



**CIVIL
ENGINEERING**

SAGI RAMA KRISHNAM RAJU ENGINEERING COLLEGE (AUTONOMOUS)

Affiliated to JNTUK, Kakinada; Recognized by AICTE, New Delhi
Accredited by NAAC with 'A' Grade, Accredited by NBA (UG: Civil, CSE, ECE, EEE, IT & ME)
Recognised as Scientific and Industrial Research Organisation
CHINA AMIRAM (P.O):: BHIMAVARAM :: W.G.Dt., A.P., INDIA :: PIN: 534 204

Dr. M. Jagapathi Raju
M.Tech (IT, KGP), Ph.D (A.U), FIE, MISTE
PRINCIPAL



Phones: 08816-223332 Ext. 201
Direct: 08816-222748
Mobile No.: 9848381818
Email: principal@srkrec.ac.in
principalsrkrec@gmail.com
Website: www.srkrec.ac.in

SRKREC/BOS/JBS/2020-21

Date: 25.11.2020

To
Dr. P. Gandhi
Chief Scientist
CSIR-Structural Engineering Research Center
CSIR-SERC
Taramani, Chennai-600113.

Dear Sir,

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

We take the privilege in inviting you for the Joint Board of Studies Meeting of SRKR Engineering College on 29.11.2020 (Sunday). It is proposed to discuss and finalize the course structure and syllabi of B. Tech. first year of all branches for the academic year 2020-2021.

In this regard, you are requested to attend the online meeting of the Joint Board of Studies on 29.11.2020 at 9.30 AM. The online meeting link will be provided to you shortly.

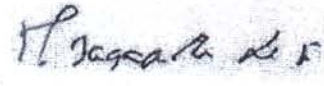
The Board of Studies meetings of the Departments concerned will be conducted at 11.00 AM on the same day (29.11.2020) in online mode.

Kindly accept our invitation and make it convenient to attend the meeting.

Yours Sincerely,


PRINCIPAL
S.R.K.R. Engg. College
BHIMAVARAM-534 204.




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SRKREC/BOS/JBS/2020-21

Date: 25.11.2020

To
Dr. P. Kodanda Rama Rao
Chairman, IE(I) AP State Centre
Dr. K.L. Rao Bhavan
Irrigation Offices Compound, Vijayawada
Krishna Distict-520002.

Dear Sir,

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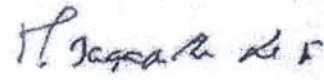
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SRKREC/BOS/JBS/2020-21

Date: 25.11.2020

To
Dr. S.R.K. Reddy
Professor & Mentor (AS&A)
Dept. of Civil Engineering
Gudlalleru Engineering College
Gudlalleru, Krishna District-521356.

Dear Sir,

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

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M. Jagapathi Raju

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S.R.K.R. Engg. College
BHIMAVARAM-534 204.

S.R.K. Reddy

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SRKREC/BOS/JBS/2020-21

Date: 25.11.2020

To
Dr.T.D. Gunneswara Rao
Professor
Dept. of Civil Engineering
National Institute of Technology Warangal
Warangal-506004.

Dear Sir,

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

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SRKREC/BOS/JBS/2020-21

Date: 25.11.2020

To
Dr. V. Ravindra
Professor of Civil Engineering
University College of Engineering Kakinada (UCEK)
JNTUK, Kakinada.

Dear Sir,

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

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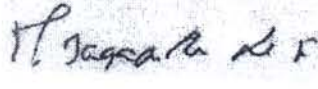
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SAGI RAMA KRISHNAM RAJU ENGINEERING COLLEGE(A)
CHINNA AMIRAM :: BHIMAVARAM-534204
DEPARTMENT OF CIVIL ENGINEERING

Dt: 16-11-2020

CIRCULAR

This is to inform you that the Department of Civil Engineering will convene a meeting on 29-11-2020 at 11.00 AM in Room No. R105(HOD Office) virtually using zoom platform. In this connection, all the Board of Studies members are requested to attend the same.

