COMPUTER SCIENCE AND ENGINEERING

PROCEEDINGS OF THE PRINCIPAL

Ref. No: SRKREC/Committee/BoS/CSE/4   **Date: 23-11-2020**

Sub: Appointment of BoS members for Computer Science and Engineering (CSE) department-Reg.

The following members are nominated as Board of Studies members for the Department of Computer Science and Engineering (CSE). This orderwill come into force with immediate effectuntil further orders.

S.No	Name	Position in the committee	Associated with
01	Dr. V Chandra Sekhar	Chairman	Associate Professor & Head, Department of CSE, SRKREC.
02	Dr. K Ramprasada Raju	Faculty of each Specialization	Professor, Department of CSE, SRKREC
03	Dr. M S V S Bhadriraju		Professor, Department of CSE, SRKREC
04	Dr. K V Krishnam Raju		Associate Professor, Department of CSE, SRKREC
05	Dr. G Mahesh		Associate Professor, Department of CSE, SRKREC
06	Dr. N K Kameswara Rao		Associate Professor, Department of CSE, SRKREC
07	Dr. R N V Jagan Mohan		Associate Professor, Department of CSE, SRKREC
08	Dr. K S R Radhika		Associate Professor, Department of CSE, SRKREC
09	Dr. S Viswanadha Raju	Experts from Other Universities	Professor, Department of CSE, Vice-Principal JNTUH College of Engineering, Jagtial,Telangana
10	Dr. KaSelvaradjou		Professor, Department of CSE, Pondicherry Engineering College, Pondicherry
11	Dr. O Srinivasa Rao	JNTUK Nominee	Professor, Department of CSE, University College of Engineering Kakinada(UCEK), JNTUK, Kakinada
12	Smt. Vani Vegesna	Expert from Research Organization	Scientist 'G' at ADA-Aeronautical Development Agency, Bangalore
13	Ramesh Paturi	Expert from Professional Body	Director, Business Acceleration Service, Microsoft Services

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

c.c.to:
1. Principal's table
2. HOD, CSE. .   3) All the above Members 4 Office file

Pin : 534 204.

SAGI RAMA KRISHNAM RAJU ENGINEERING COLLEGE(A)

(AFFILIATED TO JNTUK, Kakinada&Recognized by A.I.C.T.E. Govt. of India)
(Accredited by N.B.A., A.I.C.T.E., New Delhi)
China Amiram, **BHIMAVARAM**, W.G. Dist., A.P., INDIA:Pin: 534204

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Dr. V. CHANDRA SEKHAR
M.Tech(CST), Ph.D.,(AU), MACM, MIEEE
HEAD OF THE DEPARTMENT

Dept: +91-8816-223332,EXT.213
Phone: +91-9440351652
Email: cse@srkrec.ac.in
       dr.vcs@srkrec.ac.in

18ᵗʰ September2021

To,
Dr. S Viswanadha Raju
Vice-Principal
JNTUH College of Engg, Jagityal
Telangana

Dear Sir,

Sub: SRKR Engineering College- Department of CSE – Board of Studies meeting – Invitation – Reg.

We take the privilege in inviting you for the Board of Studies meeting of department of Computer Science and Engineering, SRKR Engineering College on 20-09-2021(Monday). It is proposed to discuss and finalize the following for the academic year 2021-2022.

1. R19 B.Tech(CSE) III year I & II sem course structure and syllabi, IV year Course structure
2. R20 B.Tech(CSE) II year I and II sem course structure and syllabi, III & IV year course structure.
3. R20 B.Tech(AI & ML) I year I and II sem course structure and syllabi
4. R20 B.Tech(CSD) I year I and II sem course structure and syllabi
5. Open electives (R19 & R20), Minor and Honor tracks for R20

In this regard, you are requested to attend the online meeting of the Board of Studies of department of Computer Science and Engineering **on 20-09-2021 at 11.00 am**. The online meeting link will be mailed to you shortly.

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

Thanking your sir,

Yours Sincerely

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

(Dr. V. Chandra Sekhar)
Head of the department &
Chairman- Board of Studies

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Email: cse@srkrec.ac.in
     dr.vcs@srkrec.ac.in

18th September2021

To,

Dr. Ka. Selvaradjou
Professor- Dept. of CSE
Pondicherry Engineering College,
Pondicherry- 605014

Dear Sir,

Sub: SRKR Engineering College- Department of CSE – Board of Studies meeting –
    Invitation – Reg.

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        dr.vcs@srkrec.ac.in

18ᵗʰ September2021

To,
Prof. O Srinivasa Rao
Department of CSE
University College of Engg.,
JNTUK, Kakinada

Dear Sir,

Sub: SRKR Engineering College- Department of CSE – Board of Studies meeting –
Invitation – Reg.

We take the privilege in inviting you for the Board of Studies meeting of department of Computer Science and Engineering, SRKR Engineering College on 20-09-2021(Monday). It is proposed to discuss and finalize the following for the academic year 2021-2022.

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

(Dr. V. Chandra Sekhar)
Head of the department &
Chairman- Board of Studies

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Email: cse@srkrec.ac.in
dr.vcs@srkrec.ac.in

18th September2021

To,
Smt. Vani Vegesna
Scientis-G
Aeronautical Development Agency(ADA)
Bengalore

Respected madam,

Sub: SRKR Engineering College- Department of CSE – Board of Studies meeting – Invitation – Reg.

