

INFORMATION TECHNOLOGY

(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. (HT.KGP), Ph.D.(A.U), FIE,MISTE, PRINCIPAL



Phones: Off: 08816-223332 Ext.201
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Mobile No.9848381818
Emails: principal@srkrec.ac.in
principalsrkrec@gmail.com
Web Site: www.srkrec.ac.in

PROCEEDINGS OF THE PRINCIPAL

Ref. No: SRKREC/Committee/BoS/IT/5

Date: 23-11-2020

Sub: Appointment of BoS members for Information Technology (IT) department-Reg.

The following members are nominated as Board of Studies members for the Department of Information Technology (IT). This order will come into force with immediate effect until further orders.

S.No	Name	Position in the committee	Associated with
01	Dr. Bh.V.S.R.K. Raju	Chairman	Professor & HOD, Dept. of IT, SRKREC
02	Sri K.Srinivas		Assoc Professor Dept. of IT, SRKREC
03	Sri S.Rama Gopala Reddy		Assoc Professor Dept. of IT, SRKREC
04	Dr. B.V.D.S.Sekhar	Faculty of each	Assoc Professor Dept. of IT, SRKREC
05	Dr. S. VenkataRamana	Specialization	Assoc Professor Dept. of IT, SRKREC
06	Dr.I.HemaLatha		Assoc Professor Dept. of IT, SRKREC
07	Dr. B Vishnu Vardhan	Experts from	Professor Dept. of CSE, Vice Principal, JNTUH College of Engineering Manthani, Centenary Colony, Pannur (Vil), Ramagiri (Mdl), Peddapalli, Telangana-505212
08	Dr. Y. K. Sundara Krishna	Other Universities	Professor Dept. of CSE, I/c Vice Chancellor, Krishna University A.J Kalasala Campus, Rajupeta, Machilipatnam, Andhra Pradesh 521001
09	Dr. D. Haritha	JNTUK Nominee	Professor, Dept. of CSE, University College of Engineering Kakinada (UCEK) JNTU Kakinada.
10	Smt. K. Sirisha	Expert from Research Organization	Scientist, Defense Research and Development Loboratries, Kanchanbagh Hyderabad. Telangana 500058.
11	Sri PrasanthYeleswarapu	Expert from Industry	Senior Technical Leader, A Block, Bagmane World Technology Centre, Citrine Block SEZ, Outer Ring Rd, LaxmiSagar Layout, Mahadevapura, Bengaluru, Karnataka 560048
12	Sri BythaRavindra	Expert from CSBS	Project Manager Tata Consultancy Services Limited Hyderabad
13	M. Srinivasa Varma	Alumni Students	Director and CTO, Sri Maharshi Consultancy Pvt Ltd.

S.R.K.R. Engg. College BHIMAVARAM-514 204.

Principal's table BRIMAYANA
 HOD 1.T. 3 All the above Members 4 Office file.

c.c.to:

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



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principalsrkree@gmail.com
Website: www.srkree.ac.in

Date: 25.11.2020

SRKREC/BOS/JBS/2020-21

To Sri Prasanth Yeleswarapu Senior Technical Leader A Block, Bagmane World Technology Centre Laxmi Sagar Layout, Mahadevapura Bengaluru, Karnataka 560048.

Dear Sir,

<u>Sub:</u> 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,

Magrala Lis

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Website: www.srkree.ac.in

Date: 25.11.2020

SRKREC/BOS/JBS/2020-21

To Smt. K. Sirisha Scientist Defense Research and Development Laboratories, Kanchanbagh, Hyderabad. Telangana 500058.

Dear Madam,

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Date: 25.11.2020

SRKREC/BOS/JBS/2020-21

To Sri Bytha Ravindra Project Manager Tata Consultancy Services Limited Hyderabad.

Dear Sir.

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Date: 25.11.2020

SRKREC/BOS/JBS/2020-21

To Sri Srinivasa Varma Mantena Sri Maharshi Consultancy Pvt,. Ltd. Bhimavaram.

Dear Sir.

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Yours Sincerely,

Magaza. R. L. F

PRINCIPAL



S.R.K.R. ENGINEERING COLLEGE (AUTONOMUS) DEPARTMENT OF INFORMATION TECHNOLOGY CHINNA AMIRAM: BHIMAVARAM-534204

BOARD OF STUDIES MEETING ONLINE CIRCULAR-2020

All members of Board of studies, IT department are requested to attend a meeting on 19-8-2020 from 12.00 Noon to 2.00 PM via Zoom platform. In this regard, we trust that you are the right person to contribute your valuable suggestions in Curriculum & syllabus based on the industrial requirement and latest technology prevailing in the Information Technology field which can help the student's community to shape themselves for their bright future.

