

SAGI RAMA KRISHNAM RAJU ENGINEERING COLLEGE (AUTONOMOUS)

(AFFILIATED TO JNTUK, KAKINADA) (RECOGNISED BY ALL INDIA COUNCIL FOR TECH. EDN., NEW DELHI)

Accredited by NAAC with 'A' Grade Recognised as Scientific and Industrial Research Organisation

CHINNA AMIRAM (P.O):: BHIMAVARAM :: W.G.Dt., A.P., INDIA :: PIN: 534 204

Dr. M.Jagapathi Raju

M.Tech. (IIT,KGP), Ph.D.(A.U), FIE,MISTE,

Vice- Principal (Academics)

and

PRINCIPAL (I/c.)



Phones: Off : EPABX :08816-223332 Ext.201

College :08816-222748

Fax:08816-224516

Mobile No.9848773515

Emails: profmiraju999@gmail.com

principal@srkrec.ac.in

Web Site : www.srkrec.ac.in

PROCEEDINGS OF THE PRINCIPAL

Ref. No: SRKREC/Committee/BoS/ME/3

Date: 01-08-2019

Sub: Appointment of BoS members for Mechanical Engineering (ME) department-Reg.

The following members are nominated as Board of Studies members for the Department of Mechanical Engineering. This order will come into force with immediate effect until further orders.

S. No	Name	Category	Associated with
1	Dr. K.Brahma Raju	Chairman	Professor & Head Dept. of Mechanical Engineering, SRKRC
2	Prof. N.V.Subba Raju	Faculty of each specialization	Professor, SRKREC
3	Prof.K.Satya Narayana		Professor, SRKREC
4	Dr. A.Bala Krishna		Professor, SRKREC
5	Dr.V.Durga Prasada Rao		Professor, SRKREC
6	Dr. P.Rama Murthy Raju		Professor, SRKREC
7	Dr. K.Suresh Babu		Professor, SRKREC
8	Dr. K.V.M. Krishnam Raju		Professor, SRKREC
9	Sri P.V.Gopala Raju		Associate Professor, SRKREC
10	Sri Ch.Srinivas		Associate Professor, SRKREC
11	Sri V.K.Viswanadha Raju		Associate Professor, SRKREC
12	Sri C.V.S.R.K.Raju		Associate Professor, SRKREC
13	Sri Ch. Gopala Raju		Associate Professor, SRKREC
14	Sri P.V.R.S. Padma Raju		Associate Professor, SRKREC
15	Sri G. Chatrapathi Raju		Associate Professor, SRKREC
16	Dr. S.Rajesh		Associate Professor, SRKREC
17	Dr. K.Sita Rama Raju		Associate Professor, SRKREC
18	Dr. B.S.V.Prasad Patnaik	Experts from other Universities	Department of Applied Mechanics Indian Institute of Technology Madras Chennai 600036.
19	Dr. A. Gopala Krishna	JNTUK Nominee	Professor of Mechanical Engineering, University College of Engineering Kakinada (UCEK), JNTU Kakinada
20	Dr. P.V.S.Ganesh Kumar	Expert from Professional Body	Associate Director Naval Science & Technological Laboratory (NSTL) Visakhapatnam, Andhra Pradesh.

c.c.to:

1. The I/c.Principal's table
2. HOD-Mech. Engg.
3. All the above Members 4 Office file.



I/c. PRINCIPAL
PRINCIPAL
S.R.K.R. Engg. College
BHIMAVARAM-534 204

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Dr. M. Jagapathi Raju

M.Tech (IIT, KGP), Ph.D (AU), FIE, MISTE

Vice-Principal (Academics)

and

PRINCIPAL (I/c)



Phones: Off : 08816-223332 Ext. 201

College: 08816-222748

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Mobile No. : 9848773515, 9848381818

Email: profmjraru999@gmail.com

principal@srkrec.ac.in

principalsrkrec@gmail.com

Website: www.srkrec.ac.in

SRKREC/BOS-1/ME/2019-20

Date: 10.08.2019

To

Dr. B.S.V. Prasad Patnaik

Professor

Department of Applied Mechanics

Indian Institute of Technology Madras

Chennai-600036.