We take the privilege in inviting you for the Board of Studies meeting of department of Computer Science and Engineering, SRKR Engineering College on 20-09-2021(Monday). It is proposed to discuss and finalize the following for the academic year 2021-2022.

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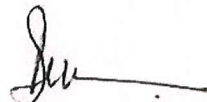5. Open electives (R19 & R20), Minor and Honor tracks for R20

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Thanking your sir,

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

Yours Sincerely

(Dr. V. Chandra Sekhar)
Head of the department &
Chairman- Board of Studies

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dr.vcs@srkrec.ac.in

18th September2021

To,
Sri Ramesh Paturi
Director – Business Acceleration Service
Microsoft Services

Dear Sir,

Sub: SRKR Engineering College- Department of CSE – Board of Studies meeting – Invitation – Reg.

We take the privilege in inviting you for the Board of Studies meeting of department of Computer Science and Engineering, SRKR Engineering College on 20-09-2021(Monday). It is proposed to discuss and finalize the following for the academic year 2021-2022.

1. R19 B.Tech(CSE) III year I & II sem course structure and syllabi, IV year Course structure
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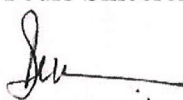5. Open electives (R19 & R20), Minor and Honor tracks for R20

In this regard, you are requested to attend the <u>online meeting</u> of the Board of Studies of department of Computer Science and Engineering **on 20-09-2021 at 11.00 am**. The online meeting link will be mailed to you shortly.

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

Thanking your sir,

Yours Sincerely

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

(Dr. V. Chandra Sekhar)
Head of the department &
Chairman- Board of Studies

Dt: 17-09-2021

CIRCULAR

This is to inform you that the Board of Studies (UG) meeting of the department of Computer Science & Engineering will be held on 20-09-2021 at 11.00 A.M. in virtual mode using Zoom platform with the following agenda. In this connection, all the Board of Studies members are requested to attend the same.

Agenda:

1. To discuss and approve R19 B.Tech(CSE) III year I & II sem course structure and syllabi, IV year Course structure
2. To discuss and approve R20 B.Tech(CSE) II year I and II sem course structure and syllabi, III & IV year course structure.
3. To discuss and approve R20 B.Tech(AI & ML) I year I and II sem course structure and syllabi
4. To discuss and approve R20 B.Tech(CSD) I year I and II sem course structure and syllabi
5. To discuss and approve Open electives (R19 & R20), Minor and Honor tracks for R20
6. To design the curriculum focusing on skill development, Employability, and Entrepreneurship
7. To introduce new courses based on current and upcoming society and industrial needs
8. To discuss the curriculum feedback analysis report
9. Any other issues related to syllabus

Head of the Department
Head of the Department
Computer Sceince & Engineering
S.R.K.R.Engineering College
BHIMAVARAM-534 204 A.P., INDIA

C.C to:
1. The Members of the Board of Studies
2. Office file

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Dr. V. Chandra Sekhar, Ph.D.
Associate Professor & Head

Dept: +91-8816-223332,EXT.213
Phone: +91-9440351652
Email: cse@srkrec.ac.in

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20-09-2021

Minutes of Meeting

A Meeting of Board of Studies of the department of Computer Science and Engineering is held on 20th September 2021 in virtual mode with the following points of agenda.

Agenda

1. To discuss and approve R19 B.Tech. (CSE) III year I & II sem course structure and syllabi, IV year Course structure
2. To discuss and approve R20 B.Tech. (CSE) II year I and II sem course structure and syllabi, III & IV year course structure.
3. To discuss and approve R20 B.Tech .(AI & ML) I year I and II sem course structure and syllabi
4. To discuss and approve R20 B.Tech. (CSD) I year I and II sem course structure and syllabi
5. To discuss and approve Open electives (R19 & R20), Minor and Honor tracks for R20
6. To design the curriculum focusing on skill development, Employability, and Entrepreneurship
7. To introduce new courses based on current and upcoming society and industrial needs
8. To discuss the curriculum feedback analysis report
9. To present vision, mission, PEOs and PSOs of the department
10. Any other issues related to the syllabus

Members Present

S.No	Category	Name of the Member	Position	Signature
1	Chairman	Dr. V Chandra Sekhar	Associate Professor & HOD Dept. of CSE, SRKREC	
2	JNTUK Nominee	Dr. O. Srinivasa Rao	Professor, Dept. of CSE, University College of	

			Engineering Kakinada (UCEK), JNTU Kakinada .	
3	Experts from Other Universities	Dr. S. Viswanadha Raju	Professor Dept. of CSE, Vice Principal, JNTUH College of Engineering Jagtial , Nachupally (Kondagattu), Kodimial Mandal,Jagtial Dist.Telangana - 505 501	Attended Online
4		Dr. Ka. Selvaradjou	Professor Dept. of CSE, Pondicherry Engineering College Puducherry - 605 014	Attended Online
5	Industry Expert	Sri. Ramesh Paturi	Director, Business Acceleration Service, Microsoft Services	Attended Online
6	Faculty of each Specialization	Dr. V Krishnam Raju Kalidindi	Associate Professor, Dept. of CSE, SRKREC	k v k — lw
7		Dr. Mahesh Gadiraju	Associate Professor Dept. of CSE, SRKREC	C- nwwmm
8		Dr. N K Kameswara Rao	Associate Professor Dept. of CSE, SRKREC	Kamal
9		Dr. R N V Jagan Mohan	Associate Professor Dept. of CSE, SRKREC	Lstn
10		Dr. K S R Radhika	Associate Professor Dept. of CSE, SRKREC	Attended Online