Agenda:

- 1. To consider and approve the scheme and syllabus for 4th year B.Tech (R17 regulation).
- To consider, revise (if necessary) and approve the scheme and syllabus for 2nd, 3rd & 4th year B.Tech(R19 regulation) of Information Technology and 2nd year M.Tech (R19), Information Technology programs.
- 3. Results of odd semester examinations held in the year 2019-20.

4. Any other item.

Head of the Department
Head of the Department
Information Technology
S.R.K.R.Engineering College
BHIMAVARAM - 534 204, INDIA

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DEAPRTMENT OF INFORMATION TECHNOGY

Minutes of the Board of Studies Meeting

Minutes of the Board of Studies Meeting for the Department of Information Technology, Sagi Ramakrishnam Raju Engineering College, Bhimavaram, held virtually on Wed Aug 19, 2020 12pm - 2:00pm (IST) – via Zoom Platform the following are present.

S.No	Category	Name of the Member	Position	Signature
1	Chairman	Dr. Bh.V.S.R.K. Raju	Professor & HOD Dept. of IT, SRKREC	1 m
2	JNTUK Nominee	Dr. D. Haritha	Professor, Dept. of CSE, University College of Engineering Kakinada (UCEK), JNTU Kakinada .	Ale
3	Experts from Other	Dr. B Vishnu Vardhan	Professor Dept. of CSE, Vice Principal, JNTUH College of Engineering Manthani, Centenary Colony, Pannur (Vil), Ramagiri (Mdl), Peddapalli, Telangana-505212	B. L.A
4	Universities	Dr. Y. K. Sundara Krishna	Professor Dept. of CSE, I/c Vice Chancellor, Krishna University A.J Kalasala Campus, Rajupeta, Machilipatnam, Andhra Pradesh 521001	ayy.
5	Industry Expert	Sri Prasanth Yeleswarapu	Senior Technical Leader, A Block, Bagmane World Technology Centre, Citrine Block SEZ, Outer Ring Rd, Laxmi Sagar Layout, Mahadevapura, Bengaluru, Karnataka 560048	Bersen
6	Expert from	Smt. K. Sirisha	Scientist,	K. Sindle

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PRINCIPAL S.R.K.R. ENGS. College SHIEAVARAM-834 284-

	Research Organization		Defense Research and Development Loboratries, Kanchanbagh, Hyderabad. Telangana 500058.	
7	Expert from Alumni	M. Srinivasa Varma	Director and CTO, Sri Maharshi Consultancy Pvt Ltd.	Au
8		Sri K.Srinivas	Associate Professor Dept. of IT, SRKREC	R. Soining
9		Sri S.Rama Gopala Reddy	Associate Professor Dept. of IT, SRKREC	- Sa Coleda
10	Faculty of each Specialization	Dr. B.V.D.S.Sekhar	Associate Professor Dept. of IT, SRKREC	Porose
11		Dr. S.Venkata Ramana	Associate Professor Dept. of IT, SRKREC	Sand
12		Dr.I.HemaLatha	Associate Professor Dept. of IT, SRKREC	J. He lette

The Chairman, BOS in Information Technology welcomed the members of BOS, briefed about the agenda to be discussed and presented the results of the NBA visit as the B.Tech. (Information Technology) is accredited by the NBA for Three years from the academic year 2020- 2021 onwards. The following agenda were placed by the Chairman which were discussed and resolved as follows:

Agenda 1: To consider and approve the scheme and syllabus for 4th year B.Tech (R17 Regulation).

The members discussed the proposed scheme and syllabus for 4th year B.Tech. (R17 Regulation). The Members after discussion suggested replacing the Concurrent and Parallel Programming subject in Elective II with Embedded Systems.

Resolution:

The BOS members went through the syllabus and discussed in length various aspects of the syllabus. After incorporation of the changes suggested by the BOS members, the scheme and syllabus for 4th year B.Tech. (R17 Regulation) Information Technology was approved.



Agenda 2: To consider, revise (If necessary) and approve the scheme and syllabus for 2nd,

3rd and 4th year B.Tech. (R19 Regulation) of Information Technology and 2nd year

M.Tech(R19), Information Technology programs.

