Mr. P.V.N.N. DURGA PRASAD	Assistant Professor	Member	
19	Mr. M. N. SATHISH KUMAR	Assistant Professor	Member	
20	Mr. K. AMRUTA SAGAR	Assistant Professor	Member	
21	Mr. K. ASHOK REDDY	Assistant Professor	Member	

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22	Mr. K. BHASKAR	Assistant Professor	Member	
23	Ms. T. PRIYANKA	Assistant Professor	Member	
24	Mr. P. AVINASH	Assistant Professor	Member	— SL —
25	Mr. K. HAREESH KUMAR	Assistant Professor	Member	
26	Mr. B. LOKESH	Assistant Professor	Member	
27	Ms. Y. MANASA	Assistant Professor	Member	
28	Mrs. A. APARNA	Assistant Professor	Member	
29	Mrs. D. PRIYANKA	Assistant Professor	Member	
30	Mrs. K. DIVYA	Assistant Professor	Member	K. Divya
31	Ms. S. RAJESWARI	Assistant Professor	Member	
32	Mr. V M R. KRISHNA RAO	Assistant Professor	Member	
33	Mrs. N. RANGASREE	Assistant Professor	Member	— MTL —
34	Mr. S. SRUJAN	Assistant Professor	Member	S. Srujan
35	Ms. V. MANYA	Assistant Professor	Member	— LOP —
36	Ms. CH. SARANYA	Assistant Professor	Member	
37	Ms. D. MADHAVI	Assistant Professor	Member	
38	Mr. K. SRAVAN KUMAR	Assistant Professor	Member	K. Sraavan Kumar
39	Mrs. G. KEERTHI	Assistant Professor	Member	
40	Mrs. V. SANDHYA	Assistant Professor	Member	
41	Ms. S. RAGA DEEPTHI	Assistant Professor	Member	
42	Mr. N. KRISHNA	Assistant Professor	Member	
43	Mr. M. SIVA NAGA PRASAD	Assistant Professor	Member	
44	Ms. Y. SUSHMITHA	Assistant Professor	Member	
45	Mrs. K. NANDINI	Assistant Professor	Member	K. Nandini
46	Mr. M. UMA MAHESWARA RAO	Assistant Professor	Member	M. Uma Maheswara Rao
47	Mrs. K. SRILAKSHMI	Assistant Professor	Member	K. Srilakshmi
48	Mr. G. TRINESH SAGAR REDDY	Assistant Professor	Member	G. Trinesh Sagar Reddy
49	Mrs. ELISABETH SUSAN	Assistant Professor	Member	
50	Mr. B.V. SOMA SEKHAR	Assistant Professor	Member	B.V. Soma Sekhar

S.No.	Name of the Staff	Designation	Status in BoS	Signature
51	Dr. D. Rajya Lakshmi	Professor of CSE & Vice Principal, University College of Engineering, JNTUK, Narasarao Pet.	University Nominee	<i>D. Rajya Lakshmi</i>
52	Dr. C. Raghavendra Rao	Professor, School of Computer & Information Science, University of Hyderabad, Central University P.O., Hyderabad -500046 Telangana.	Member Subject Expert Nominated by Academic Council	<i>C. Raghavendra Rao</i>
53	Dr. C. Krishna Mohan	Associate Professor, Department of Computer Science and Engineering, Indian Institute of Technology Hyderabad, Hyderabad.	Member Subject Expert Nominated by Academic Council	<i>C. Krishna Mohan</i>
54	Mr. K.V. Sharma	Senior Vice President- Global Head, Capital Markets & Investment Banking, ValueLabs, Plot # 41, HITEC City, Phase II, Madhapur, Hyderabad-500081, Telangana, India	Member Representative from Industry Nominated by Academic Council	<i>K.V. Sharma</i>
55	Mr. B. Venkata Praveen	Software Engineer2, Microsoft India (R&D) Pvt. Ltd., Microsoft Campus, Gachibowli, Hyderabad.	Member Alumni Nominated by Academic Council	<i>B. Venkata Praveen</i>

Minutes:

**GUDLAVALLERU ENGINEERING COLLEGE**  
(An Autonomous Institute with Permanent Affiliation to JNTUK, Kakinada)  
Seshadri Rao Knowledge Village, Gudlavalleru

**Department of Computer Science and Engineering**

**Minutes of the Third Board of Studies Meeting held on 25<sup>th</sup> March 2017**

- Divide Linear Algebra and Differential Equations, Numerical Methods and Vector Calculus.
- Electives to be opted in any sem and if one want to do 1 or more electives should also be permitted.
- Offer Optional Elective courses, so that student can earn more credits and able to improve their self-study capabilities.
- Can eliminate Self study courses if optional electives are being offered.
- Allow the student to opt for vertical mobility, so that can finish 4-2 subjects earlier and can join job or can have more concentration on their placements.
- As it is not convenient to provide labs for all subjects that require practical orientation, introduce some courses as Integrated Courses for gaining practical knowledge along with theory.
- From two optional electives per semester offer one course as MOOC's.
- Offer Python Programming as an integrated course in first year.
- Instead of Engineering Drawing/Elements of Electronics Engineering /Engineering Chemistry better to introduce any programming language related to computer science.
- Instead of Distributed Systems, modify it as Advanced Operating Systems.
- The sequence of the subjects: CP—DS—OOP—UML & DP—SE—DAA—WT
- Rename Soft Computing Techniques as Soft Computing.
- It is better to change the title or syllabi of Engineer and Society and Environmental Science as the syllabi of both the subjects are similar.
- Move Engineer and Society to I sem.
- Introduce subjects of Computer Networks, OS and DBMS earlier than IV sem.
- Two class tests per course is enough rather than 4 class tests.
- Assignment (Project evaluation should enforce alternative evaluation, Decision analysis and Resolution techniques).

- Programming around various algorithm approaches i.e., application of algorithms to some practical questions should be included.
- Advanced Data Structure concepts like B-trees, tries, dictionaries should be added to DS/DAA syllabus and make this as a compulsory course.
- For electives, lab must be through assignments.
- Introduce automated unit test cases in all labs.
- Offer Supply Chain Management, Smart Cities or E-Governance as Optional Elective.
- Include NSS, NCC.
- Defined the Program Specific Outcomes (PSOs) of the department.
  - Design, develop, test and maintain reliable software systems and intelligent systems.
  - Design and develop web sites, web apps and mobile apps.
- The attainments of Course Outcomes (COs) and Program Outcomes (POs) are presented.

  
Chairman, BOS

Head of the Department  
Computer Science and Engineering  
Gudiavalluru Engineering College  
Seshadri Rao Knowledge Village  
GUDIALLERU-521355



# **GUDLAVALLERU ENGINEERING COLLEGE**

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Seshadri Rao Knowledge Village, Gudlavalluru

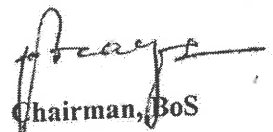
## **Department of Computer Science and Engineering**

### **Minutes of the Fourth Board of Studies Meeting held on 4<sup>th</sup> May 2018**

- Industry is not using Data Warehousing, change the syllabus of DMDW to Data Mining.
- Introduce Lab course for Data Mining.
- Include more topics related to data visualization in data mining Lab.
- Principles of Programming Languages and Design Patterns should be core.
- Consider introducing Cyber Security as a course or introduce Cyber Security aspects like Network Security, architecture level and coding level.
- R-programming and Machine Learning can be combined.
- We should ask students to build some models using ML and R-programming.
- Offer Advanced Operating Systems as an elective and include chapter 1 for Tiny OS.
- Replace OOAD with UML and DP.
- Big Data Analytics should be offered as core course not as an elective.
- Discussion on the subjects for which the labs has to be introduced:
  - UNIX Programming lab
  - Data Mining Lab
  - Big Data Analytics Lab
  - Cryptography and Network Security Lab
- Include optimization and more topics towards parallel algorithms in DAA.
- Blockchain Technologies can be a workshop/Guest lecture, need not be a subject.
- Introduce DevOps concepts as part of Agile Software Development.
- Advanced Data Structure concepts like B-trees, tries, dictionaries should be added to Data Structures/Design and Analysis of Algorithms syllabus and make this as a compulsory course.
- Programming around various algorithm approaches i.e., application of algorithms to some practical questions should be included.
- Python can be used as scripting language, introduce OOP concepts in it

- Discussion on the subjects which can be offered as an core elective:
  - Time-series
  - Queuing Theory
  - Stochastic Process
  - Ethical Hacking
  - Bio-Informatics
  - Optimization Techniques
  - High Performance Computing
  - Software Requirements Engineering and Estimation
  - Deep Learning
  - Internet of Things
  - Recommender Systems
  - Wireless Networks
  - Quantum Computing
  - Mobile Computing
  - Information Retrieval Systems
  - Natural Language Processing
- Modeling and Simulation is required.
- Machine learning and Artificial Intelligence subjects should be as core and with practical knowledge.
- More subjects related to cyber security need to be introduced as there is a raising concern about the short fall in qualified graduates.
- Discussion on the subjects to be offered as Integrated Courses
  - It is resolved to offer the following subjects as integrated theory courses
    - UML and Design Patterns,
    - NoSQL Databases,
    - C#.NET,
    - Agile Software Development Process,
    - Scripting Languages
- Practical knowledge on cloud computing and programming knowledge on 'R' is required.
- Inculcate critical thinking and analytical skills, strong fundamentals on data structures and algorithms.
- Make the students to do at least one small project per semester by considering case studies in lab experiments.
- Open Electives offered by CSE department should not be chosen by CSE students.

- Discussion on the subjects to be offered as open electives.
  - It is resolved to offer the following subjects as open electives
    - Ethical Hacking
    - Cyber Security
    - Web Technologies
    - Computer Graphics
    - Object Oriented Programming
    - Basics of Networks
    - Personalization
    - Virtual and Augmented Reality
    - Data Science
    - Node and Angular JS
    - Cyber Security
    - Digital Forensics
    - Business Intelligence and Decision Support Systems
    - Document Analysis
- Introduce Microprocessor and Microcontrollers as an elective course.
- Include the concept of cloud privacy in cloud computing subject.
- Discussion on the subjects to be offered as optional electives.
  - It is resolved to offer the following subjects as optional electives
    - Dynamic Programming
    - Principles of Programming Languages
    - Image and Video Processing
    - Network Programming
    - Systems Software
    - Human Computer Interaction
    - Applied Graph Theory
    - Neural Networks
    - Fuzzy Logic
- Advanced Networking Concepts and Algorithms needs to be introduced.
- Give awareness on computer networks algorithms in practice using some networking tools.
- The attainments of Course Outcomes (COs), Program Outcomes (POs) and Program Specific Outcomes (PSOs) are presented.

  
Chairman, BoS

**Head of the Department**  
Computer Science and Engineering  
Gudlavalleru Engineering College  
Seshadri Rao Knowledge Village  
GUDLAVALLERU-521356

**GUDLAVALLERU ENGINEERING COLLEGE**

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

Seshadri Rao Knowledge Village, Gudlavalluru

**Department of Computer Science and Engineering****CIRCULAR****4<sup>th</sup> March 2020**

As a part of curriculum revision for GEC-R20 regulations, the fifth meeting of the Board of Studies will be held on 7<sup>th</sup> March 2020, Saturday at 9:30 AM in Room No.M-307. All the Board of Studies internal members are requested to attend the meeting without fail.

**Agenda**

- To discuss and finalize the GEC-R20 Course Structure of U.G. program.
- To prepare and finalize the syllabi for various courses of CSE and courses offered to other departments.
- To review the Program Specific Outcomes (PSOs) of Computer Science and Engineering.
- To review the attainments of Course Outcomes (COs), Program Outcomes (POs) and Program Specific Outcomes (PSOs).
- Any other items with the permission of chair.



**Chairman**  
**Board of Studies**

**Head of the Department**  
Computer Science and Engineering  
Gudlavalluru Engineering College  
Seshadri Rao Knowledge Village  
GUDLAVALLERU-521105












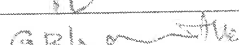






# GUDLAVALLERU ENGINEERING COLLEGE

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

Seshadri Rao Knowledge Village, Gudlavalleru-521 356.

## Department of Computer Science and Engineering

Fifth Board of Studies Meeting on 7<sup>th</sup> March 2020

S.No.	Name	Designation	Position in BoS	Signature
1	Dr. S. NARAYANA	Professor & HoD	Chairman	
2	Dr. L. SUMALATHA	Professor, Department of Computer Science and Engineering, JNTU Kakinada.	University Nominee	
3	Dr. P. KRISHNA REDDY	Professor, Department of Computer Science and Engineering, International Institute of Information Technology, Hyderabad.	Member Subject Expert Nominated by Academic Council	
4	Dr. R. CH. SOBHAN BABU	Professor, Department of Computer Science and Engineering, Indian Institute of Technology, Hyderabad.	Member Subject Expert Nominated by Academic Council	
5	Dr. SUNIL KUMAR VUPPALA	Principal Scientist, Philips Research India, Bangalore.	Member Representative from Industry Nominated by Academic Council	Attended online
6	Mr. PRADEEP KUMAR KOTHA	Senior Lead Engineer, Qualcomm India Pvt. Ltd., Bangalore	Member Alumni Nominated by Academic Council	Attended online
7	Dr. G.V.S.N.R.V. PRASAD	Professor of CSE & Vice Principal-Academics	Member	
8	Dr. M. BABU RAO	Professor & Mentor(AS&A)	Member	
9	Mrs. Y. ADILAKSHMI	Associate Professor	Member	
10	Dr. K. SRINIVAS	Associate Professor	Member	
11	Mrs. N. RAJESWARI	Associate Professor	Member	
12	Dr. A. JAGADEESWARA RAO	Associate Professor	Member	
13	Dr. Mrs. S. JAYAPRADA	Associate Professor	Member	
14	Mrs. G. BHARATHI	Sr. Scale. Gr. Asst. Professor	Member	
15	Mrs. SK. SALMA BEGUM	Assistant Professor	Member	
16	Mr. J N V R SWARUP KUMAR	Assistant Professor	Member	
17	Mrs. D. RAGAVAMSI	Assistant Professor	Member	
18	Ms. S. VINEELA KRISHNA	Assistant Professor	Member	
19	Mrs. T. NAGAMANI	Assistant Professor	Member	
20	Mr. M. N. SATHISH KUMAR	Assistant Professor	Member	

S.No.	Name of the Staff	Designation	Position in BoS	Signature
21	Mr. K. AMRUTA SAGAR	Assistant Professor	Member	K. Amrutha Sagar
22	Mr. K. ASHOK REDDY	Assistant Professor	Member	Ashok
23	Mr. K. BHASKAR	Assistant Professor	Member	Bhaskar
24	Ms. T. PRIYANKA	Assistant Professor	Member	Priyanka
25	Mr. K. HAREESH KUMAR	Assistant Professor	Member	Hareesh
26	Mrs. Y. MANASA	Assistant Professor	Member	Manasa
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31	Mrs. V. SANDHYA	Assistant Professor	Member	V. Sandhya
32	Mrs. S. RAGA DEEPTHI	Assistant Professor	Member	Raga Deepthi
33	Mr. M. SIVA NAGA PRASAD	Assistant Professor	Member	M. Siva Naga Prasad
34	Mrs. K. NANDINI	Assistant Professor	Member	K. Nandini
35	Mr. M. UMA MAHESWARA RAO	Assistant Professor	Member	M. Maheshwara Rao
36	Mrs. K. SRILAKSHMI	Assistant Professor	Member	K. Sri Lakshmi
37	Mr. T. BALA KRISHNA	Assistant Professor	Member	T. Bala Krishna
38	Ms. P. RAMYA	Assistant Professor	Member	P. Ramya
39	Ms. T. KRISHNA SRAVANI	Assistant Professor	Member	T. Krishna Sravani
40	Mr. E. BALA BHASKARA RAO	Assistant Professor	Member	E. Bala Bhaskara Rao
41	Mrs. J. LAKSHMI ALEKHYA	Assistant Professor	Member	J. Lakshmi Alekhya
42	Ms. P. ANUSHA	Assistant Professor	Member	P. Anusha
43	Ms. K. BHARGAVI	Assistant Professor	Member	K. Bhargavi
44	Ms. R. ABINAYA	Assistant Professor	Member	R. Abinaya
45	Mr. J. KARTHIK	Assistant Professor	Member	J. Karthik
46	Mrs. Y. ADITYA	Assistant Professor	Member	Y. Aditya
47	Mr. K. BALA BRAHMESWARA	Assistant Professor	Member	K. B. B. Brahmewara
48	Mr. K. RAMA KRISHNA	Assistant Professor	Member	K. Rama Krishna
49	Ms. K. JYOTHSNA LATHA	Assistant Professor	Member	K. Jyothsna Latha

  
HoD, CSE

Head of the Department  
Computer Science & Engineering  
Gudlavalleru Engineering College  
GUDLAVALLERU - 521 756

# **GUDLAVALLERU ENGINEERING COLLEGE**

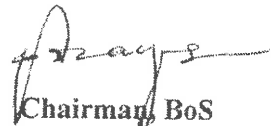
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## **Department of Computer Science and Engineering**

### **Minutes of the Fifth Board of Studies Meeting held on 7<sup>th</sup> March 2020**

- Suggested to include Artificial Intelligence (AI) as the main course instead of elective course. Also use AICTE framed AI syllabus as reference in framing the AI syllabus.
- Suggested to consider only NPTEL/SWAYAM courses under MOOCs.
- Prescribe latest editions of standard text books for all the subjects otherwise there is a chance for missing the latest chapters.
- Data Science is a general term, so, this title may be changed to either Statistical Learning or Linear Regression.
- Suggested that first year Mathematics courses must cover concepts related to Machine Learning.
- Suggested to refer Stanford University and IIT Syllabi of Numerical Methods and Differential Equations.
- Chemistry course is not necessary for Computer Science and Engineering and may be removed.
- Suggested to reduce the number of programming languages in the proposed curriculum.
- UNIX and Shell programming subject can be removed from the curriculum. Instead of this, include experiments related to this subject in Operating Systems Lab.
- Suggested to Introduce Data Structures using C++ instead of C.
- Introduce PHP lab instead of UNIX lab in the First Year itself as it encourages the students to design Web sites on their own.
- Inter-process communication, Signal Processing and message passing concepts can be thought in Operating Systems Lab.
- Suggested that Software Engineering subject may be offered in 3<sup>rd</sup> Year.
- Topics related to NP hard and NP complete problems can be included in the last unit of Design and Analysis of Algorithms course.
- Suggested to introduce object oriented features in Python Programming subject.
- Suggested that only courses with good standard text books may be included in the elective courses.