Discussion

The chairman presented the following to the board of studies members:
1. R19 B.Tech(CSE) III year I & II sem course structure and syllabi, IV year Course structure
2. R20 B.Tech(CSE) II year I and II sem course structure and syllabi, III & IV year course structure.
3. R20 B.Tech(AI & ML) I year I and II sem course structure and syllabi
4. R20 B.Tech(CSD) I year I and II sem course structure and syllabi
5. Open electives (R19 & R20), Minor and Honor tracks for R20
6. Stakeholders' curriculum feedback analysis report
7. The vision, mission, PEOs and PSOs of the department of CSE that are approved in governing body meeting dated 2-4-21 are presented to the BOS members

All members thoroughly discussed the points of agenda and suggested modifications to the syllabi, Text and reference books.

Resolutions

1. It is resolved to modify the proposed syllabus and course structure of R19 B.Tech. (CSE) III year, R20 B.Tech. (CSE) II year, and course structure of R19 B.Tech. (CSE) IV year, as per the suggestions given by the members of BOS and in accordance with the Choice-Based Credit System (CBCS) framework

2. The 1st year course structure and syllabi of the newly introduced B.Tech. programmes such as Artificial Intelligence and Machine Learning, and Computer Science & Design have been discussed and approved by the BOS members.
3. It is resolved to design the curriculum focusing on skill development, Employability, and Entrepreneurship
4. It is resolved to introduce new courses and revise the syllabus to meet the current and upcoming societal and industrial needs
5. Stakeholders' feedback analysis report has been discussed and it has been resolved to incorporate stakeholders' feedback in designing the syllabus.
6. The list of open elective courses, along with their corresponding syllabi, has been reviewed and approved.
7. The list of minor and honor track courses along with their corresponding syllabi, have been discussed and approved.

(Dr V Chandra Sekhar)
Chairman- Board of Studies
Head – Department of CSE

Head of the Department
Computer Science & Engineer
S.R.K.R. Engineering College
BHIMAVARAM-534 204, A.P., INDIA

With reference to Board of Studies meeting dated 20-09-2021,

Resolution 1:

It is resolved to modify the proposed syllabus and course structure as per the suggestions given by the members of BOS and in accordance with Choice Based Credit System (CBCS) framework.

SAGI RAMA KRISHNAM RAJU ENGINEERING COLLEGE
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CHINNA AMIRAM (P.O):: BHIMAVARAM :: W.G.Dt., A.P., INDIA :: PIN: 534 204
Estd:1980

Regulation: R20		II / IV - B.Tech. I - Semester							
COMPUTER SCIENCE & ENGINEERING									
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 BS 2101	Numerical Methods & Vector Calculus	BS	3	3	0	0	30	70	100
B20 CS 2101	Object Oriented Programming through C++	PC	3	3	0	0	30	70	100
B20 CS 2102	Software Engineering	PC	3	3	0	0	30	70	100
B20 CS 2103	Operating Systems	PC	3	3	0	0	30	70	100
B20 CS 2104	Python Programming	PC	3	3	0	0	30	70	100
B20 CS 2105	Object Oriented Programming Lab	PC	1.5	0	0	3	15	35	50
B20 CS 2106	Python Programming Lab	PC	1.5	0	0	3	15	35	50
B20 CS 2107	Operating Systems Lab	PC	1.5	0	0	3	15	35	50
B20 CS 2108	Web Application Development Using Full Stack	SOC	2	0	0	4	--	50	50
B20 MC 2101	Environmental Science	MC	0	2	0	0	--	--	--
B20 MC 2103	English Proficiency	MC	0	2	0	0	--	--	--
	TOTAL		21.5	19	0	13	195	505	700

Regulation: R20				II / IV - B.Tech. II - Semester					
COMPUTER SCIENCE & ENGINEERING									
SCHEME OF INSTRUCTION & EXAMINATION (With effect from 2020-21 admitted Batch onwards)									
Course Code	Course Name	Catego ry	Cr	L	T	P	Int. Marks	Ext. Marks	Total Marks
B20 BS 2201	Probability and Statistics	BS	3	3	0	0	30	70	100
B20 CS 2201	Data Base Management Systems	PC	3	3	0	0	30	70	100
B20 CS 2202	Design and Analysis of Algorithms	PC	3	3	0	0	30	70	100
B20 CS 2203	Java Programming	ES	3	3	0	0	30	70	100
B20 HS 2201	Managerial Economics and Financial Accountancy	HS	3	3	0	0	30	70	100
B20 CS 2204	Data Base Management Systems Lab	PC	1.5	0	0	3	15	35	50
B20 CS 2205	R Programming Lab	PC	1.5	0	0	3	15	35	50
B20 CS 2206	Java Programming Lab	ES	1.5	0	0	3	15	35	50
B20 CS 2207	Applications of Python using Numpy and Pandas	SOC	2	0	0	4	--	50	50
	TOTAL		21.5	15	0	13	195	505	700

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Estd:1980

COMPUTER SCIENCE & ENGINEERING
(Accredited by NBA)
SCHEME OF INSTRUCTION & EXAMINATION
(Regulation R19)
III/IV B.TECH
I-SEMESTER
(With effect from **2019-2020**Admitted Batch onwards)