The members discussed the proposed scheme and syllabus for scheme and syllabus for 2nd, 3rd

and 4th year B.Tech. (R19 Regulation) of Information Technology and 2nd year M.Tech(R19),

Information Technology programs.

Resolution:

The members approved the proposed scheme and syllabus for 2nd Year B.Tech. (R19

Regulation) of Information Technology and 2nd year (3rd and 4th Semesters) of M.Tech.

(R19), Information Technology programmes.

Agenda 3: Results of odd semester examinations held in the year 2019-20

The Chairman presented the results of the examinations held in November 2019 and January

2020 for B.Tech and February 2020 for M.Tech. programmes.

Resolution:

The members discussed approved the results of examinations held for B.Tech. and M.Tech.

Information Technology programmes for odd semesters in the academic year 2019-2020 and

suggested improving the results by arranging remedial classes for weak students.

Finally the meeting concluded with the chairman thanking the members of BOS for their active

participation in the deliberations of the meeting.

Chairman (BOS)

Head of the Department

Information Technology S.R.K.R.Engineering College

BHIMAVARAM - 534 204, INDIA



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SCHEME OF INSTRUCTION & EXAMINATION

(Regulation R17)
IV/IV B.TECH

(With effect from 2017-2018Admitted Batch onwards)

INFORMATION TECHNOLOGY

(Accredited by NBA)

I-SEMESTER

Code No.	Name of the Subject	Credit	Lect Hrs	Tutoria I Hrs	Lab Hrs	Contact Hrs/ Week	Internal Marks	Externa l Marks	Total Mark s
B17 IT 4101	Distributed Systems	3	3	1	-	4	30	70	100
B17 IT 4102	Mobile Computing	3	3	1	-	4	30	70	100
B17 BS 4101	Managerial Economics and Financial Accountancy	3	3	1	-	4	30	70	100
#ELE-I	Elective-I	3	3	1	-	4	30	70	100
#ELE-II	Elective-II	3	3	1	-	4	30	70	100
B17 IT 4111	Mobile Computing Lab	2	-Nº	-	3	3	50	50	100
B17 IT 4112	Cryptography and Network Security Lab	2	-4	-	3	3	50	50	100
	Total	19	15	5	6	26	250	450	700

	B17 IT 4103	Bigdata Analytics	
#ELE-I	B17 IT 4104	Information Retrieval System	
	B17 IT 4105	Internet of Things	
	B17 IT 4106	Multimedia Programming	
	B17 IT 4107	Embedded Systems	
// F F F F	B17 IT 4108	Software Project Management	
#ELE-II	B17 IT 4109	Machine Learning	
	B17 IT 4110	Decision Support Systems	18.1152

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SCHEME OF INSTRUCTION & EXAMINATION

(Regulation R17)

IV/IV B.TECH

(With effect from 2017-2018Admitted Batch onwards)

INFORMATION TECHNOLOGY

(Accredited by NBA)

II-SEMESTER

Code No.	Name of the Subject	Credits	Lect. Hrs	Tut. Hrs	Lab Hrs	Contact Hrs/ Week	Int. Marks	Ext. Marks	Tot. Marks
B17 BS 4201	Management and Organisational Behaviour	3	3	1	-	4	30	70	100
#ELE-III	Elective-III	3	3	1	-	4	30	70	100
B17 IT 4205	Data Mining Lab	2		1 24	3	3	50	50	100
B17 IT 4206	Seminar	2			-		50		50
B17 IT 4207	Project work	10			3	3	60	140	200
,	Total	20	6	2	6	14	220	330	550

	B17 IT 4201	Cloud Computing
#*** TO TEX	B17 IT 4202	Cyber Security
#ELE-III	B17 IT 4203	Artificial Neural Networks
	B17 IT 4204	Software Quality Assurance

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*Head of the Department Information Technology S.R.K.R. Engineering College Brimavaran 534 264, 19014

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INFORMATION TECHNOLOGY

(Accredited by NBA)

SCHEME OF INSTRUCTION & EXAMINATION

(Regulation R19) II/IV B.TECH I-SEMESTER

(With effect from 2019-2020Admitted Batch onwards)