- Since, Compiler Design course is a straight course and therefore it can be placed in anywhere in the curriculum.
- Suggested to include dynamic indexing concepts in DBMS course.
- Mentioned that Open electives offered by CSE department should be opted by other than CSE students.
- Decided to continue with the existing Program Specific Outcomes (PSOs) of the department.
- The attainments of Course Outcomes (COs) and Program Outcomes (POs) are presented.



Chairman, BoS

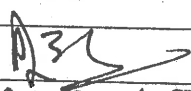
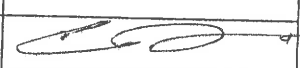
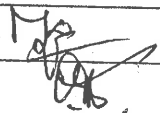
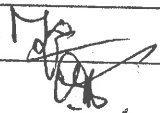
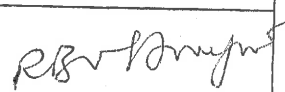
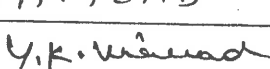
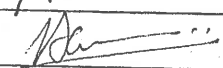
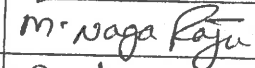
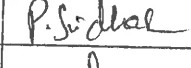
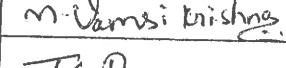
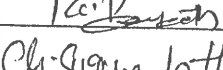

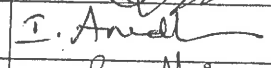
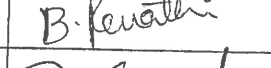


Head of the Department  
Computer Science and Engineering  
B.Tech. (CSE)  
CIT, Vellore

17 R17

**GUDLAVALLERU ENGINEERING COLLEGE**  
**SESHADRIRAO KNOWLEDGE VILLAGE::GUDLAVALLERU**

**DEPARTMENT OF INFORMATION TECHNOLOGY**

*Members present for the Board of Studies (BoS) meeting held on 12-05-2018*

S.No.	Name	Designation	Status in BoS	Signature
1	Dr.P.Ravindra Babu	Principal	Invitee	
2	Dr.B.Karuna Kumar	Vice – Principal	Invitee	COULD NOT ATTEND
3	Dr. P.Nageswara Reddy	Director, AS&A	Invitee	COULD NOT ATTEND
4	Dr.G.V.S.N.R.V.Prasad	Dean Academic Affairs	Invitee	
5	Dr.M.V.L.N.Raja Rao	Professor & Mentor, IT	Member	
6	Dr.CH.Kavitha	Professor & HOD, IT	Chairman	
7	Dr.C.Chandrasekhar	Professor of CSE, IIT, CHENNAI.	Subject Expert	COULD NOT ATTEND
8	Dr. R.B.V.Subramaanyam	Professor of CSE, NIT, WARANGAL	Subject Expert	
9	Prof. Prasad Reddy P.V.G.D	Professor Computer Science & Systems Engineering, Andhra University College of Engineering, VISAKHAPATNAM	Subject Expert	COULD NOT ATTEND
10	Sri P.Siva Balaji	Sri P.Siva Balaji, Sr. Project Manager, Infosys Limited, HYDERABAD	Industry Expert	COULD NOT ATTEND
11	Mr. S.Sunil Kumar	Team Lead, HCL Technologies, BANGALORE	Alumni	COULD NOT ATTEND
12	Sri.Y.K.Viswanadham	Associate Professor	Member	
13	Sri.B.Srinivasu Kumar	Associate Professor	Member	
14	Mr.M.Naga Raju	Assistant Professor	Member	
15	Mr.P.S.S.Sreedhar	Assistant Professor	Member	
16	Mr.M.Vamsi Krishna	Assistant Professor	Member	
17	Mr.T.K.K.Praneeth	Assistant Professor	Member	
18	Smt. CH.Suguna Latha	Assistant Professor	Member	
19	Mr.M.Dilip Kumar	Assistant Professor	Member	
20	Mr.I Ananda Babu	Assistant Professor	Member	
21	Ms. B.Revathi	Assistant Professor	Member	
22	Smt.T.Sumallika	Assistant Professor	Member	

S.No.	Name	Designation	Status in BoS	Signature
23	Ms.V.Alekya	Assistant Professor	Member	<i>Alekya</i>
24	Sri.I.L.Narayana	Assistant Professor	Member	ON LEAVE
25	Ms.D.Hema Sindhu	Assistant Professor	Member	<i>D. Sindhu</i>
26	Mr.B.Sobhan Babu	Assistant Professor	Member	<i>B. Sobhan Babu</i>
27	Mr.K.Srikanth	Assistant Professor	Member	<i>K. Srikanth</i>
28	Mr.Nagarjuna.M	Assistant Professor	Member	<i>MNO</i>
29	Ms.M.Srujana Rani	Assistant Professor	Member	<i>M. Srujana Rani</i>
30	Ms.K.Praneetha	Assistant Professor	Member	<i>K. Praneetha</i>
31	Ms.E.Mounika	Assistant Professor	Member	<i>E. Mounika</i>
32	Smt.M.Krishna Kumari	Assistant Professor	Member	<i>M. K. Krishna Kumari</i>
33	Mr.M V N S S R K S Somayajulu	Assistant Professor	Member	<i>M. V. N. S. S. R. K. S. Somayajulu</i>
34	Mr.Tedla Balaji	Assistant Professor	Member	<i>T. Balaji</i>
35	Mr.K.Raja Sekhar	Assistant Professor	Member	<i>K. Raja Sekhar</i>

**INFORMATION TECHNOLOGY**  
**GUDLAVALLERU ENGINEERING COLLEGE**  
**Seshadrirao Knowledge Village, GUDLAVALLERU**

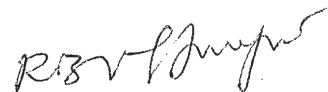
**THE FOURTH BOARD OF STUDIES MEETING**

Minutes of the meeting  
9.30 AM, 12<sup>th</sup> May 2018

- BoS Chairman Initiated the meeting
- The Principal has given general guidelines of R17 Curriculum

**Suggestions by Experts:**

- Introduce "Computer network and Data Mining lab" instead of "Computer network and Algorithms lab".
- In OOP Lab, simple OOP Programs can be introduced instead of basic programs.
- Add the concepts "Logistic regression" and "regularization" in Probability & Statistics.
- In FLAT course, Delete "Moore & Melay machine and applications" from unit 2 and delete "computability Theory" from unit 6.
- Software engineering text book can be "Software Engineering: A Precise Approach" by Pankaj jalote instead of "Software Engineering Concepts and Practices" by Ugrasen.
- In DWDM, delete topic "Data warehousing to Data Mining" in Unit-2.
- "Cyber Laws" can be introduced instead of "Cyber Security" as it is an Open Elective.
- In Management Information System, syllabus of Unit-5 can be reduced.
- Replace Organization Behaviour with Managerial Economics and Financial Analysis (MEFA) in 4-1.
- Introduce "Statistics with R Programming" in III-I as Open elective and "Fuzzy sets and Logics" in III-II as Open Elective (offered by Basic Sciences and Humanities Department).
- Include Journal Reports, Technical Reports, Dissertation/ Thesis Report in Academic Communications subject (offered by English Department as Open Elective).




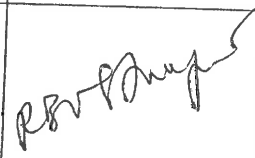

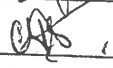
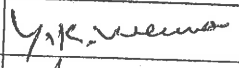
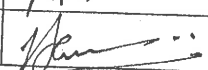
(Dr.R.B.V.Subramaanyam),  
Subject Expert.

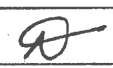








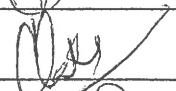
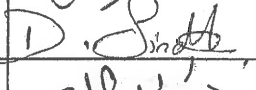
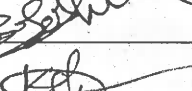



# GUDLAVALLERU ENGINEERING COLLEGE

(An Autonomous Institute with Permanent Affiliation to JNTUK, KAKINADA)  
Seshadrirao Knowledge Village, GUDLAVALLERU - 521356

## DEPARTMENT OF INFORMATION TECHNOLOGY

Members present for the Board of Studies (BoS) meeting held on 08-04-2017

S.No.	Name	Designation	Status in BoS	Signature
1	Dr.P.Nageswara Reddy	Principal	Invitee	COULD NOT ATTEND
2	Dr.C.Chandrasekhar	Professor of CSE, IIT, CHENNAI.	University Nominee	
3	Dr. R.B.V.Subramaanyam	Professor of CSE, NIT, WARANGAL	Member, Subject Expert Nominated by Academic Council	
4	Prof. Prasad Reddy P.V.G.D,	Professor & Head of the Department, Computer Science & Systems Engineering, College Of Engineering Andhra University, VISAKHAPATNAM	Member, Subject Expert Nominated by Academic Council	COULD NOT ATTEND
5	Sri P.Siva Balaji,	Sr. Project Manager, Infosys, Survey No. 210, Manikonda Village, Lingampally, Rangareddy (Dist.), Hyderabad 500 032	Member, Representative from Industry Nominated by Academic Council	COULD NOT ATTEND
6	Mr. S.Sunil Kumar,	Team Lead, HCL Technologies, BANGALORE	Member, Alumni Nominated by Principal	COULD NOT ATTEND
7	Dr.M.V.L.N.RAJA RAO	Professor & HOD	Chairman	
8	Dr.CH.KAVITHA	Professor	Member	
9	Dr.S.NARAYANA	Professor	Member	ON LEAVE
10	Sri Y.K.VISWANADHAM	Associate Professor	Member	
11	Sri B.SRINUVASU KUMAR	Associate Professor	Member	

S.No.	Name	Designation	Status in BoS	Signature
12	Sri M.NAGA RAJU	Assistant Professor	Member	
13	Sri P.S.S.SREEDHAR	Assistant Professor	Member	
14	Mr.M.VAMSI KRISHNA	Assistant Professor	Member	m-vamsi krishna
15	Mr.T.K.K.PRANEETH	Assistant Professor	Member	Tcc
16	Smt.CH.SUGUNA LATHA	Assistant Professor	Member	
17	Mr.M.DILEEP KUMAR	Assistant Professor	Member	
18	Mr.I. ANANDA BABU	Assistant Professor	Member	
19	Ms.B.REVATHI	Assistant Professor	Member	
20	Smt.T.SUMALLIKA	Assistant Professor	Member	P.S. with
21	Smt.P.LAKSHMI PADMAJA	Assistant Professor	Member	
22	Ms.V.ALEKYA	Assistant Professor	Member	
23	Mr.T.RAMANJANEYULU	Assistant Professor	Member	
24	Mr.I.LAKSHMI NARAYANA	Assistant Professor	Member	
25	Ms.D.HEMA SINDHU	Assistant Professor	Member	D. Sindhu
26	Mr.B.SOBHAN BABU	Assistant Professor	Member	
27	Mr.K.SRIKANTH	Assistant Professor	Member	
28	Smt. Y.ADITYA	Teaching Asst.-cum-Computer Programmer	Member	ON LEAVE
29	Mr.M.NAGARJUNA	Assistant Professor	Member	M.N. 
30	Ms.M.SRUJANA RANI	Assistant Professor	Member	M. Srujana Rani
31	Ms.K.PRANEETHA	Assistant Professor	Member	
32	Ms.E.MOUNIKA	Assistant Professor	Member	

**GUDLAVALLERU ENGINEERING COLLEGE**  
(An Autonomous Institute with Permanent affiliation to JNTUK, Kakinada)

Seshadri Rao Knowledge Village, Gudlavalleru

**DEPARTMENT OF INFORMATION TECHNOLOGY**

**BOS MEETING MINUTES**

**B.Tech PROGRAM**

BOS meeting is conducted on **08-04-2017** from 10.AM to 4.PM in A/C Seminar Hall

Dr.C.Chandrasekhar sir suggested that

- To change number of credits Title with number of lecture hours in the course structure.
- To increase the credits for Applied Physics from 1 to 2 credits
- To give 1 credit for Environmental studies and 2 credits for Physics Lab.
- To reduce the syllabus of Engineer & Society subject.
- To Modify the Unit-IV title as Binary Trees & Unit-V as Graphs and advised to include Simple Hashing Techniques under Unit-VI in Data structures of I year-II Sem.
- To replace Engineering Drawing with Python Programming in I Year II Sem.
- To replace java Lab with Software Engineering Lab in II Year-II Sem
- To change subject title of Computer Organization as Computer Organization and Architecture in II Year-II Sem
- To replace Web Technology with Compiler Design in III-I
- To replace C# Lab with DWDM Lab in III-I

Dr.R.B.V Subramanyam sir suggested that

- To Include DMS in course structure prior to FLAT.
- Instead of oops through C++, c++ lab include oops through java , java lab in II-I
- Introduce WT & WT Lab in II-I in the place of FLAT & UNIX Lab.
- To Replace Compiler Design subject with Software Engineering in II Year-II Sem
- To Replace WT Lab with Unix Programming Lab in III-I
- To Replace SE with DWDM in III-I
- To combine C# & C# Lab as single subject and to provide to 2 Lecture Hours and 1 Practical in III-I

- To Replace DWDM with Distributed System III-II
- To Replace Elective –I Python Program to Advanced WT in III-II.
- To Replace Micro.processor and controller with Digital Image Processing IV Year-I Sem
- To Replace DIP with IRS in IV Year –II Sem.

The Present R17 Curriculum satisfies the Program Educational Objectives(PEOs), Program Outcomes(Pos) so, there is no need to redefine PEOs and POs



Dr.C.Chandra Sekhar  
Professor of CSE  
IIT, Chennai.



Dr.R.B.V Subramanyam  
Professor of CSE  
NIT, Warangal



IT R20

**SESHADRI RAO  
GUDLAVALLERU ENGINEERING COLLEGE**

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

Seshadri Rao Knowledge Village, GUDLAVALLERU-521 356, Krishna District, A.P., India

(Approved by AICTE, New Delhi and Permitted by A.P. State Government)

Accredited by NAAC

Phone Nos. 08674-273737, 273888, Mobile: +91 9848779121 Fax No. 08674-273957

E-mail: principal@gecgudlavalleru.ac.in, office@gecgudlavalleru.ac.in, Web: www.gecgudlavalleru.ac.in

18<sup>th</sup> April, 2022

To

**Dr. D. Rajya Lakshmi**

Professor of CSE,

University College of Engg., JNTUK, Kakinada

Honorable **Dr. D. Rajya Lakshmi,**

Sub: Invitation for Seventh BoS meeting – Request – Regarding.

We are proposing to conduct Seventh BoS meeting on 30<sup>th</sup> April 2022 (Saturday) through online using Microsoft Teams at 10.00 AM. Here with we are attaching the meeting link to join in the meeting.

**Meeting Link: <https://tinyurl.com/GECITBOS>**

In this regard, I invite you to join in the meeting and give your valuable suggestions.