Subject Code	Name of the Subject	Category	Cr	L	T	P	Internal Marks	External Marks	Total Marks
B19 CS 3101	Data Warehousing and Data Mining	PC	3	3	--	--	25	75	100
B19 CS 3102	Computer Networks	PC	3	3	--	--	25	75	100
B19 CS 3103	Formal Languages and Automata Theory	PC	3	3	--	--	25	75	100
B19 CS 3104	Web Technologies	PC	3	3	--	--	25	75	100
= PE-I	Professional Elective-I	PE	3	3	--	--	25	75	100
B19 CS 3110	Computer Networks Lab	PC	1.5	--	--	3	20	30	50
B19 CS 3111	Web Technologies Lab	PC	1.5	--	--	3	20	30	50
B19 CS 3112	Data Mining Lab	PC	1.5	--	--	3	20	30	50
B19 MC 3101	Employability Skills-I	MC	0	3	--	--	--	--	--
B19 MC 3103	Advanced Coding	MC	0	--	--	3	--	--	--
	TOTAL		**19.5**	**18**	**--**	**12**	**185**	**465**	**650**

	Course Code	Course
=PE-I	B19 CS 3105	Computer Graphics
	B19 CS 3106	Principles of Programming Languages
	B19 CS 3107	Scripting Languages
	B19 CS 3108	Advanced Computer Architecture
	B19 CS 3109	Software Testing Methodologies

COMPUTER SCIENCE & ENGINEERING
(Accredited by NBA)
SCHEME OF INSTRUCTION & EXAMINATION
(Regulation R19)
III/IV B.TECH
II-SEMESTER
(With effect from **2019-2020** Admitted Batch onwards)

Subject Code	Name of the Subject	Category	Cr	L	T	P	Internal Marks	External Marks	Total Marks
B19 HS 3201	Managerial Economics and Financial Accountancy	HS	3	3	--	--	25	75	100
B19 CS 3201	Compiler Design	PC	3	3	--	--	25	75	100
B19 CS 3202	UML & Design Pattern	PC	3	3	--	--	25	75	100
B19 CS 3203	Artificial Intelligence	PC	3	3	--	--	25	75	100
B19 CS 3204	MOOCs-I	PE	3	3	--	--	25	75	100
#OE-I	Open Elective-I	OE	3	3	--	--	25	75	100
B19 CS 3205	UML Lab	PC	1.5	--	--	3	20	30	50
B19 CS 3206	Data Analysis and Visualization using Python Lab	PC	1.5	--	--	3	20	30	50
B19 CS 3207	Industrial Training/ Internship/Research Projects in National Laboratories/ Academic Institutions	PR	1	--	--	--	--	50	50
B19 MC 3201	Employability Skills-II	MC	0	3	--	--	--	--	--
B19 MC 3204	Competitive Coding	MC	0	--	--	3	--	--	--
		TOTAL	22	21	--	9	190	560	750

#OE-I	Student has to study one Open Elective offered by CE or ECE or EEE or ME or EM&H from the list enclosed.

Resolution 2:

It is resolved to design the curriculum focusing on skill development, Employability, and Entrepreneurship

B.Tech(CSE) courses having focus on employability/ entrepreneurship/skill development courses

S.NO	Name of the Course	Course Code	Employability/ Entrepreneurship/ Skill development
1	NUMERICAL METHODS & VECTOR CALCULUS	B20BS2101	skill development
2	OBJECT ORIENTED PROGRAMMING THROUGH C++	B20CS2101	employability
3	SOFTWARE ENGINEERING	B20CS2102	skill development
4	OPERATING SYSTEMS	B20CS2103	employability
5	PYTHON PROGRAMMING	B20CS2104	employability
6	OBJECT ORIENTED PROGRAMMING LAB	B20CS2105	employability
7	PYTHON PROGRAMMING LAB	B20CS2106	skill development
8	OPERATING SYSTEMS LAB	B20CS2107	employability
9	WEB APPLICATION DEVELOPMENT USING FULL STACK	B20CS2108	employability
10	ENVIRONMENTAL SCIENCE	B20MC2101	employability
11	ENGLISH PROFICIENCY	B20MC2103	employability
12	PROBABILITY AND STATISTICS	B20 BS 2201	employability
13	DATABASE MANAGEMENT SYSTEMS	B20 CS 2201	skill development
14	DESIGN AND ANALYSIS OF ALGORITHMS	B20 CS 2202	employability
15	JAVA PROGRAMMING	B20 CS 2203	employability
16	MANAGERIAL ECONOMICS AND FINANCIAL ACCOUNTANCY	B20 HS 2201	employability
17	DATABASE MANAGEMENT SYSTEMS LAB	B20 CS 2204	employability
18	R PROGRAMMING LAB	B20 CS 2205	employability
19	JAVA PROGRAMMING LAB	B20 CS 2206	employability
20	APPLICATIONS OF PYTHON USING NUMPY AND PANDAS	B20CS2207	employability
21	DATA WAREHOUSING AND DATA MINING	B19CS3101	employability
22	COMPUTER NETWORKS	B19CS3102	employability
23	FORMAL LANGUAGES AND AUTOMATA THEORY	B19CS3103	employability
24	WEB TECHNOLOGIES	B19CS3104	employability
25	COMPUTER GRAPHICS # PE-I	B19CS3105	employability
26	PRINCIPLES OF PROGRAMMING LANGUAGES # PE-I	B19CS3106	employability
27	SCRIPTING LANGUAGES # PE-I	B19CS3107	skill development
28	ADVANCED COMPUTER ARCHITECTURE # PE-I	B19CS3108	employability
29	SOFTWARE TESTING METHODOLOGIES # PE-I	B19CS3109	entrepreneurship
30	COMPUTER NETWORKS LAB	B19CS3110	employability
31	WEB TECHNOLOGIES LAB	B19CS3111	skill development
32	DATA MINING LAB	B19CS3112	skill development
33	EMPLOYABILITY SKILLS - I	B19MC3101	employability
34	ADVANCED CODING	B19MC3103	skill development
35	MANAGERIAL ECONOMICS AND FINANCIAL ACCOUNTANCY	B19HS3201	employability
36	COMPILER DESIGN	B19 CS 3201	employability
37	UML & DESIGN PATTERNS	B19 CS 3202	skill development
38	ARTIFICIAL INTELLIGENCE	B19 CS 3203	employability
39	MOOCs-I	B19 CS 3204	employability
40	UML Lab	B19CS3205	skill development
41	DATA ANALYSIS AND VISUALIZATION USING PYTHON LAB	B19CS3206	employability
42	INDUSTRIAL TRAINING/INTERNSHIP/ RESEARCH PROJECTS IN NATIONAL LABORATORIES/ ACADEMIC INSTITUTIONS	B19CS3207	skill development
43	EMPLOYABILITY SKILLS II	B19MC3201	skill development
44	COMPETITIVE CODING	B19MC3204	entrepreneurship