Subject Code	Name of the Subject	Category	Cr	L	Т	P	Internal Marks	External Marks	Total Marks
B19 IT 2101	Discrete Mathematical Structures	PC	3	3	-		25	75	100
B19 IT 2102	Principles of Software Engineering	PC	3	3	-		25	75	100
B19 IT 2103	Micro Processor	PC	3	3	-		25	75	100
B19 IT 2104	Advanced Data Structures	PC	3	3			25	75	100
B19 IT 2105	Computer Organization	PC	3	3		94	25	75	100
B19 IT 2106	Object Oriented Programming through C++	PC	3	3			25	75	100
B19 IT 2107	Advanced Data Structures Lab	PC	1.5			3	20	30	50
B19 IT 2108	Object Oriented Programming through C++ Lab	PC	1.5			3	20	30	50
B19 MC 2101	Professional Ethics & Human Values	MC	0	3	-	-			
		TOTAL	21	21	0	6	190	510	700

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S.R.K.R. Engineering College

(Autonomous) China Amiram, Bhimavajam-534 204 Head of the Department see Sephnology by Sephnology Sephnology

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INFORMATION TECHNOLOGY

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SCHEME OF INSTRUCTION & EXAMINATION

(Regulation R19) II/IV B.TECH II-SEMESTER

(With effect from 2019-2020Admitted Batch onwards)

Subject Code	Name of the Subject	Category	Cr	L	Т	P	Internal Marks	External Marks	Total Marks
B19 BS 2202	Probability and Statistics	BS	3	3	-		25	75	100
B19 IT 2201	Java Programming	PC	3	2	i		25	75	100
B19 IT 2202	Operating Systems	PC	3	3			25	75	100
B19 IT 2203	Database Management Systems	PC	3	3			25	75	100
B19 IT 2204	Theory of Computation	PC	3	3			25	75	100
B19 IT 2205	Java Programming Lab	PC	1.5			3	20	30	50
B19 IT 2206	UNIX Operating Systems Lab	PC	1 *4			2	20	30	50
B19 IT 2207	Data Base Management Systems Lab	PC	1.5	-		3	20	30	50
B19 IT 2208	Socially Relevant Project	PR	1			2	20	30	50
B19 MC 2201	Essence of Indian Traditional Knowledge	MC	0	3					
		TOTAL	20	17	1	10	205	495	700

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SCHEME OF INSTRUCTION & EXAMINATION

(Regulation R19)

M.TECH (INFORMATION TECHNOLOGY)
DEPARTMENT OF INFORMATION TECHNOLOGY

(With effect from 2019-2020Admitted Batch onwards)

III-SEMESTER

Subject Code.	Name of the Subject	Category.	C	L	Т	P	Internal Marks	Externa l Marks	Total Marks
#PE-V/ MOOCS	Program Elective-V	PE	3	3	0	0	25	75	100
#OE-I/ MOOCS	Open Elective-I	OE	3	3	0	0	25	75	100
M19IT2107	Dissertation-I /Industrial Project#	PR	10	0	0	20	50	50	100
	TOTAL		16	6	0	20	100	200	300

manuscru.	Code	Course
	M19IT2101	Deep Learning
	M19IT2102	Embedded Computing
	M19IT2103	Ethical Hacking
#PE-V/ MOOCS	M19IT2104	Digital Marketing
	M19IT2105 (MOOCS-I)	Students Going for Industrial Project / Thesis will complete these courses through MOOCS. Students can also choose SWAYAM or NPTEL with a 12 weeks' course duration in PG level with 3 credits, but the chosen subject should not be covered in their M. Tech Course
#OF 1/	#OE-I	Students have to choose one open elective course offered by departments other than the IT & CSE departments. List of open Electives offered by other departments are enclosed.
#OE-I/ MOOCS	M19IT2106 (MOOCS-II)	Students Going for Industrial Project / Thesis will complete these courses through MOOCS. Students can also choose SWAYAM or NPTEL with a 12 weeks' course duration in PG level with 3 credits, but the chosen subject should not be covered in their M. Tech Course

OPEN ELEC	TIVES OFFERED TO OTHER DEPARTMENTS
Code	Course
M19IT2108	Web Technologies
M19IT2109	Internet of Things
M19IT2110	Machine Learning

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S.R.K.R. Engg. College SHIMAVARAM-534 284.

SCHEME OF INSTRUCTION & EXAMINATION

(Regulation R19)

M.TECH (INFORMATION TECHNOLOGY) DEPARTMNT OF INFORMATION TECHNOLOGY

(With effect from 2019-2020Admitted Batch onwards)

II YEAR

II-SEMESTER

Subject Code.	Name of the Subject	Category.	С	L	Т	P	Int. Marks	Ext. Marks
M19IT2201	Dissertation-II /Industrial Project#	PR	16	0	0	32	**	100

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S.R.K.R. Engineering College (Autonomous) China Amiram, Bhimavaram-534 204. VY.