**AGENDA**

1. To finalize the R20 course structure of III, IV year B.Tech. (IT).
2. To finalize the R20 course syllabi of III, IV year B.Tech. (IT).
3. To discuss about POs and PSOs attainments of 2017 Batch.
4. To discuss and finalize target levels of POs and PSOs for 2018 admitted Batch.
5. To present, discuss and finalize rubrics to assess COs for 2021 admitted Batch.
6. Any other matter with the permission of the chair.

Thanking you madam,

Yours sincerely,

(Dr.CH.Kavitha)  
Chairman, BOS  
Professor & HOD, IT

# IT R20 BOS MEETING MEETING 30-04-2022

Total Number of Participants  
30  
Meeting Title  
General  
Meeting Start Time  
4/30/2022, 9:38:12 AM  
Meeting End Time  
4/30/2022, 12:24:48 PM  
Meeting Id  
c3e9e1c0-419a-44a3-ac56-ed9231d767f9

Full Name	Join Time	Duration	Email	Role
CH POOJA RANI	4/30/2022, 9:38:12 AM	1h 55m	chpr28@gecgudlavalloorumic.in	Presenter
Ch Venkateswara Rao	4/30/2022, 9:43:16 AM	2h 41m	venkat12@gecgudlavalloorumic.in	Presenter
Srinivasukumar Battina	4/30/2022, 9:44:27 AM	49m 21s	bsk@gecgudlavalloorumic.in	Presenter
Kasi Viswanadham Y	4/30/2022, 9:45:29 AM	2h 39m	ykvnath@gecgudlavalloorumic.in	Organizer
HOD,IT	4/30/2022, 9:45:51 AM	2h 28m	hodit@gecgudlavalloorumic.in	Presenter
A. Koteswaramma	4/30/2022, 9:46:00 AM	2h 25m	es87@gecgudlavalloorumic.in	Presenter
M. Naga Raju	4/30/2022, 9:48:43 AM	2h 36m	mnr16@gecgudlavalloorumic.in	Presenter
Dr. P. Ravindra Babu	4/30/2022, 9:49:16 AM	5m 46s	prbabu1961@gecgudlavalloorumic.in	Presenter
Prof D Rajya Lakshmi (Guest)	4/30/2022, 9:49:21 AM	2h 7m		Presenter
M. Divya sumithra	4/30/2022, 9:50:34 AM	2h 20m	mds137@gecgudlavalloorumic.in	Presenter
M. Dileep kumar	4/30/2022, 9:52:39 AM	1h 43m	mdk44@gecgudlavalloorumic.in	Presenter
P. Nageswara Reddy (Guest)	4/30/2022, 9:55:20 AM	1h 14m		Presenter
K. Prudhviraj (Guest)	4/30/2022, 9:58:37 AM	5m 22s		Presenter
Mahesh (Guest)	4/30/2022, 9:58:59 AM	2h 10m		Presenter
Suresh Babu Gurram	4/30/2022, 9:59:35 AM	2h 14m	sureshbabu.gurram@hcl.com	Presenter
Prof Sritam G Sanjeevi (Guest)	4/30/2022, 10:02:20 AM	17m 15s		Presenter
Dr G V S N R V Prasad	4/30/2022, 10:03:55 AM	2h 6m	gutta.prasad1@gecgudlavalloorumic.in	Presenter
T. Sumalika	4/30/2022, 10:04:33 AM	2h 5m	ts28@gecgudlavalloorumic.in	Presenter
T Indra Deepika	4/30/2022, 10:10:28 AM	2h 1m	deepika@gecgudlavalloorumic.in	Presenter
Madhu Mutyam	4/30/2022, 10:14:16 AM	1h 53m		Presenter
Suresh Babu Ch	4/30/2022, 10:15:14 AM	49m 36s	sureshdani2004@gecgudlavalloorumic.in	Presenter
Rajarao M.V.L.N.	4/30/2022, 10:16:25 AM	1h 37m	admin@GudlavalloorEngineeringC560.onm	Presenter
Dr. D N V S L S Indira	4/30/2022, 10:19:06 AM	1h 53m	indira@gecgudlavalloorumic.in	Presenter
I. Lakshmi Narayana	4/30/2022, 10:25:28 AM	1h 45m	lin26@gecgudlavalloorumic.in	Presenter
B. Sobhan babu	4/30/2022, 10:28:40 AM	1h 42m	bsb20@gecgudlavalloorumic.in	Presenter
Dr. A.Sreenivasulu	4/30/2022, 10:29:39 AM	15m 36s		Presenter
P. Rajya Lakshmi	4/30/2022, 10:31:20 AM	1h 39m	paras92@gecgudlavalloorumic.in	Presenter
Dr M R Ch Sastry	4/30/2022, 10:49:29 AM	6m 9s		Presenter
Dr.S.Suresh (Guest)	4/30/2022, 10:52:59 AM	1h 16m		Presenter
Dr. B. Karuna Kumar	4/30/2022, 11:51:51 AM	32m 56s	kkburra62@gecgudlavalloorumic.in	Presenter

### 3. Members discussed about POs and PSOs attainments of 2017 Batch.

2017 Batch POs and PSOs Attainment Report

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
Direct	2.47	2.48	2.48	2.38	2.61	2.54	2.59	2.64	2.75	2.70	2.63	2.50	2.51	2.50
Exit survey	1.92	1.85	1.90	1.86	1.85	1.88	1.78	1.86	1.89	1.86	1.85	1.86	1.90	1.88
Alumni survey	2.62	2.90	2.56	2.68	2.59	2.64	2.65	3.00	2.68	2.53	2.48	2.53	2.63	2.71
CO/EXTRA curricular	-	-	-	-	-	1.00	1.00	1.00	1.16	1.00	1.25	1.33	-	-
Indirect Survey	2.27	2.38	2.23	2.27	2.22	1.84	1.81	1.95	1.91	1.80	1.86	1.91	2.26	2.30
OVERALL (70%D+30%I)	2.41	2.45	2.40	2.35	2.50	2.33	2.35	2.43	2.49	2.43	2.40	2.33	2.44	2.44

- Members opined that four POs are not attained the target level(2.4)
  - Members discussed and opined that the attainment levels of PO4, PO6, PO7 and PO12 are very close to the target level. So, faculty members of courses which are mapped to these low attained POs are advised to take the necessary actions for next batch.
4. Members agreed to keep the target level of POs and PSOs for 2018 Batch as 2.4 (80%) on a scale of 3.
- Committee analyzed attainment levels of POs and PSOs of 2017 Batch and decided to keep the target level for 2018 batch as same as 2017 batch 2.4 on scale of 3 (80%).
5. Members discussed on proposed rubrics to assess COs for 2021 Batch and approved the proposed rubric.

Assessment Methods		Weightage		Final Course Outcome Attainment
Direct Assessment	Continuous Internal Examination	30%	70%	
	Semester End Examination	70%		
Indirect Assessment	Course End Survey	30%		

6. As the attainment levels of POs and PSOs of 2017 Batch are observed, Members opined that changes are not required in PSOs, PEOs, Mission and Vision.

(Dr. CH.KAVITHA)  
HOD-IT, Chairman-BoS

**SESHADRI RAO**  
**GUDLAVALLERU ENGINEERING COLLEGE**  
(An Autonomous Institute with Permanent Affiliation to JNTUK, Kakinada)  
**Seshadri Rao Knowledge Village, Gudlavalleru – 521356.**  
**Department of Information Technology**

**Minutes of the Meeting**

On 30-04-2022 Board of Studies meeting started at 10.10 AM in online platform (Microsoft Teams).

The following points were discussed and resolved.

1. Discussed about the R20 course structure of III ,IV year B.Tech. (IT) and the following suggestions are made by the members.
  - Deep Learning course has to be offered in Professional Elective-II
  - Better to offer M-Commerce Course in Network Security stream of electives.
  - Recommender System Course should be offered in Expert Systems stream of electives.
  - Recommender System Course should be offered after Deep learning Course.
  - Neural Network and Fuzzy Systems may be offered in Professional Elective -I.
  
2. Discussed about the R20 course syllabi of III ,IV year B.Tech. (IT) and the following suggestions are made by the members
  - For every text book prescribed in syllabus should include year or edition.
  - In Advanced Data Structure Course, include splay trees concepts.
  - For Artificial Intelligence Include Recursive DFS in the syllabus & suggested to follow the concepts from text book authored by Stuart Russel.
  - Suggested to follow the concepts from text book Neuro fuzzy Systems by Sun Mizutani and jang for Neural Networks and Fuzzy Systems course.
  - Suggested to follow the concepts from text book authored by Tom M. Mitchel for Machine Learning Course.
  - Selenium and Automation Testing concepts may be included in Software Testing Methodologies Course.

20<sup>th</sup> April 2021

**INVITATION**

From

**Dr.CH.KAVITHA**

Head of the Department

Department of Information Technology

Gudlavalleru Engineering College

It is proposed to conduct Board of Studies (BoS) meeting on 15<sup>th</sup> May 2021 at 10:30 AM, in the office of HOD, IT. In this regard, I invite you to attend the meeting and give your valuable suggestions.

**AGENDA**

1. To finalize the R20 course structure and syllabi of II,III ,IV year B.Tech. (IT).
2. To discuss about POs and PSOs attainments of 2016 Batch.
3. To discuss and finalize target levels of POs and PSOs for 2017 admitted Batch.
4. To present, discuss and finalize rubrics to assess COs for 2020 admitted Batch.
5. To discuss about CO-PO, PSO mappings and Program Articulation matrix.
6. To discuss about justification statement of mapping Mission with PEOs.
7. Any other matter with the permission of the chair.



(Dr. CH.KAVITHA)  
HOD-IT, Chairman-BoS

Copy to : All members of Board of Studies, Information Technology

# GUDLAVALLERU ENGINEERING COLLEGE

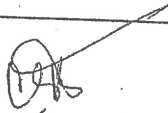
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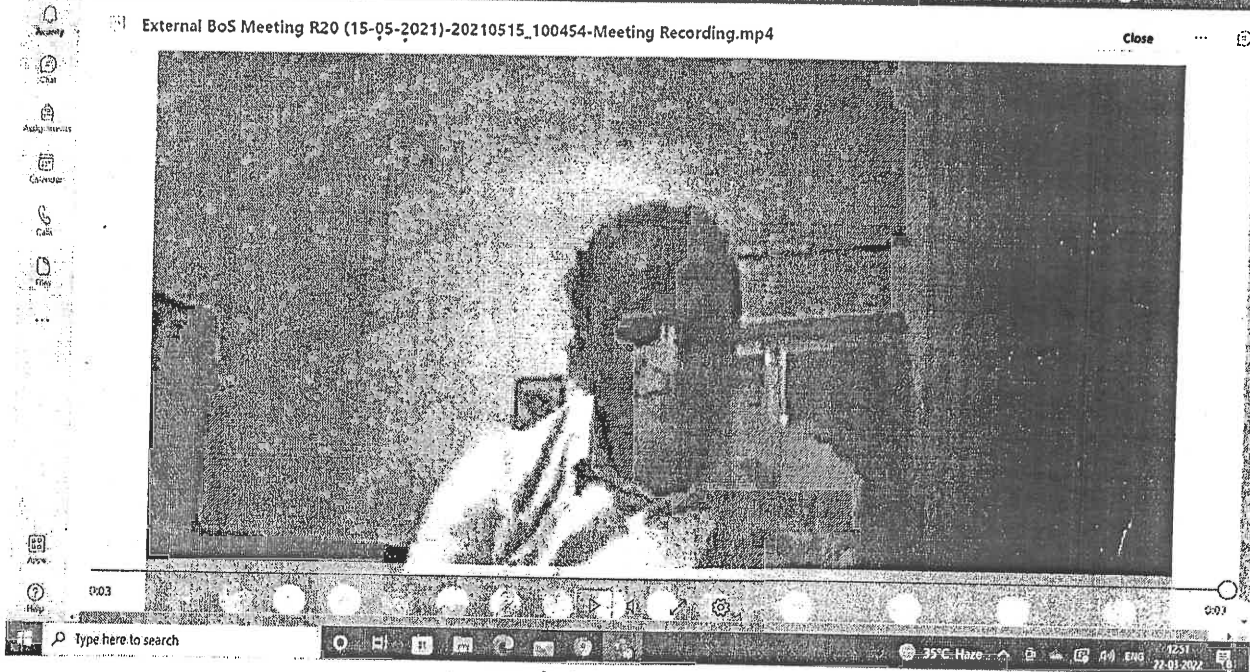
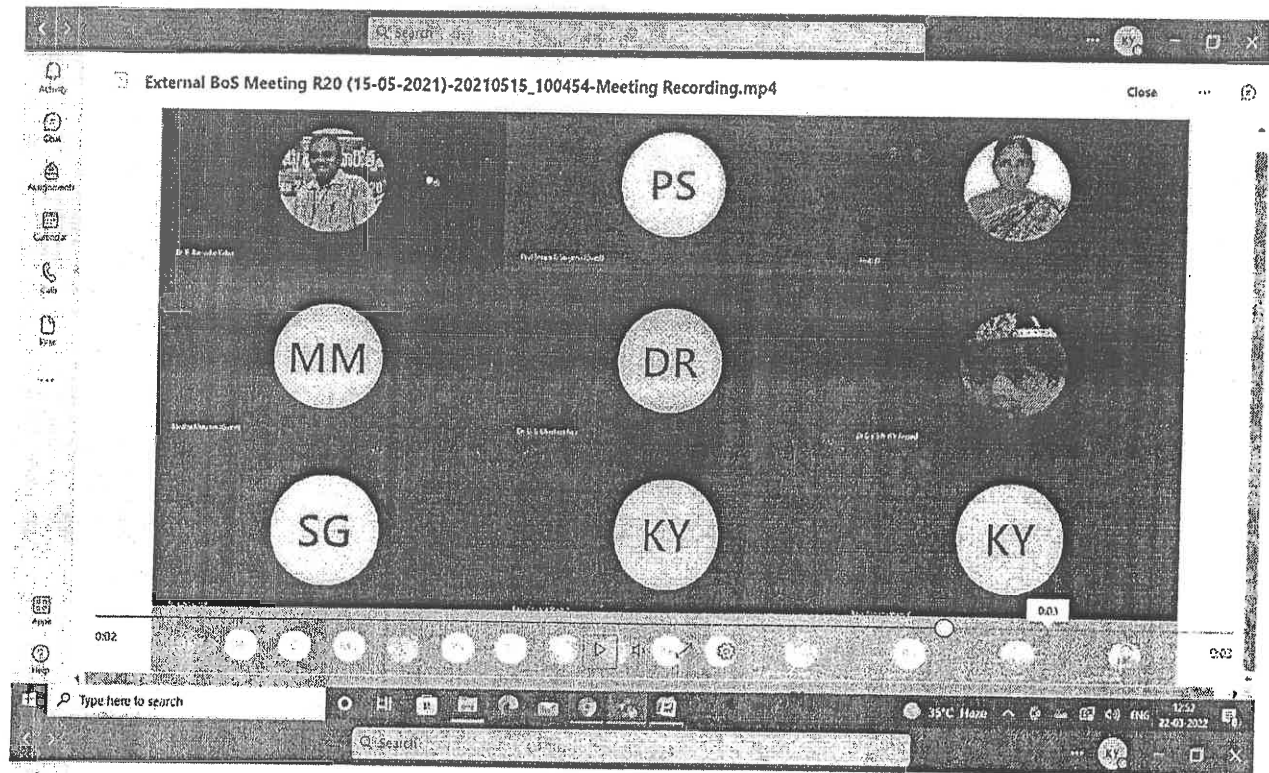
## Department of Information Technology

**EXTERNAL BOARD OF STUDIES MEETING ON 15-05-2021**

**Members Attended the Meeting through Microsoft Teams**

INTERNAL	EXPERTS	OFFICIALS	INVITEES
Dr. M. V. L. N. Raja Rao	D.Rajya Lakshmi (Guest)	Dr. P. Ravindra Babu	Dr. G. S. Bhaskara Rao
Dr CH.Kavitha (Guest)	Prof Sriram G Sanjeevi (Guest)	Dr G V S N R V Prasad	Dr M Babu Rao
Kasi Viswanadham Y	Madhu Mutyam (Guest)	Dr. B. Karuna Kumar	Dr.S.Suresh (Guest)
Suresh Babu Ch	Suresh Gurram (Guest)	Dr. M. R. Ch. Sastry	Narayana Satyala
Srinuvasukumar Battina	Dhara Mahesh	Dr. P. Kodanda Rama Rao	Sivaram Surapuraju
Dr. D N V S L S Indira			D K Pavan Kumar
M. Naga Raju			B Sai Chandana
M. Dileep kumar			P. V. M. Raju
sumallika (Guest)			
I. Lakshmi Narayana			
B. Sobhan babu			
P. Naga sravanthi			
A. Koteswaramma			
P.Rajya Lakshmi			
Ch. Pooja Rani			
M. Divya sumithra			
B. Anand kumar			
K. S. Koushik			
K.Kranthi Kumar (Guest)			
Y N S Satyanarayana			
Ch Venkateswara Rao			

  
(Dr.CH.KAVITHA)  
Chairman-BOS  
HOD,IT



- Content offered in minor courses can be same as regular course content. However the number of periods allotted to the minor course can be more in number compared with regular course.
- Open Source Software can be renamed as Free & Open Source Software.