Dear Sir,

Sub: S.R.K.R. Engineering College-Board of Studies Meeting-Reg.

We take the privilege in inviting you for the Board of Studies Meeting in SRKR Engineering College as an External Expert Member. It is proposed to revise the existing syllabus and to implement the new Syllabus and Regulations (R19) from the 2019-20 admitted batches onwards. In this regard, we trust that you are the right person to contribute your valuable suggestion in revising the Curriculum.

In this connection, you are requested to attend the meeting of the Joint Board of Studies on 19.08.2019 at 11-00 A.M in I-Block, A.C. Auditorium of our college.

The Departmental Board of Studies meetings will be conducted in respective departments as per the schedule mentioned below:

S.No.	BOARD	DATE	TIME
1	Civil Engineering	19.08.2019	2.00 P.M
2	Computer Science & Engineering	19.08.2019	2.00 P.M
3	Electronics & Communication Engineering	19.08.2019	2.00 P.M
4	Electrical & Electronics Engineering	19.08.2019	2.00 P.M
5	Information Technology	19.08.2019	2.00 P.M
6	Mechanical Engineering	19.08.2019	2.00 P.M
7	Combined Board of Studies in Engineering Chemistry/Engineering Mathematics/Engineering Physics / Humanities and Social Sciences	19.08.2019	2.00 P.M

Hence, kindly accept our invitation and confirm your visit for attending the Board of Studies meeting.

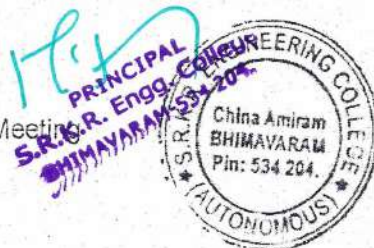
The T.A / D.A. will be paid to all the external members as per the university guidelines. We request you to make it convenient to attend the meetings.

Yours Sincerely,

[Signature]
Principal (I/c)

I/c. Principal
S.R.K.R. Engineering College
(Autonomous)
China Amiram, Bhimavaram-534 204.

Encl: Agenda of the Meeting



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SRKREC/BOS-1/ME/2019-20

Date: 10.08.2019

To

Dr. A. Gopala Krishna

Professor of Mechanical Engineering

UCEK, JNTU Kakinada

Kakinada-533 003.

Dear Sir,

Sub: S.R.K.R. Engineering College-Board of Studies Meeting-Reg.

We take the privilege in inviting you for the Board of Studies Meeting in SRKR Engineering College as a University nominee. It is proposed to revise the existing syllabus and to implement the new Syllabus and Regulations (R19) from the 2019-20 admitted batches onwards. In this regard, we trust that you are the right person to contribute your valuable suggestion in revising the Curriculum.

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Hence, kindly accept our invitation and confirm your visit for attending the Board of Studies meeting.

The T.A / D.A. will be paid to all the external members as per the university guidelines. We request you to make it convenient to attend the meetings.

Yours Sincerely,

Principal (I/c)

I/c. Principal

S.R.K.R. Engineering College
(Autonomous)

China Amiram, Bhimavaram-534 204.

Encl: 1. Copy of JNTUK Nomination Letter
2. Agenda of the Meeting





SAGI RAMA KRISHNAM RAJU ENGINEERING COLLEGE(A)
CHINNA AMIRAM :: BHIMAVARAM-534204
DEPARTMENT OF MECHANICAL ENGINEERING

Dt: 12-08-2019

CIRCULAR

This is to inform you that the Department of Mechanical Engineering will hold a meeting on 19-08-2019 at 02.00 PM in Room No. M-101 (E-class room) of Mechanical Department. In this connection, all the members of the Board of Studies are requested to attend the same.