Head of the Department Information Technology S.R.K.R. Engineering College Bd[MAVARAM-534 204, INC.).

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S.R.K.R. ENGINEERING COLLEGE (AUTONOMUS) DEPARTMENT OF INFORMATION TECHNOLOGY CHINNA AMIRAM: BHIMAVARAM-534204

BOARD OF STUDIES MEETING(ONLINE) CIRCULAR

All members of Board of studies, IT department are requested to attend a meeting on 29-11-2020 from 12.00 Noon to 2.00 PM via Zoom platform. In this regard, we trust that you are the right person to contribute your valuable suggestions in Curriculum & syllabus based on the industrial requirement and latest technology prevailing in the Information Technology field which can help the student's community to shape themselves for their bright future.

Agenda:

- 1. To consider and approve the scheme and syllabus (R20 regulation) for 1st year of
 - a) B.Tech (Information Technology)
 - b) B.Tech (Artificial Intelligence and Data Science) and
 - c) B.Tech (Computer Science and Business System)

2. Any other item.

Head of the Department

Head of the Department Information Technology S.R.K.R.Engineering College BHIMAVARAM - 534 204, INDIA



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Recognised as Scientific and Industrial Research Organisation CHINNA AMIRAM (P.O):: W.G,Dt., A.P., INDIA:: PIN:534 204

DEAPRTMENT OF INFORMATION TECHNOGY

Minutes of the Board of Studies Meeting

Minutes of the Board of Studies Meeting for the Department of Information Technology, Sagi Ramakrishnam Raju Engineering College, Bhimavaram, held virtually on 29-11-2020 at 12pm - 2:00pm (IST) — via Zoom Platform the following are present.

S.No	Category	Name of the Member	Position	Signature
1	Chairman Dr. Bh.V.S.R.K. Raju Professor & HOD Dept. of IT, SRKREC Professor, Dept. of CSE, University College of Engineering Kakinada (UCEK), JNTU Kakinada .		My	
2			An	
3	Experts from Other Universities	Dr. B Vishnu Vardhan	Professor Dept. of CSE, JNTUH College of Engineering ,Manthani, Centenary Colony, Pannur (Vil), Ramagiri (Mdl), Peddapalli, Telangana- 505212	b
4	Universities	Dr. Y. K. Sundara Krishna	Professor Dept. of CSE, Krishna University A.J Kalasala Campus, Rajupeta, Machilipatnam, Andhra Pradesh 521001	OVAN
5	Industry Expert	Sri Prasanth Yeleswarapu	Ex. Senior Technical Leader, A Block, Bagmane World Technology Centre, Citrine Block SEZ, Outer Ring Rd, Laxmi Sagar Layout, Mahadevapura, Bengaluru, Karnataka 560048	broseng

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6		Sri Bytha Ravindra	Project Manager Tata Consultancy Services Limited	No
7	Expert from Research Organization	Smt. K. Sirisha	Scientist, Defense Research and Development Loboratries, Kanchanbagh, Hyderabad. Telangana 500058.	K.Siriahe
8	Expert from Alumni	M. Srinivasa Varma	Director and CTO, Sri Maharshi Consultancy Pvt Ltd.	Ron
9		Sri K.Srinivas	Associate Professor Dept. of IT, SRKREC	K. Sominas
10	To sultive of	Sri S.Rama Gopala Reddy	Associate Professor Dept. of IT, SRKREC	- Like da
11	Faculty of each Specialization	Dr. B.V.D.S.Sekhar	Associate Professor Dept. of IT, SRKREC	Boose
12		Dr. S.Venkata Ramana	Associate Professor Dept. of IT, SRKREC	aggil
13		Dr.I.HemaLatha	Associate Professor Dept. of IT, SRKREC	I Healette.

The Chairman, BOS in Information Technology welcomed the members of BOS, briefed about the agenda to be discussed. The following agenda were placed by the Chairman which were discussed and resolved as follows:

Agenda 1: To consider and approve the scheme and syllabus (R20 Regulation) for 1st year of

- a. B.Tech (Information Technology),
- b. B.Tech. (Artificial Intelligence and Data Science) and
- c. B.Tech. (Computer Science and Business System)

Resolution:

The BOS members went through the syllabus and discussed in length various aspects of the syllabus. The members presented suggested to offer both theory and the concerned lab in the same semester and to offer one Mathematics subject per semester in the first year. After

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S.R.K.R. Engs. College S.R.K.R. Engs. 334 384. incorporation of the changes suggested by the BOS members, the scheme and syllabi (R20 Regulation) for 1st year of

- 1. B.Tech (Information Technology),
- 2. B.Tech. (Artificial Intelligence and Data Science) and
- 3. B.Tech. (Computer Science and Business System)

was approved.