**2. Members discussed about POs and PSOs attainments of 2016 Batch.**

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
Direct	2.8	2.8	2.8	2.8	2.8	3.0	3.0	2.9	2.9	3.0	2.9	2.9	2.8	2.8
Exit Survey	2.29	2.27	2.29	2.32	2.34	2.34	2.30	2.38	2.37	2.35	2.37	2.38	2.38	2.36
Alumni	2.66	2.67	2.67	2.59	2.74	2.53	2.66	2.53	2.54	2.47	2.62	2.60	2.64	2.64
Indirect	2.47	2.47	2.48	2.45	2.54	2.44	2.48	2.46	2.46	2.41	2.50	2.49	2.51	2.50
Overall	2.74	2.74	2.77	2.77	2.77	2.89	2.90	2.82	2.83	2.88	2.82	2.78	2.76	2.77

- Members opined that all POs and PSOs have reached the target level, Hence the target level must be increased for the next batch.
- Members suggested to include the co-curricular and extra-curricular activities also as part of the indirect assessment for PO6 to PO12.

**3. Members agreed to keep the target level of POs and PSOs for 2017 Batch as 2.4 (80%) on a scale of 3.**

**4. Members discussed on proposed rubrics to assess COs for 2020 Batch and approved the proposed rubric.**

Assessment Methods		Weightage		Final Course Outcome Attainment
Direct Assessment	Continuous Internal Examination	30%	70%	
	Semester End Examination	70%		
Indirect Assessment	Course End Survey	30%		

5. Members reviewed CO-PO, PSO mappings, Program Articulation matrix and suggested the following.

- Map Software Engineering course with PO6 too.
- Object Oriented Analysis & Design course need to map with PO5, PO9, PO10 and PO11 also.
- Managerial Economics and Financial Analysis course need to map with PO8 along with other POs, PSOs mapped.
- In Web Technologies course PO5 also be mapped.
- Computer Networks Lab course need to include PO5 mapping.
- Bigdata Analytics course need to map with PO4 along with other POs mappings.
- All laboratory course outcomes need to be mapped with PO4, PO9 and PO10 along with existing mappings.
- Course outcomes of project (Mini Project, Project and Internship) have to be mapped to all POs and PSOs with appropriate mapping levels.

6. Members discussed about justification of mapping PEOs with Mission statements and suggested the following.

- Include research development component for PEO2 with Mission1 mapping.
- Justification for PEO2 with Mission statement2 could be "The curriculum has a strong communication skill development component and well equipped mechanisms for slow learners to provide enough support in terms of academics".
- Justification for PEO3 with Mission statement3 could be "Students exhibit team-work and leadership qualities with the skills developed in their course of study and able to fulfill industry and societal needs by using emerging tools and technologies".

7. As the attainment levels of POs and PSOs of 2016 Batch are observed, Members opined that change is not required in this year in POs, PSOs, PEOs, Mission and Vision.

  
(Dr. CH.KAVITHA)

HOD-IT, Chairman-BoS

**Head of the Department  
Information Technology**

Seshadri Rao

Gudlavalleru Engineering College  
Seshadri Rao Knowledge Village

# **GUDLAVALLERU ENGINEERING COLLEGE**

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

**Seshadri Rao Knowledge Village, Gudlavalleru – 521356.**

## **Department of Information Technology**

### **Minutes of the Meeting**

On 15-05-2021 Board of Studies meeting started at 10.40 AM in online platform (Microsoft Teams).

The following points were discussed and resolved.

**1. Discussed about the R20 course structure and syllabi of II,III,IV year B.Tech. (IT) and the following suggestions are made by the members**

- Database Management Systems with Lab should be in II-II instead of II-I.
- Principles of Software Engineering can be moved to III-I and
- FLAT subject can be in II-I.
- Web Technologies with lab can be in III-II instead of II-II.
- Only MOOCs can be offered exclusively in a semester. It should not be combined with mini project.
- As part of Honor/Minors degree courses, it is better to offer two MOOCs two credits each instead of offering one MOOCs and one Lab course.
- Summer internship after II-II and III-II can be evaluated in III-I and IV-I respectively.
- In Minor course list Design and Analysis of Algorithm is more useful rather than Operating Systems.
- In Honors course list Evolutionary Algorithms is more appropriate than Genetic Algorithms.
- Biometric course should include Algorithms related to implementation of the various biometrics.
- AI & AI Lab syllabus need to be changed with respect to standard text books.
- Game theory can be included in Artificial Intelligence track and Quantum Computing can be offered as Open elective.
- In minors courses all subject can be more number of hours but content can be same as regular course.

R12

**GUDLAVALLERU ENGINEERING COLLEGE**

(AN AUTONOMOUS INSTITUTE WITH PERMANENT AFFILIATION TO JNTUK, KAKINADA)  
Seshadri Rao Knowledge Village, Gudlavalleru

DEPARTMENT OF INFORMATION TECHNOLOGY

26<sup>th</sup> February 2020

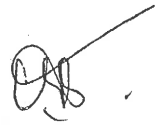
CIRCULAR

It is proposed to conduct Board of studies Meeting on 2<sup>nd</sup> March 2020 in Object Oriented Systems Lab to finalize course structure and syllabus of I B.Tech. and design the tentative course structure of II, III & IV year for our UG course B.Tech. (Information Technology) R20 Regulation.

Hence all the Staff members are requested to attend the meeting without fail. Members having class work or any other duties are requested to adjust it.

AGENDA

- 1) To finalize the R20 course structure and syllabi of I, II, III & IV B.Tech. Information Technology.
- 2) To finalize syllabus, objectives and outcomes of the I year courses.
- 3) Any other matter

  
(Dr.Ch.Kavitha)  
HOD, IT

# GUDLAVALLERU ENGINEERING COLLEGE

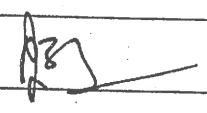

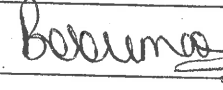
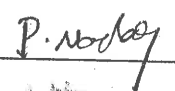
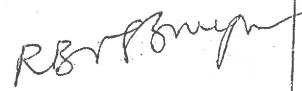
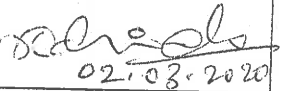
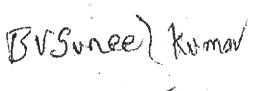


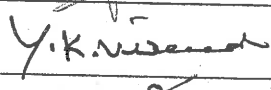
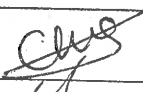
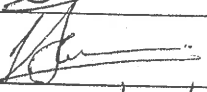
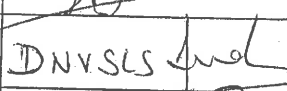
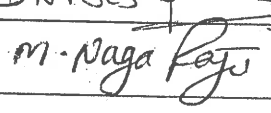

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


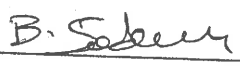
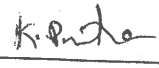

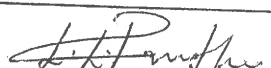

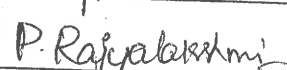


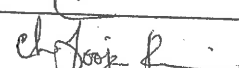
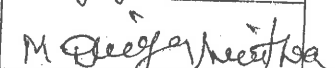

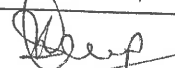
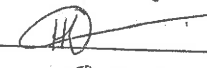
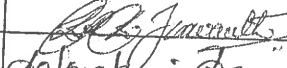
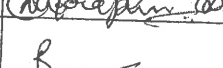
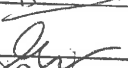
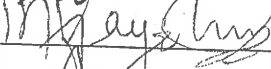
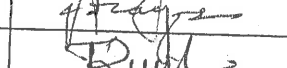
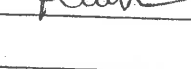

## DEPARTMENT OF INFORMATION TECHNOLOGY

(Academic Year: 2019-2020)

Dt. 02.03.2020

*R20*  
Members present for the Board of Studies (BoS) meeting held on 02-03-2020

S.No.	Name	Designation	Status in BoS	Signature
1	Dr. P.RAVINDRA BABU	Principal	Invitee	
2	Dr. G.V.S.N.R.V.PRASAD	Vice Principal- Academics	Invitee	
3	Dr. B.KARUNA KUMAR	Vice Principal – Administration	Invitee	
4	Dr. P.NAGESWARA REDDY	Director, AS&A	Invitee	
5	Dr. MADHU MUTYAM	Professor Department of Computer Science, Indian Institute of Technology, Madras	Subject expert	<i>Attended in online mode through Skype</i>
6	Dr. R. B. V. SUBRAHMANYAM	Professor Department of Computer Science and Engineering, National Institute of Technology Warangal, Warangal.	Subject expert	
7	Dr. K.SAHADDEVIAIAH	Professor, Department of CSE, JNTUK, Kakinada	Subject expert	 02.03.2020
8	Mr. B.V.SUNEEL KUMAR	Sr. Software Engineer Cubic Transportation system, Hyderabad	Alumni from Industry	
9	Dr. CH.KAVITHA	Professor & HOD	Chairman	
10	Dr. M.V.L.N.RAJA RAO	Professor & Mentor AS&A	Member	
11	Sri Y.K.VISWANADHAM	Associate Professor	Member	
12	Dr. CH.SURESH BABU	Associate Professor	Member	
13	Sri B.SRINUVASUKUMAR	Associate Professor	Member	
14	Dr. D.N.V.S.L.S.INDIRA	Associate Professor	Member	
15	Sri M.NAGA RAJU	Assistant Professor	Member	
16	Smt. CH.SUGUNA LATHA	Assistant Professor	Member	
17	Sri T.K.K.PRANEETH	Assistant Professor	Member	

S.No.	Name	Designation	Status in BoS	Signature
18	Mr. M.DILEEP KUMAR	Assistant Professor	Member	
19	Smt. T.SUMALLIKA	Assistant Professor	Member	
20	Mr. I.LAKSHMI NARAYANA	Assistant Professor	Member	
21	Mr. B.SOBHAN BABU	Assistant Professor	Member	
22	Ms. K.PRANEETHA	Assistant Professor	Member	
23	Mr. M V N S S R K SAI SOMAYAJULU	Assistant Professor	Member	
24	Ms. L.LAKSHMI PRANEETHA	Assistant Professor	Member	
25	Smt. P.NAGA SRAVANTHI	Assistant Professor	Member	
26	Ms. P.RAJYA LAKSHMI	Assistant Professor	Member	
27	Smt. A.KOTESWARAMMA	Assistant Professor	Member	
28	Ms. B.RAJA RAJESWARI	Assistant Professor	Member	
29	Smt. CH.POOJA RANI	Assistant Professor	Member	
30	Smt. M.DIVYA SUMITHRA	Assistant Professor	Member	
31	Mr. B. ANAND KUMAR	Assistant Professor	Member	
32	Mr. K S KOUSIK	Assistant Professor	Member	
33	HEMANTH KUMAR T	Asst. Prof., MBA	"	
34	Mr. B.R.B. Jeyanth	Asst. Prof. ECE	"	
35	Dr. ch. Chakrapani	Asst. Prof. BSI	"	
36	V. Redha Ramani	Asst. Prof, BSA	"	
37	Dr. G. S. BHASKARA RAO	Prof & HOD of BSA	"	
38	M. Vijaya Lakshmi	Assoc prof English	"	
39	Dr. S. Narayana	Professor & HOD, CSE	"	
40	T. Priyanka	Asst. prof, CSE	"	

(Dr.CH.KAVITHA)  
H.O.D, IT

# GUDLAVALLERU ENGINEERING COLLEGE

Seshadrirao Knowledge Village, GUDLAVALLERU

DEPARTMENT OF INFORMATION TECHNOLOGY

THE BOARD OF STUDIES MEETING

Minutes of the meeting (9.30 AM, 2<sup>nd</sup> March 2020)

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- BoS Chairman Initiated the meeting
- The Principal has given general guidelines of R20 Curriculum

## Suggestions by Experts:

- Suggested to offer 7 professional electives.
- Number of Engineering science credits can be 24 instead of 29
- Minor degree can be awarded if they obtain one-third of the total credits allocated for PE and PC courses.
- Suggested to keep Distributed System and Data sciences as core courses.
- Introduce Cryptography & Network Security Lab
- Credits should be function of no.of hours
- Gate syllabus related subjects need to cover in course structure
- Linux lab and MAD lab included after or along with Operating Systems subject
- Micro controller topics can be included in Computer organization and architecture and remove MPMC Subject.

*B.V.Suneel Kumar*

(Mr.B.V.Suneel Kumar)  
Alumni Member

*R.B.V.Subramaanyam*

(Dr.R.B.V.Subramaanyam)  
Subject Expert

*K.Sahadevaiah*

(Dr.K.Sahadevaiah)  
Subject Expert



# GUDLAVALLERU ENGINEERING COLLEGE

(An Autonomous Institute with Permanent Affiliation to JNTUK, Kakinada)  
Seshadri Rao Knowledge Village  
Gudlavalleru - 521 356, Krishna District, Andhra Pradesh

R12 MBA

## DEPARTMENT OF BUSINESS AND MANAGEMENT STUDIES

### Minutes of Meeting

Dt. 04-01-2017.

The First Internal Board of Studies Meeting held on Dt.04-01-2017 in the chamber of HOD at 10.30 am.

#### Agenda:

1. To review existing course structure (R14) and come out with recommendations for R17 regulations.
2. To decide the courses as per industry requirements.
3. To review Programme Outcomes and make necessary recommendations.

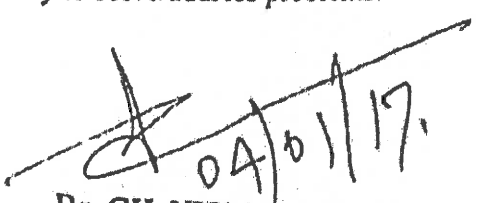
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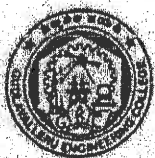
#### After thorough discussion it is resolved that:

- It is decided to come out with courses that enhance employability / opportunities for students
- To introduce new courses such as sales & Distribution Management, E -Business, Training & Development, Compensation Management in view of growing opportunities for better placements / openings in Present era.

#### Program Outcomes:

1. Apply knowledge of management theories and practices to solve business problems.
2. Foster Analytical and critical thinking abilities for data-based decision making.
3. Ability to develop Value based Leadership ability.
4. Ability to understand, analyze and communicate global, economic, legal, and ethical aspects of business.
5. Ability to lead themselves and others in the achievement of organizational goals, contributing effectively to a team environment.
6. Knowledge of business can be developed in a dynamic and creative way to solve/address problems.

  
04/01/17.  
Dr. CH. NIRMAL CHAND  
Head of the Department



# GUDLAVALLERU ENGINEERING COLLEGE

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

Seshadri Rao Knowledge Village

Gudlavalleru - 521 356, Krishna District, Andhra Pradesh

## DEPARTMENT OF BUSINESS AND MANAGEMENT STUDIES

Dt. 15-04-2017.

### Circular

The Second Internal Board of Studies Meeting for the Academic Year 2016-17 is scheduled to be held on DL 17<sup>th</sup> April 2017 at 11.00 AM in the Chamber of HOD, Department of Business and Management Studies.

#### Agenda:

1. To make a decision regarding the courses which were discussed in External BOS.
2. To finalise Programme Outcomes and make necessary recommendations.

Any other matter with the permission of the chair.

You are requested to make it convenient to attend the meeting without fail.

S.No.	Name	Designation	Position	Signature
1	Mr. G. Kamal	Asst. Professor	Member	
2	Ms. S. Madhavi	Asst. Professor	Member	
4	Ms. Ch. Naga Ramya Kiran	Asst. Professor	Member	
5	Ms. Y. V. Naga Kumari	Asst. Professor	Member	Y. V. Naga Kumari
6	Mr. K. Susmitha	Asst. Professor	Member	K. Susmitha
7	Mr. Vinod Mutyala	Asst. Professor	Member	
8	Mr. S. Ramesh Babu	Asst. Professor	Member	
9	Ms. T. S. Leelavathi	Asst. Professor	Member	
10	Mr. K. Prudhvi Raj	Asst. Professor	Member	K. Prudhvi Raj
11	Mr. T. Hemanth Kumar	Asst. Professor	Member	
12	Ms. A. Asha	Asst. Professor	Member	
13	Mr. P. V. M. Raju	Asst. Professor	Member	

Dr. CH. NIRMAL CHAND  
Head of the Department



# GUDLAVALLERU ENGINEERING COLLEGE

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Seshadri Rao Knowledge Village  
Gudlavalleru - 521 356, Krishna District, Andhra Pradesh

## DEPARTMENT OF BUSINESS AND MANAGEMENT STUDIES

### Minutes of Meeting

Dt. 17-04-2017.