Agenda:

1. To discuss and finalize course structure and syllabus for 1/4 – B.Tech under R-19 regulations.
2. To discuss and finalize course structure and syllabus for 1/2 – M.Tech CAD/CAM program under R-19 regulations.
3. Any other items for discussion.

C.C to:

1. The Members of Board of studies
2. Office file

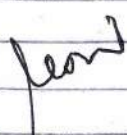



Head of the Department
Professor & Head
Dept. of Mechanical Engg.
S.R.K.R. Engineering College
CHINNA AMIRAM (P.O.)
BHIMAVARAM-534 204.

MINUTES OF THE MEETING

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Sixth Board of studies meeting was held on 19-08-2019 in M101 (E-class Room) of Mechanical Engineering Department at 2:00 PM for Finalization of 1/4 B.Tech (R19) & M.Tech (R19) Course structure & syllabus for B.Tech Mechanical Engineering & M.Tech (CAD/CAM) Program.


Professor & Head
Dept. of Mechanical Engg.
S.R.K.R. Engineering College
CHINAMIRAM (P.O.)
BHIMAVARAM-534 204.

MINUTES OF THE MEETING RESOLUTIONS

- (1) Finalized the Course Structure & Syllabus for the $\frac{1}{4}$ B.Tech (B19) for the Mechanical Engineering Program Under JNTUK University Autonomous Status
- (2) Finalized the Course Structure & Syllabus for the $\frac{1}{2}$ M.Tech (B19) I-Semester for the CAD/CAM program Under JNTUK University Autonomous Status
- (3) Resolved to incorporate Engineering Drawing Course for Mech. Engg., CIVIL Engg. & E.E.E programs in the First semester & for CSE, ECE & IT programs in the Second semester under B19 Regulations. Also discussed and Finalized the syllabus for Engineering Drawing Course.
- (4) Resolved to incorporate Computer Aided Engineering Drawing Course for CIVIL Engg. & Mech. Engg. programs in the Second semester of $\frac{1}{4}$ B.Tech under B19 Regulations. Also discussed & Finalized the syllabus for the same.
- (5) Resolved to incorporate Workshop practice Lab for Mech. Engg. program in First semester and in Second semester for CIVIL Engg. program for $\frac{1}{4}$ B.Tech under B19 Regulations. Also discussed & Finalized the syllabus for the workshop practice Lab.
- (6) Resolved to incorporate the Engineering Mechanics course for Mech. Engg. program in Second semester for $\frac{1}{4}$ B.Tech and finalized the syllabus for the same under B19 Regulations
- (7) Resolved to offer 2 Program Electives with 3 Courses in Each Elective for $\frac{1}{2}$ M.Tech First semester CAD/CAM program under B19 Regulations.
- (8) Resolved to offer the following courses in addition to Regular curriculum for $\frac{1}{2}$ M.Tech CAD/CAM First Semester Program Under B19 Regulations.

S.No. Course Name

Credits

1 Research Methodology & IPR

2

2 Writing Skills for Scientific Communication

Professor & Head
Dept. of Mechanical Engg.
S.R.K.R. Engineering College
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SNO	Name of the Member	Designation	Signature
1.	Prasad Prasanna B.S.V.	Professor	BSV
2.	Dr. A. Gopala Krishna	Professor	A.G.K
3.	Dr. K. Suresh Babu	Professor	K.S.B
4.	Dr. K. Brahmas Raju	Professor & Head	K.B.R
5.	Dr. K.V.M.K. Raju	Professor	K.V.M.K.R
6.	C. SRINIVAS	Associate professor	C.S.
7.	Dr. V. DURGA PRASAD	Professor	V.D.P
8.	P.V. Gopala Raju	Assoc Prof.	P.V.G.R
9.	Dr. PRANMURTY RAJU	Professor	P.R.
10.	G. C. Renu	Associate Prof.	G.C.R
11.	P.V.R. SREKHA RAO	Assoc Prof	P.V.R.S.R
12.	Dr. A. Balakrishna	Prof	A.B.
13.	Prof. N.V. Subbalaxmi	Professor	N.V.S.
14.	A. Narendran	student (4 th year) 160106011	A.N.
15.	K. Vijay Roy	student (4 th year) 160106130	K.V.R
	Dr. S. RAJESH	Assoc professor	S.R.