Agenda 2: Any Other Item

Resolutions:

The BOS members discussed about and approved the draft document presented for VISION, MISSION, Program Educational Objectives (PEOs) and Program Specific Objectives (PSOs) for the newly introduced courses B.Tech. (Artificial Intelligence and Data Science) and B.Tech. (Computer Science and Business system)

Finally the meeting concluded with the chairman thanking the members of BOS for their active participation in the deliberations of the meeting.

Chairman (BOS)

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Reg	gulation: R20		1/	IV - 1	B.Tecl	h. I -	Semester		
	INFORM	MATIO	N TEC	HNO	LOG	Y			
	SCHEME OF IN (With effect from								S. I. Washington
Course Code	Course Name	Catego ry	Cr	L	Т	P	Int. Marks	Ext. Marks	Total Marks
B20 HS 1101	English	HS	3	3	0	0	30	70	100
B20 BS 1101	Mathematics-I	BS	3	3	0	0	30	70	100
B20 BS 1103	Applied Chemistry	BS	3	3	0	0	30	70	100
B20 CS 1101	Programming for Problem Solving Using C	ES	3	3	0	0	30	70	100
B20 IT 1101	Fundamentals of Computers and Information Technology	ES	3	3	0	0	30	70	100
B20 CS 1103	Programming for Problem Solving Using C Lab	ES	1.5	0	0	3	15	35	50
B20 BS 1108	Applied Chemistry Lab	BS	1.5	0	0	3	15	35	50
B20 CS 1104	Computer Engineering Workshop	ES	1.5	0	0	3	15	35	50
	Т	OTAL	19.5	15	0	9	195	455	650

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	SCHEME OF IN (With effect from	STRUC n 2020-2	TION 1 admi	& EX	AMI atch	NATI	ON is)		
Course Code	Course Name	Catego ry	Cr	L	Т	P	Int. Marks	Ext. Marks	Total Marks
B20 BS 1201	Mathematics-II	BS	3	3	0	0	30	70	100
B20 BS 1202	Applied Physics	BS	3	3	0	0	30	70	100
B20 IT 1201	Digital Logic Design	ES	3	3	0	0	30	70	100
B20 IT 1202	Object Oriented Programming through C++	ES	3	3	0	0	30	70	100
B20 EE 1203	Principles of Electrical and Electronics Engineering	ES	3	3	0	0	30	70	100
B20 BS 1207	Applied Physics Lab	BS	1.5	0	0	3	15	35	50
B20 HS 1202	Communication Skills Lab	HS	1.5	0	0	3	15	35	50
B20 IT 1203	Object Oriented Programming through C++ Lab	ES	1.5	0	0	3	15	35	50
B20 MC 1202	Professional Ethics and Human Values	MC	0	2	0	0			
B20 MC 1203	National Service Scheme* (NSS)	MC .	0	0	0	2	-	-	-
	T	OTAL	19.5	17	0	11	195	455	650

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Regulation: R20 I/IV - B.Tech. I - Semester

ARTIFICIAL INTELLIGENCE & DATA SCIENCE

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 HS 1101	English	HS	3	3	0	0	30	70	100
B20 BS 1101	Mathematics-I	BS	3	3	0	0	30	70	100
B20 BS 1102	Applied Physics	BS	3	3	0	0	30	70	100
B20 CS 1101	Programming for Problem Solving Using C	ES	3	3	0	0	30	70	100
B20 IT 1101	Fundamentals of Computers and Information Technology	ES	3	3	0	0	30	70	100
B20 CS 1103	Programming for Problem Solving Using C Lab	ES	1.5	0	0	3	15	35	50
B20 BS 1107	Applied Physics Lab	BS	1.5	0	0	3	15	35	50
B20 CS 1104	Computer Engineering Workshop	ES	1.5	0	0	3	15	35	50
		TOTÁL	19.5	15	0	9	195	455	650

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Head of the Department Information Technology S.R.K.R.Engineering College BHIMAVARAM - 534 204, INDIA PRINCIPAL 1