The Second Internal Board of Studies Meeting held on Dt. 17-04-2017 in the chamber of HOD at 11.00 AM.

#### Agenda:

1. To make a decision regarding the courses which were discussed in External BOS.
2. To finalise Programme Outcomes and make necessary recommendations.

Any other matter with the permission of the chair.

#### After thorough discussion it is resolved that:

- It is decided to come out with courses that enhance employability / opportunities for students.
- Finalised the following six Programme Outcomes (POs).

#### Program Outcomes:

1. Apply knowledge of management theories and practices to solve business problems.
2. Foster Analytical and critical thinking abilities for data-based decision making.
3. Ability to develop Value based Leadership ability.
4. Ability to understand, analyze and communicate global, economic, legal, and ethical aspects of business.
5. Ability to lead themselves and others in the achievement of organizational goals, contributing effectively to a team environment.
6. Knowledge of business can be developed in a dynamic and creative way to solve/address problems.

  
17/04/17.  
Dr. CH. NIRMAL CHAND  
Head of the Department



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## DEPARTMENT OF BUSINESS AND MANAGEMENT STUDIES

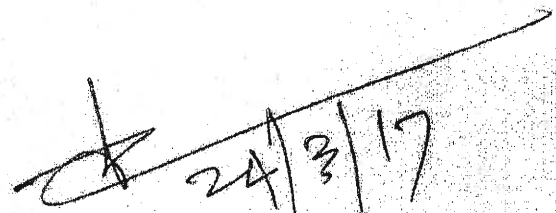
Dt.24-03-2017.

Board of Studies Meeting will be held on Dt:25-03-2017 in the Department of Business and Management Studies at 10:00 am.

### Agenda:

1. To identify the common subjects pertaining to R-17 regulations for MBA programme.
2. Any other matter with the permission of the chair.

All the members are requested to attend the meeting without fail.

 24/3/17

Dr. CH. NIRMAL CHAND  
Head of the Department



# **GUDLAVALLERU ENGINEERING COLLEGE**

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Seshadri Rao Knowledge Village  
Gudlavalleru – 521 356, Krishna District, Andhra Pradesh

## **DEPARTMENT OF BUSINESS AND MANAGEMENT STUDIES**

### **Minutes of Meeting**

**Dt.25<sup>th</sup> March, 2017.**

**The External Board of Studies Meeting held on Dt: 25-03-2017 in the Dept. of MBA at 10.00 am.**

#### **Agenda:**

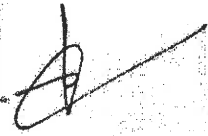
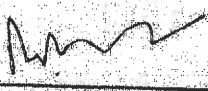
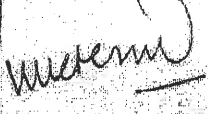
- 1. To identify the courses pertaining to R-17 regulations for MBA Programme.**
- 2. To review Programme Outcomes.**
- 3. Any other matter with the permission of the chair.**

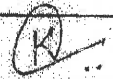
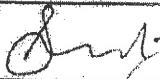





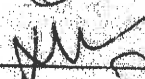
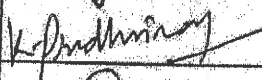


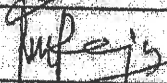
**After thorough discussion, the following resolutions are made in the BOS meeting held on Dt. 25-03-2017 for subsequent implementation.**

- 1. The paper "Sales and Distribution Management" instead of the paper "International Business" in the fourth semester and the paper "E-Business" to be included in the third semester instead of "Knowledge Management".**
- 2. The paper "Training and Development" instead of the paper "Global HRM" in third semester and "Compensation Management" instead of "Performance Management" to be included in fourth semester.**
- 3. The Programme Outcomes are reviewed which were discussed in First Internal BOS.**

**All the members approved the curriculum and course structure after thorough discussion and the above changes would be effective from the Academic Year 2017-2018.**

**Contd..2..**

S, No.	Name of the BOS Member	Designation	Position	Signature
1	Dr.Ch.Nirmal Chand	Professor & HOD PG Dept. of Business Administration Gudlavalleru Engineering College Gudlavalleru	Chairman	
2	Dr. B. Mohana Venkataram	Professor and Director International Relations Department of Commerce and Management Studies College of Commerce and Management Studies, College of Arts and Commerce, Andhra University, Visakhapatnam - 530 003.	Member (Subject Expert)	
3	Prof. M. Madhusudhana Rao	Professor & Head Dept. of Commerce & Management Studies Andhra University, Visakhapatnam - 530 003	Member (Subject Expert)	
4	Dr. B.E.V.V.N.Murthy	Visiting Profesor, Gitam University, Visakhapatnam.	Member (Subject Expert)	
5	Sri K. Kanaka Kumar Chand	Chief Executive Officer Reliable Coal and Allied Marine Services, Visakhapatnam - 530 003.	Member (Representative from Industry)	
6	Sri P. Sheshu Babu	Professor Associate - Investment Banking GENPACT India Ltd. 3 <sup>rd</sup> & 4 <sup>th</sup> Floor, Block 2, DIF Cyber City, Plot No.129-132, Gachibowli, Hyderabad - 500 032.	Member (Aluminus)	Could not attend

S. No.	Name	Designation	Position	Signature
7	Mr. G. Kamal	Asst. Professor	Member	
8	Ms. S. Madhavi	Asst. Professor	Member	
10	Ms. Ch. Naga Ramya Kiran	Asst. Professor	Member	
11	Ms. Y. V. Naga Kumari	Asst. Professor	Member	
12	Ms. K. Susmitha	Asst. Professor	Member	
13	Mr. Vinod Mutyala	Asst. Professor	Member	
14	Mr. S. Ramesh Babu	Asst. Professor	Member	
15	Ms. T. S. Leelavathi	Asst. Professor	Member	
16	Mr. K. Prudhyi Raj	Asst. Professor	Member	
17	Mr. T. Hemanth Kumar	Asst. Professor	Member	
18	Ms.A.Asha	Asst. Professor	Member	
19	Mr.P.V.M.Raju	Asst. Professor	Member	

# **GUDLAVALLERU ENGINEERING COLLEGE**

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

Seshadri Rao Knowledge Village

Gudlavallera - 521 356, Krishna District, Andhra Pradesh

R20 MBA

## **Department of Business and Management Studies**

01.23<sup>rd</sup> January, 2020.

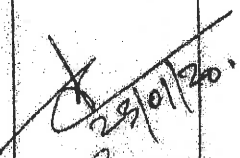

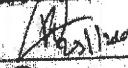


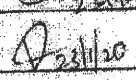
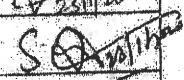
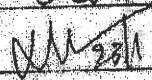

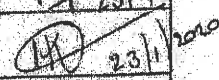
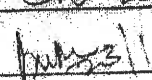
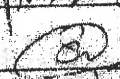
Board of Studies Meeting held on Dt: 23-01-2020 in the chamber of HOD at 10.30 am.

### **Agenda:**

1. To review existing specialisations and come out with recommendations / suggestions for R20 regulations.
2. To decide the courses as per AICTE list of specialisations.
3. Any other matter with the permission of the chair.

After thorough discussion it is resolved that,

- In R-20 regulations, it is decided to come out with specialisations that help enhance employability/opportunities for students.
- To introduce **Retailing Management (RM)** and **Logistics and Supply Chain Management (LSCM)** as additional specialisations in view of growing opportunities, for better placements / openings in logistics and Retailing.

S. No.	Name of the BOS Member	Designation	Position	Signature
1	Dr.Ch.Nirmal Chand	Professor & Head, Dept. of Business and Management Studies, Gudlavalleru Engineering College, Gudlavalleru	Chairman	 23/01/20.
2	Dr. S. Madhavi	Assoe. Prof.	Member	 23/1
3	Mr. G. Kamal	Asst. Prof.	Member	 23/1/20.
4	Ms. Y. V. Naga Kumari	Asst. Prof.	Member	 23/1/20
5	Ms. K. Susmitha	Asst. Prof.	Member	 23/1/20
6	Mr. Vinod Mutyala	Asst. Prof.	Member	 23/1/20
7	Dr. S. Ramesh Babu	Asst. Prof.	Member	 23/1/20
8	Ms. T. S. Leelavati	Asst. Prof.	Member	 23/1
9	Mr. K. Prudhvi Raj	Asst. Prof.	Member	 23/1/2020
10	Mr. T. Hemanth Kumar	Asst. Prof.	Member	 23/1/2020
11	Mr. P.V.M.Raju	Asst. Prof.	Member	 23/1
12	Ms. T.V.S.S. Swathi	Asst. Prof.	Member	 23/1/20

# **GUDLAVALLERU ENGINEERING COLLEGE**

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

Seshadri Rao Knowledge Village

Gudlavalleru - 521 356, Krishna District, Andhra Pradesh

**Department of Business and Management Studies**

Dt.13-02-2020.

The First Board of Studies Meeting for the Academic Year 2020-21 is scheduled to be held on Dt.14-02-2020 at 10.30 AM in the Department of Business and Management Studies, Gudlavalleru Engineering College, Gudlavalleru.

**Agenda:**

1. To review existing specialisations and add new enhancing value addition / employment.
2. With reference the above, to decide the courses as per AICTE list of Specialisations.
3. To revise credit structure.
4. To discuss and finalise the course structure of MBA programme as per R20 regulations.

Any other matter with the permission of the chair.

  
13/02/20.  
**Dr. CH. NIRMAL CHAND**  
Head of the Department

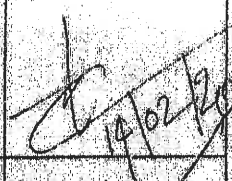
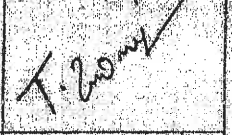
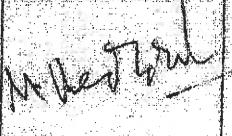
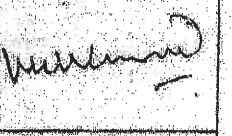
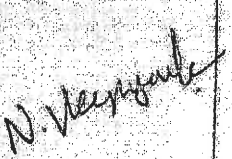
Dt. 14<sup>th</sup> February, 2020.

Board of Studies Meeting held on Dt: 14-02-2020.






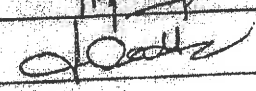
## Agenda:

1. To review existing specialisations and add new enhancing value addition / employment.
  2. With reference the above, to decide the courses as per AICTE list of Specialisations.
  3. To revise credit structure.
  4. To discuss and finalise the course structure of MBA programme as per R20 regulations.
- Any other matter with the permission of the chair.

The following Members are present for the Board of Studies (BOS) Meeting.

S. No.	Name of the BOS Member	Designation	Position	Signature
1	Dr. Ch. Nirmal Chand	Professor & Head, Dept. of Business and Management Studies, Gudlavalluru Engineering College, Gudlavalluru	Chairman	
2	Dr. T. Umamaheshwara Rao	Professor, University College of Arts, Commerce and Law, Acharya Nagarjuna University Nagarjuna Nagar.	Member (Subject Expert)	
3	Prof. M. Madhusudhana Rao	Professor, Dept. of Commerce & Management Studies Andhra University, Visakhapatnam - 530 003	Member (University Nominee)	
	Dr. R. Siva Ram Prasad	Professor and Head, Dept. of Commerce and Management Studies, Acharya Nagarjuna University, Nagarjuna Nagar.	Member (Subject Expert)	—
5	Sri Kolavennu K K Chand.	Managing Director, M/s. Magic Tree Info Solutions Pvt. Ltd., D.NO.30-15-139, First Floor, Rama Arcade, Daba Gardens, Visakhapatnam.	Member (Representative from Industry)	
6	Sri N. Veeraanjaneyulu	Process Specialist, Infosys Ltd., Electronics City, Flat No.44, Hosur Road, Bangalore - 560 100, Karnataka.	Member (Alumnus)	

Contd..2..

S. No.	Name	Designation	Position	Signature
7	Mr. G. Kamal	Asst. Professor	Member	
8	Dr. S. Madhavi	Asst. Professor	Member	
9	Ms. Y. V. Naga Kumari	Asst. Professor	Member	Y.V. Naga Kumari
10	Ms. K. Susmitha	Asst. Professor	Member	K. Susmitha
11	Mr. Vinod Mutyala	Asst. Professor	Member	
12	Dr. S. Ramesh Babu	Asst. Professor	Member	
13	Ms. T. S. Leelavathi	Asst. Professor	Member	T. S. Leelavathi
14	Mr. K. Prudhvi Raj	Asst. Professor	Member	K. Prudhvi Raj
15	Mr. T. Hemanth Kumar	Asst. Professor	Member	
16	Mr. P.V.M.Raju	Asst. Professor	Member	
17	Ms. T.V.S.S. Swathi	Asst. Professor	Member	

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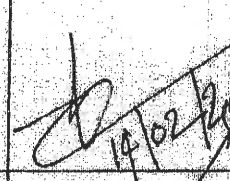
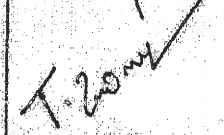
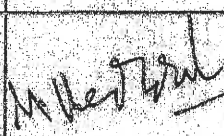
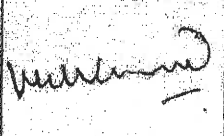
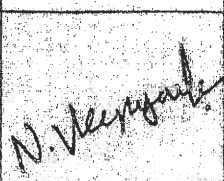
**Department of Business and Management Studies**Dt. 14<sup>th</sup> February, 2020.

Board of Studies Meeting held on Dt:14-02-2020.


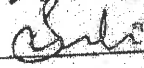

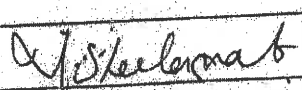

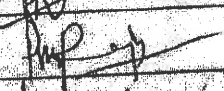

**Agenda:**

1. To review existing specialisations and add new enhancing value addition / employment.
  2. With reference the above, to decide the courses as per AICTE list of Specialisations.
  3. To revise credit structure.
  4. To discuss and finalise the course structure of MBA programme as per R20 regulations.
- Any other matter with the permission of the chair.

The following Members are present for the Board of Studies (BOS) Meeting.

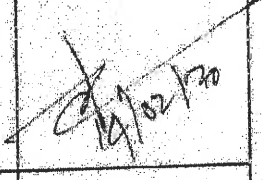
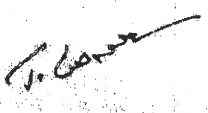
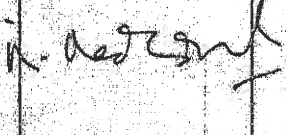
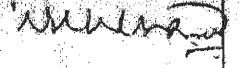
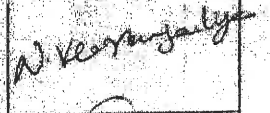
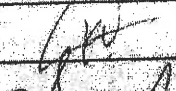


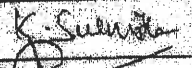


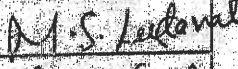




S. No.	Name of the BOS Member	Designation	Position	Signature
1	Dr. Ch. Nirmal Chand	Professor & Head, Dept. of Business and Management Studies, Gudlavalleru Engineering College, Gudlavalleru	Chairman	
2	Dr. T. Umamaheshwara Rao	Professor, University College of Arts, Commerce and Law, Acharya Nagarjuna University Nagarjuna Nagar.	Member (Subject Expert)	
3	Prof. M. Madhusudhana Rao	Professor, Dept. of Commerce & Management Studies Andhra University, Visakhapatnam - 530 003	Member (University Nominee)	
	Dr. R. Siva Ram Prasad	Professor and Head, Dept. of Commerce and Management Studies, Acharya Nagarjuna University, Nagarjuna Nagar.	Member (Subject Expert)	—
5	Sri Kolavennu K K Chand.	Managing Director, M/s. Magic Tree Info Solutions Pvt.Ltd., D.NO.30-15-139, First Floor, Rama Arcade, Daba Gardens, Visakhapatnam.	Member (Representative from Industry)	
6	Sri N. Veeraanjaneyulu	Process Specialist, Infosys Ltd., Electronics City, Flat No.44, Hosur Road, Bangalore - 560 100. Karnataka.	Member (Alumnus)	

Contd..2..