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RESOLUTIONS FOR THE MEETING DATED 19-08-2019

1) Finalized the Course Structure & Syllabus for the 1st B.Tech (B19) for the Mechanical Engineering Program Under JNTUK University Autonomous status

Regulation: R19				I / IV - B.Tech. I - Semester					
MECHANICAL ENGINEERING (Under Choice Based Credit System / Elective Course System)									
SCHEME OF INSTRUCTION & EXAMINATION (With effect from 2019-20 admitted Batch onwards)									
Course Code	Course Name	Category	Cr.	L	T	P	Int. Marks	Ext. Marks	Total Marks
B19 HS1101	English	HS	3	3	--	--	25	75	100
B19 BS1101	Mathematics-I	BS	3	3	--	--	25	75	100
B19 BS1103	Engineering Physics	BS	3	3	--	--	25	75	100
B19 EE1101	Basic Electrical & Electronics Engineering	ES	3	3	--	--	25	75	100
B19 ME1101	Engineering Drawing	ES	2.5	1	--	3	25	75	100
B19BS1106	Engineering Physics Lab	BS	1.5	--	--	3	20	30	50
B19 HS1102	English Lab	HS	1.5	--	--	3	20	30	50
B19 ME1102	Workshop Practice Lab	ES	1.5	--	--	3	20	30	50
B19MC1101	Environmental Science	MC	0	3	--	--	--	--	--
TOTAL			19	16	--	12	185	465	650

Regulation: R19				I / IV - B.Tech. II - Semester					
MECHANICAL ENGINEERING (Under Choice Based Credit System / Elective Course System)									
SCHEME OF INSTRUCTION & EXAMINATION (With effect from 2019-20 admitted Batch onwards)									
Course Code	Course Name	Category	Cr.	L	T	P	Int. Marks	Ext. Marks	Total Marks
B19 BS1201	Mathematics-II	BS	3	3	--	--	25	75	100
B19ME1202	Engineering Mechanics	ES	3	3	--	--	25	75	100
B19 BS1204	Engineering Chemistry	BS	3	3	--	--	25	75	100
B19 CS1201	Programming for Problem Solving using C	ES	3	3	--	--	25	75	100
B19 ME1203	Computer Aided Engineering Drawing	ES	2.5	1	--	3	25	75	100
B19 BS1207	Engineering ChemistryLab	BS	1.5	--	--	3	20	30	50
B19 HS 1202	Communication SkillsLab	HS	1.5	--	--	3	20	30	50
B19 CS 1204	Programming for Problem Solving Using C Lab	ES	1.5	--	--	3	20	30	50
B19 EE 1203	Basic Electrical & Electronics EngineeringLab	ES	1.5	--	--	2	20	30	50
B19 ME 1204	Engineering Exploration Project	PR	1	--	--	2	--	50	50
TOTAL			21	13	--	16	205	545	750

Professor & Head
Dept. of Mechanical Engg.
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(2) Finalized the Course Structure & Syllabus for the 1/2 M.Tech (R19) I-Semester for the CAD/CAM Program under JNTUK University Autonomy Status