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Re	gulation: R20		I/IV - B.Tech. II - Semester ELLIGENCE & DATA SCIENCE									
	ARTIFICIAL IN SCHEME OF IN (With effect from	STRUC	TION	& EX	(AM)	NAT	ON					
Course Code	Course Name	Catego ry	Cr	L	Т	P	Int. Marks	Ext. Marks	Total Marks			
B20 BS 1201	Mathematics-II	BS	3	3	0	0	30	70	100			
B20 BS 1203	Applied Chemistry	BS	3	3	0	0	30	70	100			
B20 IT 1201	Digital Logic Design	ES	3	3	0	0	30	70	100			
B20 IT 1202	Object Oriented Programming through C++	ES	3	3	0	0	30	70	100			
B20 EE 1203	Principles of Electrical and Electronics Engineering	ES	3	3:	0	0	30	70	100			
B20 BS 1208	Applied Chemistry Lab	BS	1.5	С	0	3	15	35	50			
B20 HS 1202	Communication Skills Lab	HS	1.5	0	0	3	15	35	50			
B20 IT 1203	Object Oriented Programming through C++ Lab	ES	1.5	0	0	3	15	35	50			
B20 MC 1201	Environmental Science	MC	0	2	0	0		_	-			
B20 MC 1203	National Service Scheme (NSS)	МС	s 0	0	0	2	100 S		-			
	Ť	OTAL	19.5	17	0	11	195	455	650			

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Regulation: R20

I/IV - B.Tech. I - Semester

COMPUTER SCIENCE & BUSINESS SYSTEM

SCHEME OF INSTRUCTION & EXAMINATION (With effect from 2020-21 admitted Batch onwards)

Course Code	Course Name	Category	Cr	L	Т	P	Int. Marks	Ext. Marks	Total Marks
B20 BS 1104	Discrete Mathematics	BS	3	3	0	0	30	70	100
B20 BS 1105	Introductory Topics in Statistics, Probability & Calculus	BS	3	3	0	0	30	70	100
B20 BS 1106	Fundamentals of Physics	BS	3	3	0	0	30	70	100
* B20 EE	Principles of Electrical	r.c	3	2	0	0	30	70	100
1103	Engineering	ES	3	0	0	2	15	35	50
B20 CB 1101	Fundamentals of Computer Science & Programming	ES	3	3	0	0	30	70	100
B20 HS 1102	Business Communication & Value Science - I Lab	HS *	1.5	0	0	3	15	35	50
B20 BS 1109	Fundamentals of Physics Lab	BS *	1.5	0	0	3	15	35	50
B20 CB 1102	Fundamentals of Computer Science & Programming Lab	ES	1.5	0	0	3	15	35	50
		TOTAL	19.5	14	0	11	210	490	700

Note: *- Integrated course and its evaluation guide lines are mentioned in the Syllabus

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Regula	tion: R20	I/IV - B.Tech. II - Semester									
	COMPUTERS	CIENCE &	BUSI	NES	SS S	YST	EM				
	SCHEME OF IN (With effect from			Mary Mark	***						
Course Code	Course Name	Category	Cr	L	Т	P	Int. Marks	Ext. Marks	Total Marks		
B20 BS 1205	Linear Algebra	BS	3	3	0	0	30	70	100		
B20 BS 1206	Statistical Methods	BS	. 3	3	0	0	30	70	100		
* B20 EC	Principles of Electronics	FC	ES 3	2	0	0	30	70	100		
1201	Engineering	ES	3	0	0	2	15	35	50		
B20 CB 1201	Data Structures and Algorithms	ES	3	3	0	0	30	70	100		
B20 HS 1201	Fundamentals of Economics	HS	3	3	0	0	30	70	100		
B20 BS 1209	Statistical Methods Lab	BS	1.5	0	0	3	15	35	50		
B20 CB 1202	Data Structures and Algorithms Lab	EC	1.5	0	0	3	15	35	50		
B20 HS 1203	Business Communication & Value Science – II	HS	1.5	0	0	3	15	35	50		
B20 MC 1201	Environmental Science	M€	0	2	0	0	-	,	-		
B20 MC 1203	National Service Scheme (NSS)	MC	0	0	0	2					
		TOTAL	19.5	16	0	13	210	490	700		

Note: *- Integrated course and its evaluation guide lines are mentioned in the Syllabus

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FEEDBACK ANALYSIS 2019-20

A Feedback on the curriculum is obtained from students, employers, faculty and alumni. After study of the feedback from various stake holders some important points of the feedback are identified. Total 147 feedback forms have been obtained from various stake holders.