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Resolution 3: It is resolved to introduce new courses, and revise the syllabus that meets the current and upcoming society and industrial needs

Regulation: R20				II / IV - B.Tech. I - Semester				
COMPUTER SCIENCE & ENGINEERING								
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 BS 2101	Numerical Methods & Vector Calculus	BS	3	3	0	0	30	70	100
B20 CS 2101	Object Oriented Programming through C++	PC	3	3	0	0	30	70	100
B20 CS 2102	Software Engineering	PC	3	3	0	0	30	70	100
B20 CS 2103	Operating Systems	PC	3	3	0	0	30	70	100
B20 CS 2104	Python Programming	PC	3	3	0	0	30	70	100
B20 CS 2105	Object Oriented Programming Lab	PC	1.5	0	0	3	15	35	50
B20 CS 2106	Python Programming Lab	PC	1.5	0	0	3	15	35	50
B20 CS 2107	Operating Systems Lab	PC	1.5	0	0	3	15	35	50
B20 CS 2108	Web Application Development Using Full Stack	SOC	2	0	0	4	--	50	50
B20 MC 2101	Environmental Science	MC	0	2	0	0	--	--	--
B20 MC 2103	English Proficiency	MC	0	2	0	0	--	--	--
	TOTAL		21.5	19	0	13	195	505	700

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** Subjects highlighted in green colour are newly added subjects and subjects highlighted in yellow colour are revised subjects

Regulation: R20		II / IV - B.Tech. II - Semester								
COMPUTER SCIENCE & ENGINEERING										
SCHEME OF INSTRUCTION & EXAMINATION (With effect from 2020-21 admitted Batch onwards)										
Course Code	Course Name	Catego ry	Cr	L	T	P	Int. Marks	Ext. Marks	Total Marks	
B20 BS 2201	Probability and Statistics	BS	3	3	0	0	30	70	100	
B20 CS 2201	Data Base Management Systems	PC	3	3	0	0	30	70	100	
B20 CS 2202	Design and Analysis of Algorithms	PC	3	3	0	0	30	70	100	
B20 CS 2203	Java Programming	ES	3	3	0	0	30	70	100	
B20 HS 2201	Managerial Economics and Financial Accountancy	HS	3	3	0	0	30	70	100	
B20 CS 2204	Data Base Management Systems Lab	PC	1.5	0	0	3	15	35	50	
B20 CS 2205	R Programming Lab	PC	1.5	0	0	3	15	35	50	
B20 CS 2206	Java Programming Lab	ES	1.5	0	0	3	15	35	50	
B20 CS 2207	Applications of Python using Numpy and Pandas	SOC	2	0	0	4	--	50	50	
	TOTAL		**21.5**	**15**	**0**	**13**	**195**	**505**	**700**	

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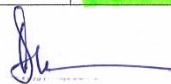
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(AUTONOMOUS)
(Affiliated to JNTUK, Kakinada), (Recognized by AICTE, New Delhi)
Accredited by NAAC with 'A' Grade, All UG Programmes are Accredited by NBA
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Estd:1980

COMPUTER SCIENCE & ENGINEERING
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SCHEME OF INSTRUCTION & EXAMINATION
(Regulation R19)
III/IV B.TECH
I-SEMESTER
(With effect from **2019-2020**Admitted Batch onwards)