S. No.	Name	Designation	Position	Signature
7	Mr. G. Kamal	Asst. Professor	Member	
8	Dr. S. Madhavi	Asst. Professor	Member	
9	Ms. Y. V. Naga Kumari	Asst. Professor	Member	Y.V. Naga Kumari
10	Ms. K. Susmitha	Asst. Professor	Member	K. Susmitha
11	Mr. Vinod Mutyala	Asst. Professor	Member	
12	Dr. S. Ramesh Babu	Asst. Professor	Member	
13	Ms. T. S. Leelavathi	Asst. Professor	Member	
14	Mr. K. Prudhvi Raj	Asst. Professor	Member	K. Prudhvi Raj
15	Mr. T. Hemanth Kumar	Asst. Professor	Member	
16	Mr. P.V.M.Raju	Asst. Professor	Member	
17	Ms. T.V.S.S. Swathi	Asst. Professor	Member	

\*\*\*

The members given their acceptance to the resolution in the form of the signatures.,

S. No.	Name of the BOS Member	Designation	Position	Signature
1	Dr.Ch.Nirmal Chand	Professor & Head, Dept. of Business and Management Studies, Gudlavalleru Engineering College, Gudlavalleru	Chairman	
2	Dr. T. Umamaheshwara Rao	Professor, University College of Arts, Commerce and Law, Acharya Nagarjuna University Nagarjuna Nagar.	Member (Subject Expert)	
3	Prof. M. Madhusudhana Rao	Professor, Dept. of Commerce & Management Studies Andhra University, Visakhapatnam - 530 003	Member (University Nominee)	
4	Dr. R. Siva Ram Prasad	Professor and Head, Dept. of Commerce and Management Studies, Acharya Nagarjuna University, Nagarjuna Nagar.	Member (Subject Expert)	-
5	Sri Kolavennu K K Chand.	Managing Director, M/s. Magic Tree Info Solutions Pvt.Ltd., D.NO.30-15-139. First Floor, Rama Arcade, Daba Gardens. Visakhapatnam.	Member (Representative from Industry)	
6	Sri N. Veerananjanayulu	Process Specialist, Infosys Ltd., Electronics City, Flat No.44, Hosur Road, Bangalore - 560 100. Karnataka.	Member (Alumnus)	
7	Mr. G. Kamal	Asst. Professor	Member	
	Dr. S. Madhavi	Asst. Professor	Member	
9	Ms. Y. V. Naga Kumari	Asst. Professor	Member	
10	Ms. K. Susmitha	Asst. Professor	Member	
11	Mr. Vinod Mutyala	Asst. Professor	Member	
12	Dr. S. Ramesh Babu	Asst. Professor	Member	
13	Ms. T. S. Leelavathi	Asst. Professor	Member	
14	Mr. K. Prudhvi Raj	Asst. Professor	Member	
15	Mr. T. Hemanth Kumar	Asst. Professor	Member	
16	Mr. P.V.M.Raju	Asst. Professor	Member	
17	Ms. T.V.S.S. Swathi	Asst. Professor	Member	

# GUDLAVALLERU ENGINEERING COLLEGE

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

Seshadri Rao Knowledge Village

Gudlavalleru - 521 356, Krishna District, Andhra Pradesh

Department of Business and Management Studies

Dr. 14<sup>th</sup> February, 2020.

Board of Studies Meeting held on Dt:14-02-2020.

## Agenda:

1. To review existing specialisations and add new enhancing value addition / employment.
2. With reference the above, to decide the courses as per AICTE list of Specialisations.
3. To revise credit structure.
4. To discuss and finalise the course structure of MBA programme as per R20 regulations.

Any other matter with the permission of the chair.

After thorough discussion, the following resolutions are made in the BOS meeting for subsequent implementation.

1. It is discussed and resolved that the department will have the traditional three (3) specialisations i.e. HR, Marketing and Finance in order to accommodate the growing needs of Management Students and the following papers are suggested to be included.
  - i) ~~"Retailing Management"~~ instead of "E-Business" in Third Semester and ~~"E-Retailing"~~ to be included in Fourth Semester.
  - ii) ~~"HR Analytics"~~ instead of "Training and Development" in Third Semester.
2. The total credits are to be increased from ninety (90) to one hundred and twenty one (121) based on the number of hours of instruction.
3. The existing course structure is discussed thoroughly and the above changes would take care of the requirements of MBA programme from the Academic Year 2020-2021.

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**GUDLAVALLERU ENGINEERING COLLEGE**  
(An Autonomous Institute with Permanent Affiliation to JNTUK, Kakinada)  
Seshadri Rao Knowledge Village  
Gudlavalleru - 521 356, Krishna District, Andhra Pradesh

**Department of Business and Management Studies**

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Dt. 9<sup>th</sup> June 2020.

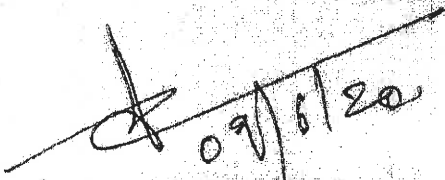
Circular

The second Internal Board of Studies Meeting for the Academic Year 2020-2021 is scheduled to be held on Dt. 10<sup>th</sup> June, 2020 at 10.30 am in the chamber of HOD, Department of Business and Management Studies.

**Agenda:**

1. To finalise the course structure of MBA programme for R20 regulations.
2. To review and revise vision, mission and PEO statements.

Any other matter with the permission of the chair.

  
(Dr. Ch. NIRMAL CHAND)  
Head of the Department

**GUDLAVALLERU ENGINEERING COLLEGE**  
(An Autonomous Institute with Permanent Affiliation to JNTUK, Kakinda)  
Seshadri Rao Knowledge Village  
Gudlavalleru - 521 356, Krishna District, Andhra Pradesh

**Department of Business and Management Studies**

Dt. 10<sup>th</sup> June 2020.

Board of Studies Meeting held on Dt: 10-06-2020 in the chamber of HOD at 10.00 am.

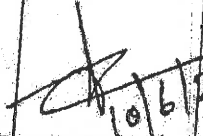
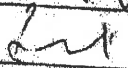
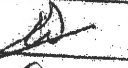




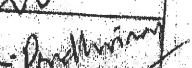


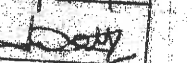

**Agenda:**

1. To finalise the course structure of MBA programme for R20 regulations.
  2. To review and revise vision, mission and PEO statements.
- Any other matter with the permission of the chair.

After thorough discussion, the following resolutions are made in the BOS meeting held on Dt: 10-06-2020 for subsequent implementation.

1. It is decided that the department will have the traditional three (3) specialisations i.e. Human Resource (HR), Marketing and Finance and the following papers are finalised to be included.
  - i) The paper "Retailing Management" instead of the paper "E-Business" in third semester and the paper "Management of Retail Operations" to be included in fourth semester as it meets the job market requirement.
  - ii) The paper "HR Analytics" instead of paper "Training and Development" in third semester.
2. All the members approved the curriculum and course structure after thorough discussion and the above changes would be effective from the academic year 2021-2022.
3. There are certain changes incorporated in Mission and PEOs after thorough review and revision of Vision, Mission and PEO statements.

Contd..2..

S. No.	Name of the BOS Member	Designation	Position	Signature
1	Dr.Ch.Nirmal Chand	Professor & Head, Dept. of Business and Management Studies, Gudlavalluru Engineering College, Gudlavalluru	Chairman	
2	Dr. S. Madhavi	Assoc. Prof.	Member	
3	Mr. G. Kamal	Asst. Prof.	Member	
4	Ms. Y. V. Naga Kumari	Asst. Prof.	Member	
5	Ms. K. Susmitha	Asst. Prof.	Member	
6	Mr. Vinod Mutyala	Asst. Prof.	Member	
7	Dr. S. Ramesh Babu	Asst. Prof.	Member	
8	Ms. T. S. Leelavati	Asst. Prof.	Member	
9	Mr. K. Prudhvi Raj	Asst. Prof.	Member	
10	Mr. T. Hemanth Kumar	Asst. Prof.	Member	
11	Mr. P.V.M.Raju	Asst. Prof.	Member	
12	Ms. T.V.S.S. Swathi	Asst. Prof.	Member	

**GUDLAVALLERU ENGINEERING COLLEGE: GUDLAVALLERU****DEPARTMENT OF BASIC SCIENCES & HUMANITIES****MATHEMATICS B.O.S****MINUTES**

**The B.O.S. Members recommended the following changes in UG & PG Courses.**

**UG Courses****I B.TECH I SEM [ ALL BRANCHES]**

There should be two different papers to two different groups. One paper with the title "LINEAR ALGEBRA & DIFFERENTIAL EQUATIONS" for CE/EEE/ME/ECE branches.

Another paper with the title "LINEAR ALGEBRA & INTEGRAL TRANSFORMS" for CSE/IT.

For the above two papers, in UNIT- 1, LU – Decomposition is included.

---

B.S. Padmavathi

Signature of the subject expert  
(Dr. B.S.Padmavathi)

Prof. & Dean, School of Mathematics & Statistics,  
University of Hyderabad, Hyderabad



Signature of the subject expert  
(Dr. Debashis Dutta)

HOD & Professor  
Dept. of Mathematics, NIT Warangal

**GUDLAVALLERU ENGINEERING COLLEGE: GUDLAVALLERU****DEPARTMENT OF BASIC SCIENCES & HUMANITIES****MATHEMATICS B.O.S****MINUTES****CIVIL BRANCH****I B.TECH I SEM**

In "LINEAR ALGEBRA & DIFFERENTIAL EQUATIONS", in UNIT- 4, Euler - Cauchy differential equation is introduced.

**I B.TECH II SEM**

In " Integral transforms & Multiple Integrals " , Fourier Series topic is deleted. Multiple Integrals kept in 4<sup>th</sup> unit. Vector Differentiation is kept as 5<sup>th</sup> unit and Vector integration is in 6<sup>th</sup> Unit.

**II B.TECH I SEM**

In "Numerical & Statistical Method", in UNIT - 5 : Binomial & Poisson Distribution topics are suggested as to be reviewed. In the same unit, Correlation and linear Regression topics are introduced. In UNIT - 6 : Chi - Squared test for independence of attributes is deleted.

B. S. Padmavathi

Signature of the subject expert  
(Dr. B.S.Padmavathi)

Prof. & Dean, School of Mathematics & Statistics,  
University of Hyderabad, Hyderabad



Signature of the subject expert  
(Dr. Debashis Dutta)

HOD & Professor  
Dept. of Mathematics, NIT Warangal

**GUDLAVALLERU ENGINEERING COLLEGE: GUDLAVALLERU****DEPARTMENT OF BASIC SCIENCES & HUMANITIES****MATHEMATICS B.O.S****MINUTES****EEE BRANCH****I B.TECH I SEM**

In "LINEAR ALGEBRA & DIFFERENTIAL EQUATIONS", in UNIT- 4, Euler - Cauchy differential equation is introduced.

**III B.TECH I SEM**

In "Optimization Techniques", in UNIT – 5, Rosen's Gradient projection method is deleted and conjugate direction method – Fletcher's reeve's method introduced.

Suggested prescribed textbook - Kalyan Moy Deb, Optimization for Engineering Design, PHI, Delhi, 2014.

Suggested reference book - S.S. Rao - Optimization Theory and Applications, Wiley Eastern Limited, New Delhi. (new edition)

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*B. S. Padmavathi*

Signature of the subject expert  
(Dr. B.S.Padmavathi)

Prof. & Dean, School of Mathematics & Statistics,  
University of Hyderabad, Hyderabad

*Dr. Debashis Dutta*

Signature of the subject expert  
(Dr. Debashis Dutta)

HOD & Professor  
Dept. of Mathematics, NIT Warangal

**GUDLAVALLERU ENGINEERING COLLEGE: GUDLAVALLERU****DEPARTMENT OF BASIC SCIENCES & HUMANITIES****MATHEMATICS B.O.S****MINUTES****ME BRANCH****I B.TECH I SEM**

In "LINEAR ALGEBRA & DIFFERENTIAL EQUATIONS", in UNIT- 4, Euler - Cauchy differential equation is introduced.

**III B.TECH I SEM -**

In "Numerical & Statistical Method", in UNIT - 5 : Binomial & Poisson Distribution topics are suggested as to be reviewed. In the same unit, Correlation and linear Regression topics are introduced. In UNIT - 6 : Chi - Squared test for independence of attributes is deleted.

**III B.TECH II SEM -**

In "Operations Research", in UNIT- 1, Artificial variable technique term deleted. In UNIT-2, the title is suggested as Transportation and Assignment problems.

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B.S. Padmavathi

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(Dr. B.S.Padmavathi)

Prof. & Dean, School of Mathematics & Statistics,  
University of Hyderabad, Hyderabad

DDutta

Signature of the subject expert  
(Dr. Debashis Dutta)

HOD & Professor  
Dept. of Mathematics, NIT Warangal

**GUDLAVALLERU ENGINEERING COLLEGE: GUDLAVALLERU**  
**DEPARTMENT OF BASIC SCIENCES & HUMANITIES**

**MATHEMATICS B.O.S**

**MINUTES**

**ECE BRANCH**

**I B.TECH I SEM**

In "LINEAR ALGEBRA & DIFFERENTIAL EQUATIONS", in UNIT- 4, Euler - Cauchy differential equation is introduced.

**IV B.TECH I SEM**

Suggested title for ECE is "Optimization Techniques – methods & algorithms" instead of "Optimization techniques."

Units 2 and 3 can be combined. UNIT – 3 : title suggested as "Introduction to soft computing genetic algorithm."

Suggested prescribed textbook - Kalyan Moy Deb, Optimization for Engineering Design, PHI, Delhi, 2014.

Suggested reference book - S.S. Rao - Optimization Theory and Applications, Wiley Eastern Limited, New Delhi. (new edition)

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*B.S. Padmavathi*

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*Dr. Debashis Dutta*

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HOD & Professor  
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**GUDLAVALLERU ENGINEERING COLLEGE: GUDLAVALLERU****DEPARTMENT OF BASIC SCIENCES & HUMANITIES****MATHEMATICS B.O.S****MINUTES****CSE BRANCH****I B.TECH I SEM**

In "LINEAR ALGEBRA & INTEGRAL TRANSFORMS", the 3<sup>rd</sup> unit titled Fourier Series" is replaced with Quadratic Forms with the following topics –

- *Real and complex matrices, Introduction to Quadratic Form, Canonical Form – Index, Signature and nature. Reduction of Quadratic forms to canonical forms by Orthogonal transformation, Lagrange's Reduction.*

**II B.TECH I SEM**

In "Mathematical Optimization", in the unit – 1, SIMPLEX METHOD shifted to Unit – II.

In UNIT -5, multi channel-Poisson arrivals – exponential service times with the infinite population deleted.

**II B.TECH II SEM**

In "Probability & Statistics", in UNIT-6, regression is replaced with linear regression.

B.S. Padmavathi

Signature of the subject expert  
(Dr. B.S.Padmavathi)  
Prof. & Dean, School of Mathematics & Statistics,  
University of Hyderabad, Hyderabad



Signature of the subject expert  
(Dr. Debashis Dutta)  
HOD & Professor  
Dept. of Mathematics, NIT Warangal

**GUDLAVALLERU ENGINEERING COLLEGE: GUDLAVALLERU****DEPARTMENT OF BASIC SCIENCES & HUMANITIES****MATHEMATICS B.O.S****MINUTES****IT BRANCH****I B.TECH I SEM**

In "LINEAR ALGEBRA & INTEGRAL TRANSFORMS", the 3<sup>rd</sup> unit titled "Fourier Series" is replaced with Quadratic Forms with the following topics –

- *Real and complex matrices, Introduction to Quadratic Form, Canonical Form – Index, Signature and nature. Reduction of Quadratic forms to canonical forms by Orthogonal transformation, Lagrange's Reduction.*

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In UNIT -5, multi channel-Poisson arrivals – exponential service times with the infinite population deleted.

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*Dr. Debashis Dutta*

Signature of the subject expert  
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HOD & Professor  
Dept. of Mathematics, NIT Warangal

**GUDLAVALLERU ENGINEERING COLLEGE: GUDLAVALLERU****DEPARTMENT OF BASIC SCIENCES & HUMANITIES****MATHEMATICS B.O.S****MINUTES****PG Courses**

- In CIVIL M.Tech Course "Computational methods in Engineering" , no suggestions.
- In EEE M.Tech Course, suggested title "LINEAR AND NON-LINEAR OPTIMIZATION TECHNIQUES" in place of "Engineering Optimization".
- In MECHANICAL M.Tech Course "Computational methods in Engineering" , no suggestions.
- In CSE M.Tech Course "Statistics with R-Programming" , no changes.
- In IT M.Tech Course "Computational Algebraic Number theory" is suggested by IT B.O.S. members. But prerequisites are not satisfied to study the subject. Hence mathematics B.O.S. members suggested to keep " Advanced Discrete Mathematics".
- No changes suggested for MBA Courses - QABD & BRM.

**Note :**

Some more Open Elective titles suggested for B.Tech. Courses.