Regulation: R19			I / II - M.Tech. I - Semester						
MECHANICAL ENGINEERING (CAD/CAM)									
(Under Choice Based Credit System / Elective Course System)									
SCHEME OF INSTRUCTION & EXAMINATION									
(With effect from 2019-20 admitted Batch onwards)									
Course Code	Course Name	Category	Cr.	L	T	P	Int. Marks	Ext. Marks	Total Marks
M19CAD 1101	Geometric Modeling	PC	3	3	0	0	25	75	100
M19CAD 1102	Computer Aided Manufacturing	PC	3	3	0	0	25	75	100
#PE-I	Program Elective-I	PE	3	3	0	0	25	75	100
#PE-II	Program Elective-II	PE	3	3	0	0	25	75	100
M19CAD 1109	Advanced CAD Lab	PC	2	0	0	4	25	75	100
M19CAD 1110	Advanced Manufacturing Lab	PC	2	0	0	4	25	75	100
M19 RD 1101	Research Methodology and IPR	RD	2	2	0	0	25	75	100
M19 AC 1109	Writing Skills forScientific Communication	AC	0	2	0	0	0	0	0
Total			18	16	0	8	175	525	700

	Course Code	Course
#PE-I	M19CAD 1103	Computational Methods in Engineering
	M19CAD 1104	Material Technology
	M19CAD 1105	Mechanical Vibrations
#PE-II	M19CAD 1106	Mechatronics
	M19CAD 1107	Industrial Robotics
	M19CAD 1108	Modelling and Simulation of Manufacturing Systems

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(4) Resolved to incorporate Computer Aided Engineering Drawing Course for CIVIL Engg & Mech. Engg. programs in the Second Semester of 1st B.Tech under R19 Regulations. Also discussed & Finalized the syllabus for the same.

Regulation: R19			I / IV - B.Tech. II - Semester						
MECHANICAL ENGINEERING (Under Choice Based Credit System / Elective Course System)									
SCHEME OF INSTRUCTION & EXAMINATION (With effect from 2019-20 admitted Batch onwards)									
Course Code	Course Name	Category	Cr.	L	T	P	Int. Marks	Ext. Marks	Total Marks
B19 BS1201	Mathematics-II	BS	3	3	--	--	25	75	100
B19ME1202	Engineering Mechanics	ES	3	3	--	--	25	75	100
B19 BS1204	Engineering Chemistry	BS	3	3	--	--	25	75	100
B19 CS1201	Programming for Problem Solving using C	ES	3	3	--	--	25	75	100
B19 ME1203	Computer Aided Engineering Drawing	ES	2.5	1	--	3	25	75	100
B19 BS1207	Engineering ChemistryLab	BS	1.5	--	--	3	20	30	50
B19 HS 1202	Communication SkillsLab	HS	1.5	--	--	3	20	30	50
B19 CS 1204	Programming for Problem Solving Using C Lab	ES	1.5	--	--	3	20	30	50
B19 EE 1203	Basic Electrical & Electronics EngineeringLab	ES	1.5	--	--	2	20	30	50
B19 ME 1204	Engineering Exploration Project	PR	1	--	--	2	--	50	50
TOTAL			21	13	--	16	205	545	750

(5) Resolved to incorporate Workshop practice Lab for Mech. Engg. program in First semester and in Second Semester for CIVIL Engg. program for 1st B.Tech under R19 Regulations. Also discussed & finalized the syllabus for the workshop practice lab.

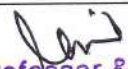
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(3) Resolved to incorporate Engineering Drawing Course for Mech. Engg., CIVIL Engg & E.E.E Programs in the First semester & for CSE, ECE & IT programs in the second semester under R19 Regulations. Also discussed and Finalized the syllabus for Engineering Drawing Course.

Regulation: R19				I / IV - B.Tech. I - Semester					
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 Professor & Head
 Dept. of Mechanical Engg.
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(6) Resolved to incorporate the Engineering Mechanics course for Mech. Engg. program in Second semester for 1/4 B.Tech and finalized the syllabus for the same under R19 Regulation.