Subject Code	Name of the Subject	Category	Cr	L	T	P	Internal Marks	External Marks	Total Marks
B19 CS 3101	Data Warehousing and Data Mining	PC	3	3	--	--	25	75	100
B19 CS 3102	Computer Networks	PC	3	3	--	--	25	75	100
B19 CS 3103	Formal Languages and Automata Theory	PC	3	3	--	--	25	75	100
B19 CS 3104	Web Technologies	PC	3	3	--	--	25	75	100
# PE-I	Professional Elective-I	PE	3	3	--	--	25	75	100
B19 CS 3110	Computer Networks Lab	PC	1.5	--	--	3	20	30	50
B19 CS 3111	Web Technologies Lab	PC	1.5	--	--	3	20	30	50
B19 CS 3112	Data Mining Lab	PC	1.5	--	--	3	20	30	50
B19 MC 3101	Employability Skills-I	MC	0	3	--	--	--	--	--
B19 MC 3103	Advanced Coding	MC	0	--	--	3	--	--	--
		TOTAL	19.5	18	--	12	185	465	650

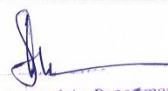|	Course Code	Course
#PE-I	B19 CS 3105	Computer Graphics
	B19 CS 3106	Principles of Programming Languages
	B19 CS 3107	Scripting Languages
	B19 CS 3108	Advanced Computer Architecture
	B19 CS 3109	Software Testing Methodologies

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SCHEME OF INSTRUCTION & EXAMINATION
(Regulation R19)
III/IV B.TECH
II-SEMESTER
(With effect from **2019-2020**Admitted Batch onwards)

Subject Code	Name of the Subject	Category	Cr	L	T	P	Internal Marks	External Marks	Total Marks
B19 HS 3201	Managerial Economics and Financial Accountancy	HS	3	3	--	--	25	75	100
B19 CS 3201	Compiler Design	PC	3	3	--	--	25	75	100
B19 CS 3202	UML & Design Pattern	PC	3	3	--	--	25	75	100
B19 CS 3203	Artificial Intelligence	PC	3	3	--	--	25	75	100
B19 CS 3204	MOOCs-I	PE	3	3	--	--	25	75	100
#OE-I	Open Elective-I	OE	3	3	--	--	25	75	100
B19 CS 3205	UML Lab	PC	1.5	--	--	3	20	30	50
B19 CS 3206	Data Analysis and Visualization using Python Lab	PC	1.5	--	--	3	20	30	50
B19 CS 3207	Industrial Training/ Internship/Research Projects in National Laboratories/ Academic Institutions	PR	1	--	--	--	--	50	50
B19 MC 3201	Employability Skills-II	MC	0	3	--	--	--	--	--
B19 MC 3204	Competitive Coding	MC	0	--	--	3	--	--	--
	TOTAL		22	21	--	9	190	560	750

#OE-I	Student has to study one Open Elective offered by CE or ECE or EEE or ME or EM&H from the list enclosed.

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Resolution 4: Stake holders' feedback analysis report has been discussed and it has been resolved to incorporate stakeholder's feedback in designing the syllabus.
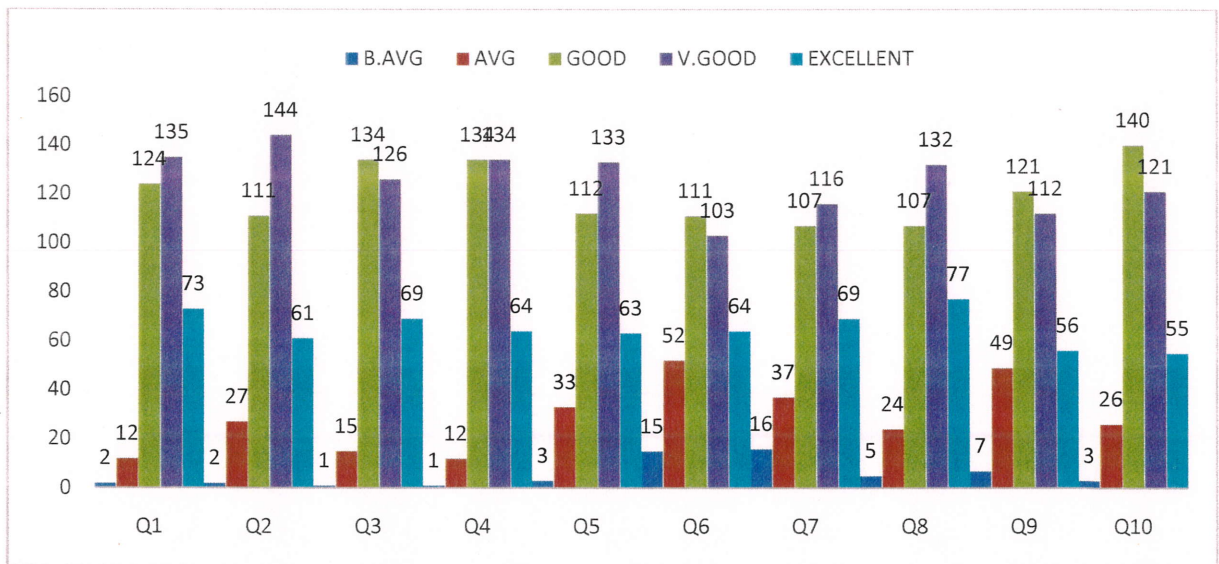
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Feedback Analysis Report 2020-2021 (B.Tech.)