The following are the key points obtained from the study of the feedback:

- Emphasize on curriculum on new technologies artificial intelligence, machine learning.
- 2. Need competitive coding for high package salaries.
- The department needs to connect with the industries and understand the latest methods.
- 4. Include more electives in interdisciplinary courses.
- 5. Provide advanced labs such as IOT, AI in information technology field.
- 6. Give lecture with PPTs for maximum subjects.
- 7. Internships for the students are needed.

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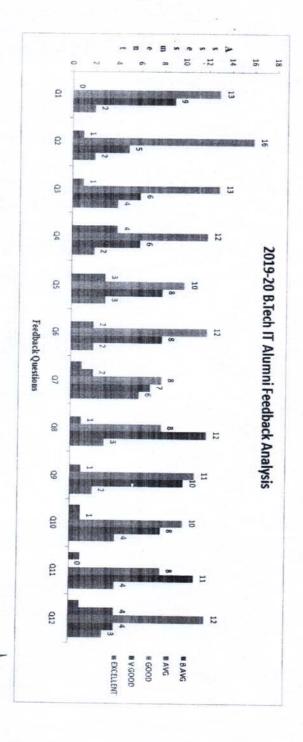
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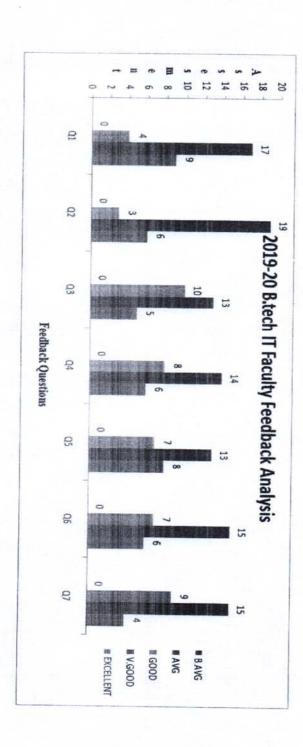
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2019-20 M.Tech Alumni Feedback Analysis

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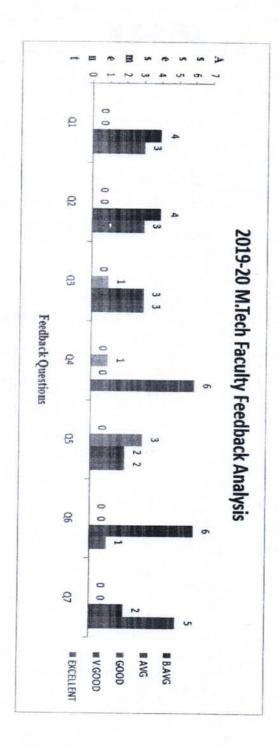
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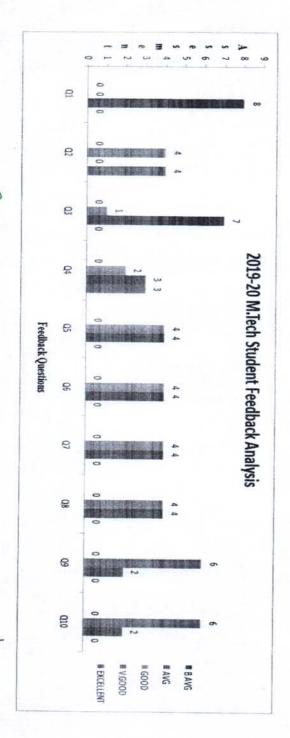
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FEED BACK ACTION REPORT 2019-20

The department Advisory Committee (DAC) has discussed in the feedback analysis report during the meeting DAC held on 07/09/20. In the meeting it has been resolved to recommend some suggestions to the Board of study and the Training and the placement cell based on the feedback analysis.

The following are the suggestions recommended to Board of Studies for next regulation:

- New courses like IOT, Artificial intelligence; Machine learning should be incorporated in curriculum.
- 2. Social relevant programmes, professional ethics to be considered in the curriculum.

The following are the suggestions to training and placement cell:

- 1. Placement training is required with more focus on high salaried jobs.
- Building student aptitude and English grammar is also required for students for improved placements.

Head of the Department

Head of the Department Information Technology S.R.K.R.Engineering College BHIMAVARAM - 534 204, INDIA

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