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B19 CS1201	Programming for Problem Solving using C	ES	3	3	--	--	25	75	100
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B19 EE 1203	Basic Electrical & Electronics EngineeringLab	ES	1.5	--	--	2	20	30	50
B19 ME 1204	Engineering Exploration Project	PR	1	--	--	2	--	50	50
TOTAL			21	13	--	16	205	545	750

(7) Resolved to offer 2 Program Electives with 3 courses in each Elective for 1/4 M.Tech First semester CAD/CAM program under R19 Regulation.

Regulation: R19			I / II - M.Tech. I - Semester						
MECHANICAL ENGINEERING (CAD/CAM)									
(Under Choice Based Credit System / Elective Course System)									
SCHEME OF INSTRUCTION & EXAMINATION									
(With effect from 2019-20 admitted Batch onwards)									
Course Code	Course Name	Category	Cr.	L	T	P	Int. Marks	Ext. Marks	Total Marks
M19CAD 1101	Geometric Modeling	PC	3	3	0	0	25	75	100
M19CAD 1102	Computer Aided Manufacturing	PC	3	3	0	0	25	75	100
#PE-I	Program Elective-I	PE	3	3	0	0	25	75	100
#PE-II	Program Elective-II	PE	3	3	0	0	25	75	100
M19CAD 1109	Advanced CAD Lab	PC	2	0	0	4	25	75	100
M19CAD 1110	Advanced Manufacturing Lab	PC	2	0	0	4	25	75	100
M19 RD 1101	Research Methodology and IPR	RD	2	2	0	0	25	75	100
M19 AC 1109	Writing Skills forScientific Communication	AC	0	2	0	0	0	0	0
Total			18	16	0	8	175	525	700

	Course Code	Course
#PE-I	M19CAD 1103	Computational Methods in Engineering
	M19CAD 1104	Material Technology
	M19CAD 1105	Mechanical Vibrations
	M19CAD 1106	Mechatronics
#PE-II	M19CAD 1107	Industrial Robotics
	M19CAD 1108	Modelling and Simulation of Manufacturing Systems

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(8) Resolved to offer the following courses in addition to Regular Curriculum for 1/2 M.Tech CAD/CAM First Semester Program under R19 Regulations.

S.No.	Course Name	Credits
1	Research Methodology & IPR	2
2	Writing Skills for Scientific Communication	—

Regulation: R19			I / II - M.Tech. I - Semester						
MECHANICAL ENGINEERING (CAD/CAM)									
(Under Choice Based Credit System / Elective Course System)									
SCHEME OF INSTRUCTION & EXAMINATION									
(With effect from 2019-20 admitted Batch onwards)									
Course Code	Course Name	Category	Cr.	L	T	P	Int. Marks	Ext. Marks	Total Marks
M19CAD 1101	Geometric Modeling	PC	3	3	0	0	25	75	100
M19CAD 1102	Computer Aided Manufacturing	PC	3	3	0	0	25	75	100
#PE-I	Program Elective-I	PE	3	3	0	0	25	75	100
#PE-II	Program Elective-II	PE	3	3	0	0	25	75	100
M19CAD 1109	Advanced CAD Lab	PC	2	0	0	4	25	75	100
M19CAD 1110	Advanced Manufacturing Lab	PC	2	0	0	4	25	75	100
M19 RD 1101	Research Methodology and IPR	RD	2	2	0	0	25	75	100
M19 AC 1109	Writing Skills for Scientific Communication	AC	0	2	0	0	0	0	0
Total			18	16	0	8	175	525	700

	Course Code	Course
#PE-I	M19CAD 1103	Computational Methods in Engineering
	M19CAD 1104	Material Technology
	M19CAD 1105	Mechanical Vibrations
#PE-II	M19CAD 1106	Mechatronics
	M19CAD 1107	Industrial Robotics
	M19CAD 1108	Modelling and Simulation of Manufacturing Systems


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