1. Mathematics of decision sciences
2. Multi-objective optimization
3. Data Science
4. Finite Volume Methods.

*B. S. Padmavathi*

Signature of the subject expert  
(Dr. B.S.Padmavathi)

Prof. & Dean, School of Mathematics & Statistics,  
University of Hyderabad, Hyderabad

*Dr. Debashis Dutta*

Signature of the subject expert  
(Dr. Debashis Dutta)

HOD & Professor  
Dept. of Mathematics, NIT Warangal

Minutes of BOS PHYSICS - 2017.

The Board of Studies for RIT Physics  
consisting of

1. Dr. G. S. Bhaskara Rao (Professor & HOD) Chairman
2. Dr. P. Dakshina Murthy, Professor (University nominee)
3. Dr. S. Suresh, Sr. Grade Asst. Professor (member)
4. Mr. V. Naveen Kumar, Sr. Grade Asst. Professor (member)
5. Mrs. P. Vijaya Lakshmi, Asst. Professor (member)
6. Dr. V. Radha Ramani, Asst. Professor (member) P
7. Mr. Pothuraju T, Asst. Professor (member)
8. Ms. M. Baby Rani, Asst. Professor (member)
9. Mr. Syam Nagaraju V, Teaching Asst. (member).

met on 9/4/17 at 9:00 AM and has  
unanimously resolved the following:

To adopt the enclosed branch specific syllabi  
each resolved into six units with the possible  
completion in forty eight periods of teaching session  
for a semester. Syllabus contents are organized  
as suitable for

- a) Applied Physics - common for CSE and IT branches.
- b) Engineering Physics - for ME branch
- c) Engineering Physics - for CE branch
- d) Solid State Physics for EEE and ECE branches  
is included. Branch relevant laboratory  
curriculum is included. The content of  
virtual lab is advised (Internet based free

downloaded experiments) against the internal component a weightage of 10M (out of 40M); so that student will be anticipated to write a miniproject; and the course get preference in accreditation process of MHRD. A laboratory consisting of thirty systems with internet connectivity required, so that student gets two successive periods per week.

Position                      Name

Chairman - Dr. G. S. BHASKARAO -

Sr. Grade Asst Professor - Dr. G. Suresh

University Nominee - Prof. P. Dakshina Murthy -

Member - Mr. V. Naveen Kumar

Member - P. Vijaya Lakshmi -

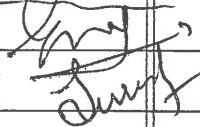
Member - Dr. V. Radha Ramani -

Member - T. Pothu Raju

Member - M. Baby Rani

Member - Mr. V. Syama Nagaraju

Signature



P. Dakshina Murthy

V. Naveen Kumar

P. Vijaya Lakshmi

Radha RV

T. P. P. i

M. Baby Rani



# GUDLAVALLERU ENGINEERING COLLEGE






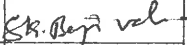
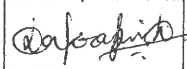
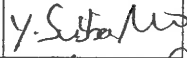
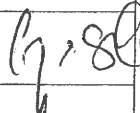

Seshadri Rao Knowledge Village, Gudlavalleru-521 356.

## Department of Basic Sciences and Humanities

The First BOS meeting of BS&H Department, Gudlavalleru Engineering College (Autonomous), Seshadri Rao Knowledge Village, Gudlavalleru is held today i.e. 09-04-2017 (Sunday) at 9.30 AM in the Mechanical Engineering A.C. Seminar hall under the chairmanship of Dr.G.S.Bhaskara Rao, Head of the BS&H Department.

### BOARD OF STUDIES – CHEMISTRY

#### MEMBERS PRESENT:

Sl. No.	Name	Designation	Position	Signature
1	Dr. G. S. Bhaskara Rao	Professor & HoD	Chairman	
2	Dr. A. Panasa Reddy	Professor & Head of Dept. of Chemistry, University College of Engineering, OU, Hyderabad	University Nominee	
3	Dr. Venkatappa Rao B	Professor of Chemistry (Retd.) and Research Fellow (Emeritus), NIT, Warangal.	Academic Council Nominee	
4	Mrs. P. Haritha	Assistant Professor	Member	
5	Mr. Sk. Abdul Mathin	Assistant Professor	Member	
6	Mr. Sk. Bajivali	Assistant Professor	Member	
7	Dr. Ch. Chakrapani	Assistant Professor	Member	
8	Mr. Y. Subba Rao	Assistant Professor	Member	
9	Mr. G. Subramaneswara Rao	Assistant Professor	Member	
10	Mrs. S. Lakshmi Bhavani	Teaching Asst.	Member	

#### Minutes of the Meeting:

- I. With reference to the minutes of the Eighth Meeting of the Academic Council held on 18-02-2017, Dr. S.R. Parimi Professor of Civil Engineering and Structural Engineering Consultant, Vijayawada suggested to include 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 sciences courses at first year level common to all branches of engineering. The BOS in Chemistry strongly opines that knowledge of chemistry (both theory & lab) is necessary for CSE and IT branches with a suitable syllabus common to both the branches, as modern advances in chemistry lay a strong foundation to understand their respective core courses in future. The BOS further suggests to discuss this matter in the ensuing Academic Council Meeting for its consideration and recommendation.

- II. The suggestions given by respective departmental boards of studies in CE, ME, ECE and EEE branches are taken into consideration during discussion and deliberations of the syllabus of I B.Tech Chemistry of these branches.
- III. The number of credits of I B.Tech Engg. Chemistry course of CE and of Applied Chemistry course of ECE and EEE course may be increased from 2 credits to 3 credits. This is recommended in view of the importance of chemistry course to the respective branches.
- IV. The BOS in chemistry has gone through the draft syllabus of I B.Tech Engg. Chemistry of Civil Engineering critically and thoroughly, discussed and deliberated at length and the finalized syllabus is approved.
- V. The BOS in chemistry has gone through the draft syllabus of I B.Tech Industrial Chemistry of Mechanical Engineering critically and thoroughly, discussed and deliberated at length and the finalized syllabus is approved.
- VI. The BOS recommends that the number of experiments in the Industrial Chemistry Lab of Mechanical Engineering branch may be increased to 12, by including important experiments on Corrosion and Instrumental methods of analysis and the title of the lab course be suitably changed to "Industrial Chemistry Lab Course" instead of "Fuels and Lubricants and Classical Mechanical Lab Course".
- VII. The BOS in chemistry has gone through the draft syllabus of I B.Tech Applied Chemistry of Electronics and Communication Engineering & Electrical and Electronics Engineering critically and thoroughly, discussed and deliberated at length and the finalized syllabus is approved.

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09/4/2017

B.Tech Course R-17

## ENVIRONMENTAL STUDIES

### BOARD OF STUDIES MEETING

#### CHANGES:

1. In unit - II Major ecosystems are added.
2. In unit - III Biodiversity Act, 2002 is added
3. In unit - VI Municipal waste water & Drinking water Treatment topics are added

#### NAMES:

1. Dr. G. S. Bhaskara Rao  
CHAIRMAN

*[Signature]*  
9/4/2017

2. Prof. P. V. V. Prasad Rao  
University Nominee

*[Signature]*  
9/4/17

3. B. RAMYA  
member

*[Signature]*  
9/4/17

4. M. Srinivasulu  
member

*[Signature]*  
9/4/17

5. M. Ram babu  
member

*[Signature]*  
9/4/17

6. P. Sumalatha  
member

P. Salath *[Signature]*  
9/4/17

09/4/17

B.Tech Course R-17

ENGINEER AND SOCIETY

BOARD OF STUDIES MEETING

CHANGES:

- 1: In unit - II - Engineers role in urban planning, Occupational health hazards are added.
- 2: In unit - II - Air borne diseases & water borne diseases are deleted.
- 3: In unit - III - Engineers role in energy conservation topic is added & Geo thermal energy, OTEC topics are deleted
- 4: In unit - IV - Role of an engineer in mitigating societal problems added
- 5: In unit - VI Title is changed to "Global climatic issues & mitigation measures"

1. Dr. G.S. Bhaskara Rao  
Chairman

2. Prof. P.V.V. Prasada Rao  
University Nominee

3. B. Ramya member

4. M. Srinivasulu member

5. M. Rambabu member

6. P. Sumalatha member

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9/4/2017

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9/4/17

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9/4/17

# GUDLAVALLERU ENGINEERING COLLEGE

Seshadri Rao Knowledge Village, Gudlavalleru-521 356.

Department of Basic Sciences and Humanities

Dt: 18-05-2020

## MINUTES OF BOARD OF STUDIES – MATHEMATICS-R20

The board of studies for R20 Mathematics consisting of

Sl. No.	Name	Designation	Position	Online Time Stamp
1.	Dr. G.S.Bhaskara Rao	Professor & HOD	Chairman	15-05-20, 09:45 AM
2.	Dr. G.V.S.R. Deekshitulu,	Professor & HOD UCEK, JNTUK	University Nominee	15-05-20, 10:00 AM
3.	Dr. D.Srinivasacharya	Department of Mathematics, NIT, Warangal, 9849187249 <a href="mailto:dsc@nitw.ac.in">dsc@nitw.ac.in</a>	Member (Subject Expert)	15-05-20, 10:00 AM
4.	Prof. V. Venkata Hara Gopal	Professor, Department of Mathematics, BITS Hyderabad Branch, Hyderabad. 9849083995, <a href="mailto:haragopal_ajjha@hyderabad.bits-pilani.ac.in">haragopal_ajjha@hyderabad.bits-pilani.ac.in</a>	Member (Subject Expert)	15-05-20, 09:56 AM
5.	Mr. S.Siva Ram	Sr. Gr. Assistant Professor	Member	15-05-20, 09:43 AM
6.	Mr. D.K.Pavan Kumar	Sr. Gr. Assistant Professor	Member	15-05-20, 09:48 AM
7.	Mr. T.Babu Rao	Sr. Gr. Assistant Professor	Member	15-05-20, 09:44 AM
8.	Dr. T.Govinda Rao	Assistant Professor	Member	15-05-20, 09:45 AM
9.	Mrs. P.Rajani	Assistant Professor	Member	15-05-20, 09:47 AM
10.	Dr. R.Swetha	Assistant Professor	Member	15-05-20, 09:43 AM
11.	Dr. B.Akkayya	Assistant Professor	Member	15-05-20, 09:47 AM
12.	Mr. N.Syam Prasad	Assistant Professor	Member	15-05-20, 09:48 AM
13.	Dr. P.S.V. Srinu babu	Assistant Professor	Member	15-05-20, 09:45 AM
14.	Mr. K.Kranthi Kumar	Assistant Professor	Member	15-05-20, 09:47 AM
15.	Mr. P.Ramireddy	Assistant Professor	Member	15-05-20, 09:46 AM

## INVITEES

Sl. No.	Name	Designation	Position	Online Time Stamp
1.	Dr. P. Ravindra Babu	Professor & Principal	Invitee	15-05-20, 09:58 AM
2.	Dr. G.S.N.R.V. Prasad,	Professor & Vice-Principal Academics	Invitee	15-05-20, 09:51 AM
3.	Dr. B. Karuna Kumar	Professor & Vice-Principal Administration	Invitee	15-05-20, 09:58 AM
4.	Dr. P. Kodanda Rama Rao	Professor & HoD, CE	Invitee	15-05-20, 09: 57 AM
5.	Dr. L. Ravi Srinivas	Professor & HoD, EEE	Invitee	15-05-20, 09:55 AM
6.	Dr. M. R.Ch. Sastry	Professor & HoD, ME	Invitee	15-05-20, 09:54 AM
7.	Dr. V.V.K.D.V.Prasad	Professor & HoD, ECE	Invitee	15-05-20, 09:56 AM
8.	Dr. S. Narayana	Professor & HoD, CSE	Invitee	15-05-20, 09:57 AM
9.	Dr. CH. Kavitha	Professor & HoD, IT	Invitee	15-05-20, 09:58 AM

BOS meeting of mathematics subject was held on 15/05/2020 in the Dept. of BS&H to finalize the syllabi of various mathematics subjects offering to the students of B.tech, M.Tech, and MBA courses of GEC as a part of R-20 regulations.

The meeting was held under the chairmanship of Dr.G.S.BhaskaraRao, HOD, BS&H, for which subject experts Dr.G.V.S.R. Deekshitulu, HOD of Dept. of Mathematics, JNTUK, Dr.D.Srinivasa charyulu HOD, Dept of Mathematics, NIT Warangal, Dr.K.Haragopal, Sr.Professor of Mathematics, BITS, Hyderabad, were attended and members of Mathematics faculty were also attended as the members of BOS committee.

The following points were discussed and unanimously decisions taken that

- Even though different syllabi is prepared for 3 groups as 1) ECE and EEE, 2) CSE and IT, 3) ME and CE but subject experts felt that a common mathematical course must be Offered in I Semester and II Semester for all branches of B.Tech course in 1<sup>st</sup> year.
- Experts felt that from 2<sup>nd</sup> year onwards special mathematical courses may be offered as per the branch requirements.
- So, Linear Algebra and Calculus (LAC) and Integral Transforms and Vector Calculus (ITVC) is offered in Ist Year except in AI&DS Branch.
- It is also felt that two special mathematical subjects namely Engineering Calculus and Descriptive Statistics along with Lab course titled as "Descriptive Statistics using R" in the I Semester course of AI&DS Branch is offered.
- Experts and members felt that to keep DMS (Discrete Mathematical Structures) is offered exclusively for EEE course and Linear Algebra for AI&DS Branch in II semester of Ist Year.
- Dr. Deekshithulu also suggested to include Cauchy-legendre equation, Method of Variation of Parameters and Singular Value Decomposition concepts in the LAC subject as per their applications in Engineering subjects.

## II year

- For CE and ME, NSM (Numerical and Statistical Methods) subject offered in II-II with Lab for ME branch and NSM subject as theory is offered to CE branch.
- Numerical Methods & Complex Analysis-NMCA is offered in II-I of IOT branch and for ECE in II-II, semester.
- Advanced Statistics-"AS" is offered in II-I semester for AI&DS branch.
- For IOT branch the subject P&S is offered in II-I semester.
- For CSE the lab titled as "P&S using R-programming" is offered in II-I as per the branch requirements.
- DMS and P&S both subjects offered in II year to CSE and IT branches, exchanging the subjects semester wise.
- NM&OT is offered in II-I of IT branch.

## III Year

- In III year the Integrated lab titled as "Numerical Methods & Computer Applications" is offered to EEE branch in III-I semester.
- Probability, Statistics and Quantum Theory is offered for EEE branch in IV-I semester.

## Open and Professional Electives:

- Optimization Techniques-OT is offered in IV-I semester of ECE branch as a professional elective.
- BOS members recommended "Business Analytics" as also a professional elective for EEE branch.
- "Fuzzy Mathematics", "Quality, Reliability and Operational Research" were continued similar to R-17 regulation in R-20 also as an open elective.

## MBA:

- Members recommended to keep "Quantitative Analysis for Business decisions" in I-I semester.
- "Business Research Methods" in II-II semester of MBA course to be continued similar to R17 in R20 also But in BRM it is suggested that first two units should be the Analysis of data and statistical inference and then research concepts should be followed.

## M.Tech:

- "Computational Methods in Engineering" is offered to M.Tech Machine Design course in I-II semester as a regular subject.
- "Computational Methods in Structural Engineering" subject is offered as a professional elective in I-I semester of M.Tech-Civil Structural Engineering course.

*G. S. Bhaskara Rao*  
Dr. G.S.Bhaskara Rao  
HOD and B.O.S Chairman  
BS&H

# GUDLAVALLERU ENGINEERING COLLEGE

Seshadri Rao Knowledge Village, Gudlavalleru-521 356.