Student Feedback

Q.No	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
B.AVG	2	2	1	1	3	15	16	5	7	3
AVG	12	27	15	12	33	52	37	24	49	26
GOOD	124	111	134	134	112	111	107	107	121	140
V.GOOD	135	144	126	134	133	103	116	132	112	121
EXCELLENT	73	61	69	64	63	64	69	77	56	55
TOTAL	345	345	345	345	344	345	345	345	345	345

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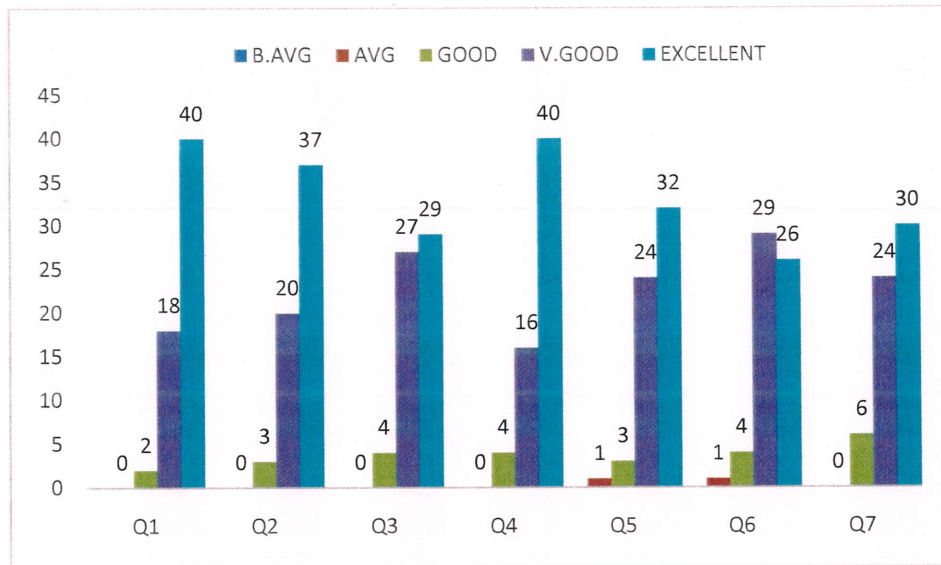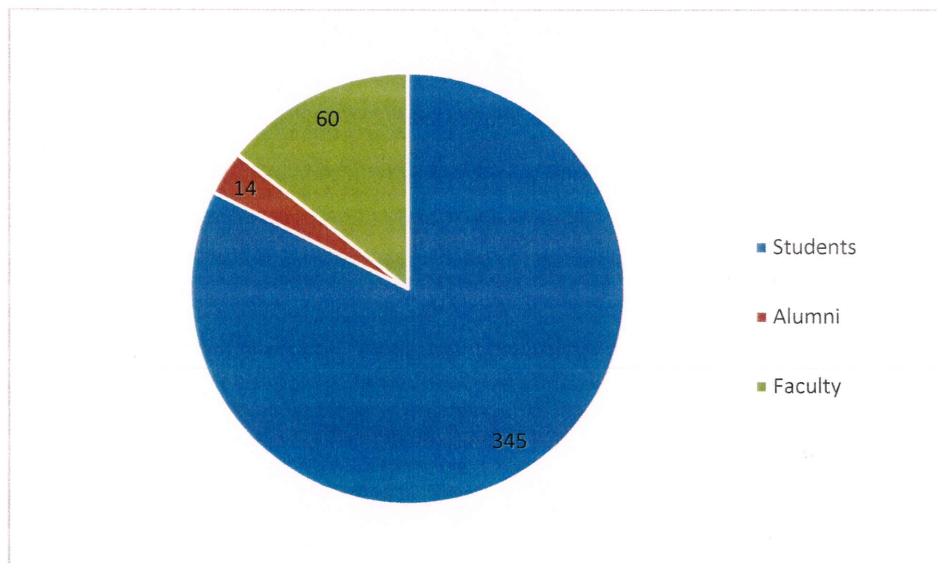S.R.K.R.Engineering College
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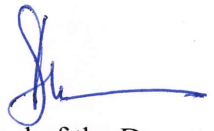
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Alumni Feedback

Q.NO	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12
B.AVG	0	0	0	0	0	0	0	0	0	0	0	0
AVG	0	0	0	0	0	1	0	0	0	0	0	0
GOOD	2	3	3	6	5	4	3	1	2	7	2	4
V.GOOD	8	5	4	5	5	6	5	4	8	3	5	6
EXCELLENT	4	6	7	3	4	3	6	9	4	4	7	4
TOTAL	14	14	14	14	14	14	14	14	14	14	14	14

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Faculty Feedback

Q.NO	Q1	Q2	Q3	Q4	Q5	Q6	Q7
B.AVG	0	0	0	0	0	0	0
AVG	0	0	0	0	1	1	0
GOOD	2	3	4	4	3	4	6
V.GOOD	18	20	27	16	24	29	24
EXCELLENT	40	37	29	40	32	26	30
TOTAL	60	60	60	60	60	60	60