Agenda:

1. Discussion and finalization of course structure and syllabus of $\frac{1}{4}$ B. Tech under R20 regulations.
2. Approval of syllabus of first year and discussions regarding the course structure for four years.
3. Any other concerns with the permission of the Chair.

HEAD
Dept. of Civil Engg.
S.R.K.R. Engg. College
CHINNA AMIRAM
BHIMAVARAM-534 204.

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

Head of the Department
HEAD
Dept. of Civil Engg.
S.R.K.R. Engg. College
CHINNA AMIRAM
BHIMAVARAM-534 204.

H. Jagapathi Reddy

PRINCIPAL
S.R.K.R. Engg. College
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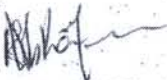
BOARD OF STUDIES MEETING

Date: 29th November 2020

The Board of Studies meeting is conducted in virtual mode (using zoom platform) was held on 29-11-2020 at 11.00 A.M. to discuss the following items:

AGENDA

- 1) Discussion and finalization of course structure and syllabus of 1/4 B.Tech(Civil) under R20 regulations
- 2) Approval of syllabus for first year and discussions regarding the course structure for four years
- 3) Any other item with the permission of the Chair.


HEAD
Dept. of Civil Engg.
S.R.K.R. Engg. College
CHINA AMIRAM
BHIMAVARAM-534.204.


PRINCIPAL
S.R.K.R. Engg. College
BHIMAVARAM-534.204.

MINUTES OF THE MEETING

1. Resolved to offer engineering workshop for civil engineering in the first semester under R20 regulation
2. Resolved to offer engineering drawing course in the first semester and also finalized the syllabus for it
3. Discussed regarding courses related to Honours and Minors in R20 regulation
4. Discussions were made on the courses to include in R20 regulation for all the years
5. Resolved to include Engineering mechanics in the second semester and also discussed the syllabus
6. Discussed regarding the curriculum feedbacks collected from various stakeholders and recommended to academic council.
7. Concluded the meeting with the importance of software tools and its relation to curriculum.

H. Nagapathi Reddy

**PRINCIPAL
S.R.K.R. Engg. College
BHIMAVARAM-534 204.**

[Signature]

**HEAD
Dept. of Civil Engg.
S.R.K.R. Engg. College
CHINA AMIRAM
BHIMAVARAM-534 204.**

RESOLUTIONS FOR THE MEETING DATED 29-11-2020

1. Resolved to offer engineering workshop for civil engineering in the first semester under R20 regulation
2. Resolved to offer engineering drawing course in the first semester and also finalized the syllabus for it




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 ChinnaAmiram, Bhimavaram-534204. (AP)

| Regulation: R20 | | | | I / IV - B. Tech. I - Semester | | | | | |
|---|--------------------------------------|----------|-------------|--------------------------------|----------|----------|------------|------------|-------------|
| CIVIL ENGINEERING | | | | | | | | | |
| (under Choice Based Credit System / Elective Course System) | | | | | | | | | |
| SCHEME OF INSTRUCTION & EXAMINATION | | | | | | | | | |
| (With effect from 2020-21 admitted Batch onwards) | | | | | | | | | |
| Course Code | Course Name | Category | Cr. | L | T | P | Int. Marks | Ext. Marks | Total Marks |
| B20 HS1101 | English | HS | 3 | 3 | 0 | 0 | 30 | 70 | 100 |
| B20 BS1101 | Mathematics-I | BS | 3 | 3 | 0 | 0 | 30 | 70 | 100 |
| B20 BS1102 | Applied Physics | BS | 3 | 3 | 0 | 0 | 30 | 70 | 100 |
| B20 ME1101 | Engineering Drawing | ES | 3 | 2 | 0 | 0 | 30 | 70 | 100 |
| B20 CE1101 | Engineering Geology | ES | 3 | 3 | 0 | 0 | 30 | 70 | 100 |
| B20 CE1102 | Engineering Geology Lab | ES | 1.5 | 0 | 0 | 3 | 15 | 35 | 50 |
| B20 BS1107 | Applied Physics Lab | BS | 1.5 | 0 | 0 | 3 | 15 | 35 | 50 |
| B20 CE1103 | Basics of Civil Engineering Workshop | ES | 1.5 | 0 | 0 | 3 | 15 | 35 | 50 |
| TOTAL | | | 19.5 | 14 | 0 | 9 | 195 | 455 | 650 |