Department of Basic Sciences and Humanities

Dt: 16-05-2020

## MINUTES OF BOARD OF STUDIES – PHYSICS-R20

The board of studies for R20 physics consisting of

Sl. No.	Name	Designation	Position	Time Stamp
1.	Dr. G.S.Bhaskara Rao	Professor & HOD	Chairman	15-05-20, 03:45 PM
2.	Dr. G. Padmaja Rani	Professor, UCEK, JNTUK	University Nominee	15-05-20: 04:00 PM
3.	Prof. K.Venugopal Reddy	Professor Department of Physics, NIT, Warangal, 9985676482, <a href="mailto:drkvgreddy@gmail.com">drkvgreddy@gmail.com</a>	Member (Subject Expert)	15-05-20: 04:03 PM
4.	Dr. S.Suresh	Sr. Gr. Asst. Professor of Physics,	Member	15-05-20: 03:46 PM
5.	Dr. V.Naveen Kumar	Sr.Grade Asst. Professor	Member	15-05-20: 03:59 PM
6.	Dr. P.Vijaya Lakshmi	Assistant Professor	Member	15-05-20: 03:49 PM
7.	Dr.V.Radha Ramani	Assistant Professor	Member	15-05-20: 03:55 PM
8.	Mr. Syama Naga Raju. V	Teaching Asst.of Phy.	Member	15-05-20: 03:49 PM

## INVITEES

Sl. No.	Name	Designation	Position	Online Time Stamp
1.	Dr. P. Ravindra Babu	Professor & Principal	Invitee	15-05-20:03:56 PM
2.	Dr. G.S.N.R.V. Prasad,	Professor & Vice-Principal Academics	Invitee	15-05-20:03:50 PM
3.	Dr. B. Karuna Kumar	Professor & Vice-Principal Administration	Invitee	15-05-20:03:53 PM
4.	Dr. P. Kodanda Rama Rao	Professor & HoD, CE	Invitee	15-05-20:03:58 PM
5.	Dr. L. Ravi Srinivas	Professor & HoD, EEE	Invitee	15-05-20:03:51 PM
6.	Dr. M. R.Ch. Sastry	Professor & HoD, ME	Invitee	15-05-20:03:49 PM
7.	Dr. V.V.K.D.V. Prasad	Professor & HoD, ECE	Invitee	15-05-20:03:55 PM
8.	Dr. S. Narayana	Professor & HoD, CSE	Invitee	15-05-20:03:52 PM
9.	Dr. CH. Kavitha	Professor & HoD, IT	Invitee	15-05-20:03:53 PM

Met on 15-05-2021 at 4:00 PM in online mode and has resolved the following

- To adopt the branch specific syllabi content having five units.
- Minimum 48 periods of instructions for semester.
- The following courses are finalized
  - Engineering Physics – for CE Branch
  - Physics for Engineers – for ME Branch
  - Solid State Physics – for EEE and ECE Branches
  - Applied Physics( IOT) – for IOT Branch
  - Applied Physics – for CSE and IT Branch
- The following Lab courses are finalized
  - Engineering Physics Lab – for CE and ME Branch
  - Solid State Physics Lab– for EEE and ECE Branches
  - Engineering Physics Lab ( IOT) – for IOT Branch
  - Applied Physics Lab– for CSE and IT Branch
- The following are the specific suggestions given by subject experts
  - Engineering Physics syllabus they insisted to include photo elasticity, powder method, pumping mechanism etc.,
  - Solid State Physics syllabus they advised to include density of states in metals, expression for Fermi energy level, Ferrites and its applications.
  - Applied Physics syllabus they insisted to remove Quantum computations.
  - Applied Physics (IOT) syllabus they recommended to include sensors and its fundamentals.
- In the laboratory minimum 8 experiments per semester
- They guided to include minimum 2 experiments related to each unit.

G. S. Bhaskara Rao  
Dr. G.S.Bhaskara Rao  
HOD and B.O.S Chairman  
BS&H

# GUDLAVALLERU ENGINEERING COLLEGE

Seshadri Rao Knowledge Village, Gudlavalleru-521 356.

Department of Basic Sciences and Humanities

Dt: 18-05-2020

## MINUTES OF BOARD OF STUDIES – CHEMISTRY-R20

The board of studies for R20 chemistry consisting of

Sl. No.	Name	Designation	Position	Time Stamp
1.	Dr. G.S.Bhaskara Rao	Professor & HOD	Chairman	16-05-20: 10:00 AM
2.	Dr. S.Satya Veni	Assistant Professor & Head (I/c) Department of Chyemistry University College of Engineering Kakinada, 9052683532 <a href="mailto:Dr.satyapurna@gmail.com">Dr.satyapurna@gmail.com</a>	University Nominee	16-05-20: 10:15 AM
3.	Dr. Venkatappa Rao B	Professor of Chemistry, NIT, Warangal 9866575276 <a href="mailto:bva@nitw.ac.in">bva@nitw.ac.in</a>	Member (Subject Expert)	16-05-20: 10:03 AM
4.	Dr. P.Haritha	Assistant Professor	Member	16-05-20: 10:00 AM
5.	Mr. Sk.Abdul Mathin	Assistant Professor	Member	16-05-20: 10:02 AM
6.	Dr. Sk.Bajivali	Assistant Professor	Member	16-05-20: 10:00 AM
7.	Dr. Ch.Chakrapani	Assistant Professor	Member	16-05-20: 10:01 AM
8.	Mr. Y.Subba Rao	Assistant Professor	Member	16-05-20: 10:02 AM

## INVITEES

Sl. No.	Name	Designation	Position	Time Stamp
1.	Dr. P. Ravindra Babu	Professor & Principal	Invitee	16-05-20: 10:00 AM
2.	Dr. G.S.N.R.V. Prasad,	Professor & Vice-Principal Academics	Invitee	16-05-20: 10:01 AM
3.	Dr. B. Karuna Kumar	Professor & Vice-Principal Administration	Invitee	16-05-20: 10:03 AM
4.	Dr. P. Kodanda Rama Rao	Professor & HoD, CE	Invitee	16-05-20: 10:08 AM
5.	Dr. L. Ravi Srinivas	Professor & HoD, EEE	Invitee	16-05-20: 10:02 AM
6.	Dr. M. R.Ch. Sastry	Professor & HoD, ME	Invitee	16-05-20: 10:00 AM
7.	Dr. V.V.K.D.V.Prasad	Professor & HoD, ECE	Invitee	16-05-20: 10:01 AM
8.	Dr. S. Narayana	Professor & HoD, CSE	Invitee	16-05-20: 10:01 AM
9.	Dr. CH. Kavitha	Professor & HoD, IT	Invitee	16-05-20: 10:03 AM

Met on 16-05-2021 at 10:00 AM in online mode and has resolved the following

- To adopt the branch specific syllabi content having five units.
- Minimum 48 periods of instructions for semester.
- The following courses are finalized
  - Engineering Chemistry (CE)
  - Applied Chemistry (ECE & EEE)
  - Chemistry for Engineers (ME)
  - Applied Chemistry (IT)
- The following Lab courses are finalized
  - Engineering Chemistry Lab (CE)
  - Applied Chemistry Lab (ECE & EEE)
  - Engineering Mechanics Lab and Fuels & Lubricants Lab (ME)
  - Applied Chemistry Lab (IT)
- The following are the specific suggestions given by subject experts
  - To continue Chemistry course for CSE and to offer Chemistry course for AI&DS and IoT Programmes
  - To Introduce Chemistry Lab for both CSE and IT
  - In the unit Electrochemical energy systems, zinc –air battery may be included
  - To include the topic of preparation of silicon for the Chemistry course offered for IT.
  - To include problems on Spectroscopy.

*G. S. Bhaskara Rao*

Dr. G.S.Bhaskara Rao  
HOD and B.O.S Chairman  
BS&H

# GUDLAVALLERU ENGINEERING COLLEGE

Seshadri Rao Knowledge Village, Gudlavalleru-521 356.

Department of Basic Sciences and Humanities

Dt: 16-05-2020

## MINUTES OF BOARD OF STUDIES – ENVIRONMENTAL STUDIES-R20

The board of studies for R20 ENVIRONMENTAL STUDIES consisting of

Sl. No.	Name	Designation	Position	Time Stamp
1.	Dr. G.S.Bhaskara Rao	Professor & HOD	Chairman	16-05-20: 11:20 AM
2.	Prof P.V.V Prasada Rao, Dept. of Environmental Sciences, Andhra University, Visakhapatnam.	Professor	University Nominee	16-05-20: 11:30 AM
3.	Prof T Byragi Reddy, Dept. of Environmental Sciences, Andhra University, Visakhapatnam	Professor	University Nominee	16-05-20: 11:50 AM
4.	B.Ramya	Assistant Professor	Member	16-05-20: 11:20AM
5.	Mr.M srinivasulu	Assistant Professor	Member	16-05-20: 11:20 AM
6.	P.Sumalatha	Assistant Professor	Member	16-05-20: 11:20 AM


## INVITEES

Sl. No.	Name	Designation	Position	Time Stamp
1.	Dr. P. Ravindra Babu	Professor & Principal	Invitee	16-05-20: 11:30 AM
2.	Dr. G.S.N.R.V. Prasad,	Professor & Vice-Principal Academics	Invitee	16-05-20: 11:31 AM
3.	Dr. B. Karuna Kumar	Professor & Vice-Principal Administration	Invitee	16-05-20: 11:33 AM
4.	Dr. P. Kodanda Rama Rao	Professor & HoD, CE	Invitee	16-05-20: 11:38 AM
5.	Dr. L. Ravi Srinivas	Professor & HoD, EEE	Invitee	16-05-20: 11:32 AM
6.	Dr. M. R.Ch. Sastry	Professor & HoD, ME	Invitee	16-05-20: 11:30 AM
7.	Dr. V.V.K.D.V.Prasad	Professor & HoD, ECE	Invitee	16-05-20: 11:31 AM
8.	Dr. S. Narayana	Professor & HoD, CSE	Invitee	16-05-20: 11:31 AM
9.	Dr. CH. Kavitha	Professor & HoD, IT	Invitee	16-05-20: 11:33 AM

Met on 16-05-2021 at 11:30 AM in online mode .

The following are the specific suggestions given by subject experts:

- Environmental Studies course should be for 3 credits to all branches of Engineering.
- Environment Lab for 2 credits must be introduced in the first year. Most of the experiments are useful to all branches of Engineering.
- Ex:-Air and water pollutant collecting devices, waste water treatment technologies, solid Waste disposal methods.
- Include IPCC – Introduction – Role of IPCC.
- Include global climatic issues: Global warming, Acid rains, Ozone layer depletion.
- Maintain Herbal garden in college campus.
- Experts suggested to introduce the following courses as open electives.  
(a) Environmental pollution and its control (b) Resource conservation (c) Industrial waste management
- Experts suggested to introduce the following courses as Audit Courses.
- (a)Environmental Impact Assessment and Environmental Audit (b) Ecotourism.

  
Dr. G.S. Bhaskara Rao  
HOD and B.O.S Chairman

BS&H  
Dr. G.S. BHASKARA RAO  
M.Sc., M.Phil., Ph.D.

Professor  
Dept. of Basic Sciences & Humanities  
J. J. Somaiya Engineering College  
V. V. Narvekar Road, Chhatrapati Shivaji Maharaj  
Mumbai - 400 001



**Department of English**  
**GUDLAVALLERU ENGINEERING COLLEGE (Autonomous)**  
Gudlavalleru 521 356, Andhra Pradesh

**Board of Studies Meeting: 2 April 2017, Sunday**  
Meeting was called to order at 10.00 am at the English Language Teaching (ELT) Centre

**Expert present:**

Prof Mohanraj  
Former Professor  
The English and Foreign Languages University  
Hyderabad

**Attendees present:**

Dr P Ramanujam  
Dr M Vijaya Lakshmi  
Mr G Raja Kumar  
Mr J Jaya Prakash  
Mr G V Chandrasekhar  
Mr P Raj Kiran  
Mr B Kalyan  
Mr Y Saloman Raju  
Mr P Paul Francis  
Mr Rajendra Babu V  
Ms Nischela D  
Mr Krupa Paul K  
Mr B Anjaneyulu  
Mr Anil Kumar P  
Mr Naresh M  
Mr Siva K. K.

Director, ELTC, and Senior Professor of English  
Chair, and Head, Department of English  
Assistant Professor  
Assistant Professor  
Assistant Professor  
Assistant Professor  
Assistant Professor  
Assistant Professor  
Assistant Professor  
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Assistant Professor

**Report:**

- Chairperson welcomed the gathering and invited Director, ELT Centre, to talk about the syllabus
- Director, ELT Centre, talked about the development of the syllabus when the autonomy was introduced. He also explained the process of reworking the current syllabus
- Later, Dr M Vijaya Lakshmi, Chairperson, Board of Studies, and Head of the Department of English, presented the following syllabi:
  - a. Functional English, to be offered to the students of BTech in Semester I; and
  - b. Professional Communication, to be offered to the students of BTech in Semester II.

She also presented the Instructional materials and the testing procedures.

**Business, and expert's comments and discussion:**

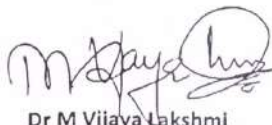
- The expert appreciated the syllabus. He said, "This is perhaps the shortest BoS because the homework has been good."
- At another Instance, mentioning his particular appreciation about the model question paper, he said, "The model question paper was very well done."
- Also, he said that he liked some of the expressions used in the syllabus (such as, "social graces")
- The expert made the following suggestions:
  - that a list of books be suggested to students to choose from under the extensive reading programme
  - that some of the contemporary novels be introduced to students
  - that under the pronunciation teaching in the language labs premium should be placed on teaching connected speech and sentence stress and intonation rather an individual sounds
  - that the Department could guard against the choice of Indianisms to be used on grammar remediation as some of the nuances are entering the standard English usage
- Post BoS meeting, Director, ELT Centre, welcomed the participants to interact with the expert to seek suggestions on aspects related to classroom methodology and syllabus.
- One of the faculty members of the Department interacted with the expert and sought suggestions on motivating students in the classroom.

**Resolutions passed**

**Resolved:**

- a) Syllabi for Semester I (Function English), and Semester II theory (Professional Communication) were approved.
- b) Instructional materials to be used on the programme were approved.
- c) Testing procedures to be followed on the programme were approved.

**Meeting adjourned at 12.15 pm**

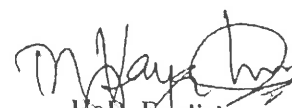


**Dr M Vijaya Lakshmi**  
Chairperson, Board of Studies, and  
Head, Department of English

**MINUTES OF BOARD OF STUDIES – ENGLISH-R20**

The board of studies for R20 English consisting of

Sl. No.	Name	Designation	Position	Time Stamp
1.	Dr P Ramanujam	Director, ELTC and Senior Professor	Director, ELTC and Senior Professor	23-05-20: 10:00 AM
2.	Dr M Vijaya Lakshmi	Associate Professor, Head of the Department	Chairman	23-05-20: 10:00 AM
3.	Dr K Ratna Shiela Mani	Professor, Acharya Nagarjuna University	University Nominee	23-05-20: 10:00 AM
4.	Dr T Narayana	Professor, Andhra University	Member (Subject Expert)	23-05-20: 10:00 AM
5.	Mr G Raja Kumar	Assistant Professor	Member	23-05-20: 10:00 AM
6.	Mr J Jaya Praksh	Assistant Professor	Member	23-05-20: 10:00 AM
7.	Mr P Raj Kiran	Assistant Professor	Member	23-05-20: 10:00 AM
8.	Mr P Paul Francis	Assistant Professor	Member	23-05-20: 10:00 AM
9.	Mr K Siva Koteswara Rao	Assistant Professor	Member	23-05-20: 10:00 AM
10.	Mr B Naga Raju	Assistant Professor	Member	23-05-20: 10:00 AM
11.	Mr Y Saloman Raju	Assistant Professor	Member	23-05-20: 10:00 AM
12.	Mr Ch Nagarjuna	Assistant Professor	Member	23-05-20: 10:00 AM
13.	Mr Ch Murali Krishna	Assistant Professor	Member	23-05-20: 10:00 AM

  
HOD, English

## INVITEES

Sl. No.	Name	Designation	Position	Time Stamp
1.	Dr. P. Ravindra Babu	Professor & Principal	Invitee	23-05-20: 10:00 AM
2.	Dr. G.S.N.R.V. Prasad,	Professor & Vice-Principal Academics	Invitee	23-05-20: 10:01 AM
3.	Dr. B. Karuna Kumar	Professor & Vice-Principal Administration	Invitee	23-05-20: 10:03 AM
4.	Dr. P. Kodanda Rama Rao	Professor & HoD, CE	Invitee	23-05-20: 10:08 AM
5.	Dr. L. Ravi Srinivas	Professor & HoD, EEE	Invitee	23-05-20: 10:02 AM
6.	Dr. M. R.Ch. Sastry	Professor & HoD, ME	Invitee	23-05-20: 10:00 AM
7.	Dr. V.V.K.D.V. Prasad	Professor & HoD, ECE	Invitee	23-05-20: 10:01 AM
8.	Dr. S. Narayana	Professor & HoD, CSE	Invitee	23-05-20: 10:01 AM
9.	Dr. CH. Kavitha	Professor & HoD, IT	Invitee	23-05-20: 10:03 AM

### Agenda:

- To seek approval for the continuance of Functional English (Semester – I) and Professional Communication (Semester – II) for I B.Tech.
- To finalise the unit wise syllabus of both the courses.
- Any other matter with permission of the chair.

### Minutes of BoS:

- Dr M Vijaya Lakshmi, Chairperson, Board of Studies, and the Head of the Department of English, presented the following syllabi for R20 regulations:
  - a. Functional English, to be offered to the students of B. Tech. in Semester I; and
  - b. Professional Communication, to be offered to the students of B. Tech. in Semester II.
- She presented unit wise syllabi of both the courses, instructional materials and the testing procedures.
- The experts appreciated the syllabi. They felt that they are carefully constructed to meet the contemporary needs of the students.
- Also, they expressed that the syllabi have focused on equipping students with the much needed language skills and they hoped the implementation of the syllabi will yield the stipulated learning outcomes.
- They congratulated Director and Faculty for framing good and comprehensive syllabi.