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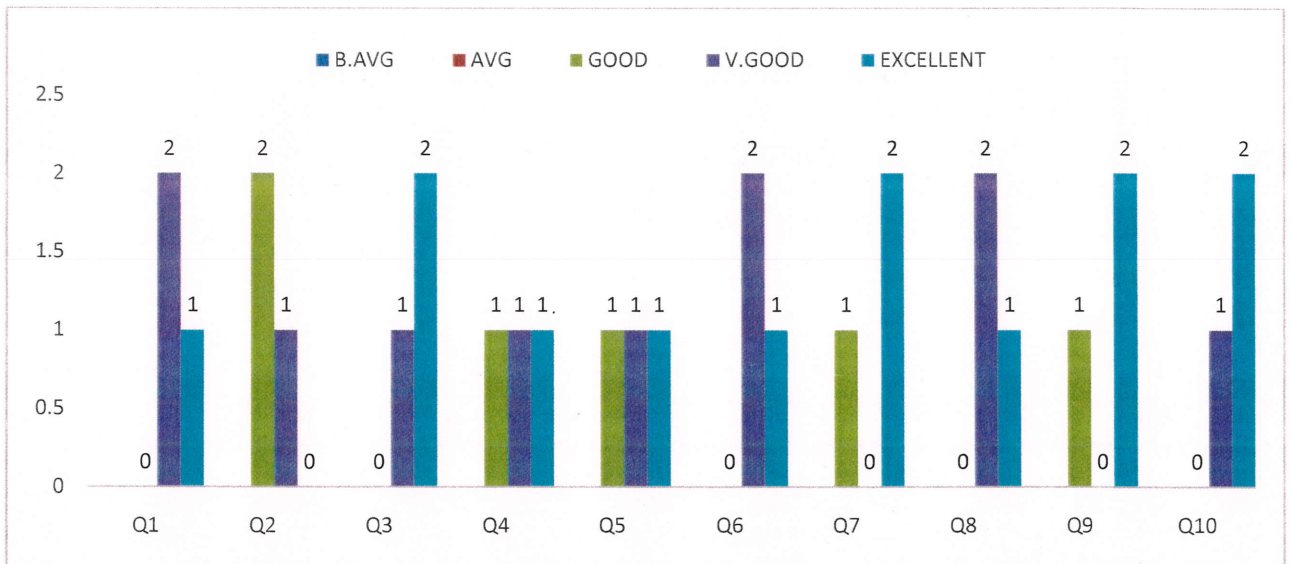S.R.K.R.Engineering College
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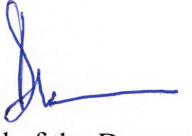## Department of Computer Science & Engineering

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Students	345
Alumni	14
Faculty	60

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Student Feedback

Q.No	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
B.AVG	0	0	0	0	0	0	0	0	0	0
AVG	0	0	0	0	0	0	0	0	0	0
GOOD	0	2	0	1	1	0	1	0	1	0
V.GOOD	2	1	1	1	1	2	0	2	0	1
EXCELLENT	1	0	2	1	1	1	2	1	2	2
TOTAL	3	3	3	3	3	3	3	3	3	3

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Alumni Feedback

Q.NO	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12
B.AVG	0	0	0	0	0	0	0	0	0	0	0	0
AVG	0	0	0	0	0	0	0	0	0	0	1	0
GOOD	1	1	1	1	0	1	1	1	1	0	0	0
V.GOOD	2	1	1	2	0	1	2	1	0	2	2	0
EXCELLENT	1	2	2	1	4	2	1	2	3	2	1	4
TOTAL	4	4	4	4	4	4	4	4	4	4	4	4

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Feedback Analysis Report 2020-2021 (M.Tech.)

Faculty Feedback

Q.NO	Q1	Q2	Q3	Q4	Q5	Q6	Q7
B.AVG	0	0	0	0	0	0	0
AVG	0	0	0	0	0	0	0
GOOD	1	0	1	1	1	1	1
V.GOOD	1	2	3	0	3	3	2
EXCELLENT	4	4	2	5	2	2	3
TOTAL	6	6	6	6	6	6	6

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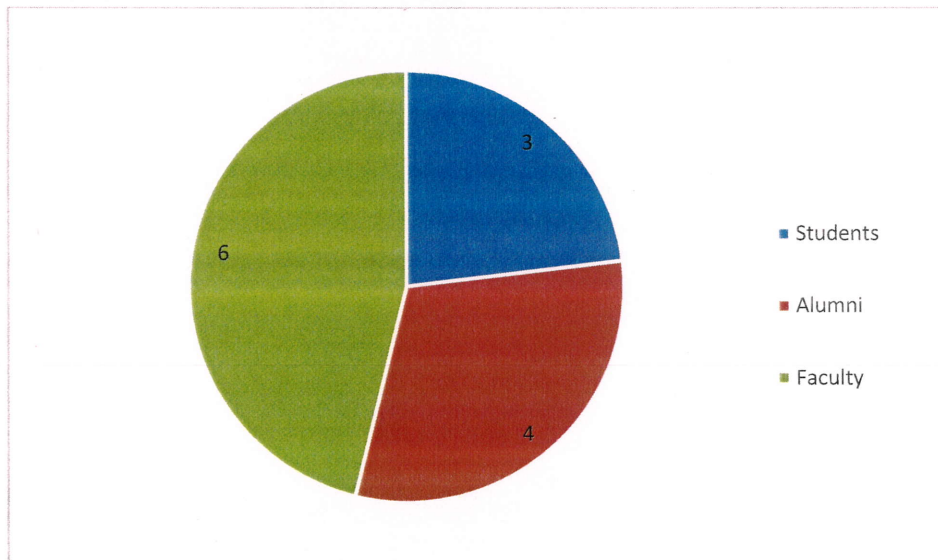S.R.K.R.Engineering College
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Feedback Analysis Report 2020-2021 (M.Tech.)

Students	3
Alumni	4
Faculty	6

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