1. Discussed regarding courses related to Honours and Minors in R20 regulation

2. Discussions were made on the courses to include in R20 regulation for all the years

3. Resolved to include Engineering mechanics in the second semester and also discussed the syllabus



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 S.R.K.R. Engg. College
 CHINAAMIRAM
 BHIMAVARAM-534 204.



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Estd:1980

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 Amiram, Bhimavaram-534204. (AP)

| Course Outcomes for First Year First Semester Course | |
|--|---|
| Course Code: B20CE1103 | |
| Course Title: BASICS OF CIVIL ENGINEERING WORK SHOP | |
| CO-1 | Identify various components of a building and give lump-sum estimate |
| CO-2 | Determine distances and irregular areas using conventional survey instruments like chain, tape and cross-staff. |
| CO-3 | Identify different soils |
| CO-4 | Determine centre of gravity and moment of inertia of channel and I-sections |
| CO-5 | Prepare a single room building plan as per the building bye laws |
| CO-6 | Select simple sanitary fitting |
| CO-7 | Illustrate the process of making cement mortar / concrete for nominal mix |

| Regulation: R20 | | | | I / IV - B.Tech. II - Semester | | | | | |
|---|---|----------|-------------|--------------------------------|----------|-----------|------------|------------|-------------|
| CIVIL ENGINEERING (under Choice Based Credit System / Elective Course System) | | | | | | | | | |
| SCHEME OF INSTRUCTION & EXAMINATION (With effect from 2020-21 admitted Batch onwards) | | | | | | | | | |
| Course Code | Course Name | Category | Cr. | L | T | P | Int. Marks | Ext. Marks | Total Marks |
| B20 BS1201 | Mathematics-II | BS | 3 | 3 | 0 | 0 | 30 | 70 | 100 |
| B20 BS1203 | Applied Chemistry | BS | 3 | 3 | 0 | 0 | 30 | 70 | 100 |
| B20 CS1201 | Programming for Problem Solving Using C | ES | 3 | 3 | 0 | 0 | 30 | 70 | 100 |
| B20 CE1201 | Engineering Mechanics | ES | 3 | 3 | 0 | 0 | 30 | 70 | 100 |
| B20 CE1202 | Building Materials and Concrete Technology | ES | 3 | 3 | 0 | 0 | 30 | 70 | 100 |
| B20 BS1208 | Applied Chemistry Lab | BS | 1.5 | 0 | 0 | 3 | 15 | 35 | 50 |
| B20 HS1202 | Communication Skills Lab | HS | 1.5 | 0 | 0 | 3 | 15 | 35 | 50 |
| B20 CS1205 | Programming for Problem Solving Using C Lab | ES | 1.5 | 0 | 0 | 3 | 15 | 35 | 50 |
| B20 MC1201 | Environmental Science | MC | 0 | 2 | 0 | 0 | -- | -- | -- |
| B20 MC1203 | National Service Scheme (NSS) | MC | 0 | 0 | 0 | 2 | -- | -- | -- |
| TOTAL | | | 19.5 | 17 | 0 | 11 | 195 | 455 | 650 |

6. Discussed regarding the curriculum feedbacks collected from various stakeholders and recommended to academic council.

7. Concluded the meeting with the importance of software tools and its relation to curriculum.

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