



SRK INSTITUTE OF TECHNOLOGY
Enikepadu, Vijayawada 521108
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DEPARTMENT OF CIVIL ENGINEERING



SRKIT / CE / 73

III/IV B. TECH II SEMESTER

CIRCULAR

Date: 23/12/2022

This is to inform all the students of III/IV B.Tech, Civil Engineering, as per decision of the Departmental Academic Committee (DAC), the Auto mobile engineering (AE) and Traffic Engineering (TE) offered as an Open Elective, Professional Elective-II for the academic year 2022-23, II Semester.

T. [Signature]
HOD CE
23/12/22

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SRKIT / CE / 73

III/IV B. TECH – II SEMESTER

CIRCULAR FOR OPEN ELECTIVE AND PROFESSIONAL ELECTIVE II OFFERED

Date: 23/12/2022

According to R20 Regulation designed by JNTUK, the subjects comprising Open elective & Professional elective II of III/IV B. Tech Civil Engineering students for the academic year 2022-23, I semester are listed below. Therefore, students are instructed to choose open elective and professional elective II subjects on or before 23/12/2022. Details of syllabus are enclosed

OPEN ELECTIVE

1. Automobile Engineering (AE)
2. Smart Manufacturing (SE)
3. Advanced Mechanics of Solids (AMS)
4. Statistical Quality Control (SQC)

PROFESSIONAL ELECTIVE-II

1. Advanced Structural Analysis (ASA)
2. Architecture and Town Planning (ATP)
3. Road Safety Engineering (RSE)
4. Traffic Engineering (TE)

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LIST OF ELECTIVES OFFERED CHOICE EXERCISED BY STUDENTS

Academic Year: 2022-23

Year/Semester: III/II

Section-A

S.NO	Roll No	PROFESSIONAL ELECTIVE-II				STUDENT SIGNATURE
		ASA	ATP	RSE	TE	
1	20X41A0101				✓	R. Mohit
2	20X41A0102				✓	R. S. Hald
3	20X41A0103				✓	Pranav
4	20X41A0104				✓	Pranav
5	20X41A0105				✓	Ch. Saeed
6	20X41A0106				✓	S. Chaitanya
7	20X41A0107				✓	Kishor
8	20X41A0108				✓	Vamsi Krishna
9	20X41A0109				✓	Manish
10	20X41A0110				✓	M. K. Vish
11	20X41A0111			✓		K. S. S.
12	20X41A0112				✓	K. S. S.
13	20X41A0113				✓	
14	20X41A0114				✓	P. Anand
15	20X41A0115				✓	T. Anand
16	20X41A0116				✓	T. Anand
17	20X41A0117				✓	V. Anand
18	20X41A0118				✓	P. Anand
19	21X45A0101				✓	A. Anand
20	21X45A0102				✓	A. Anand
21	21X45A0103				✓	A. Anand
22	21X45A0104				✓	D. Anand
23	21X45A0105				✓	D. Anand
24	21X45A0106			✓		D. Anand
25	21X45A0107				✓	G. Anand
26	21X45A0108				✓	V. Anand
27	21X45A0109				✓	J. Anand
28	21X45A0110				✓	K. Anand
29	21X45A0111				✓	K. Anand

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LIST OF ELECTIVES OFFERED CHOICE EXERCISED BY STUDENTS

Academic Year: 2022-23

Year/Semester: III/II



Section-A

S.NO	Roll No	PROFESSIONAL ELECTIVE-II				STUDENT SIGNATURE
		ASA	ATP	RSE	TE	
30	21X45A0112				✓	K. Soumya
31	21X45A0113			✓		G. Anil Kumar
32	21X45A0114				✓	Prasad m
33	21X45A0115				✓	N. Raheem
34	21X45A0116				✓	M. Navaneeth
35	21X45A0117				✓	N. Kamesh
36	21X45A0118			✓		Prudhviraj
37	21X45A0119				✓	P. Varun
38	21X45A0120				✓	P. Yash
39	21X45A0121				✓	P. Ramesh
40	21X45A0122				✓	R. Pavan
41	21X45A0123				✓	S. Rajaji
42	21X45A0124				✓	S. Suresh
43	21X45A0125				✓	T. Jagadeesh
44	21X45A0126				✓	Sai praveen
45	21X45A0127				✓	V. Balakrishna
46	21X45A0128				✓	V. Vikram Kumar
47	21X45A0129				✓	V. Srinadh
48	21X45A0130				✓	Y. Anand
49	21X45A0131				✓	P. Feroze
50	21X45A0132				✓	V. Jagadeesh
51	21X45A0133				✓	G. Manohar

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LIST OF ELECTIVES OFFERED CHOICE EXERCISED BY STUDENTS

Academic Year: 2022-23

Year/Semester: III/II

Section-A

S.NO	Roll No	OPEN ELECTIVE				STUDENT SIGNATURE
		AE	SM	AMS	SQC	
1	20X41A0101	✓				Mohit
2	20X41A0102	✓				Is. S. H. Chelley
3	20X41A0103	✓				Manikanta
4	20X41A0104	✓				H. S. R.
5	20X41A0105	✓				P. S. Reddy
6	20X41A0106	✓				G. Chaitanya
7	20X41A0107	✓				K. V. Praveen
8	20X41A0108	✓	✓			Aravind
9	20X41A0109					M. Srinivas
10	20X41A0110	✓				K. S. S. S.
11	20X41A0111	✓				
12	20X41A0112	✓				P. Mahesh
13	20X41A0113	✓				N. S. S.
14	20X41A0114	✓				P. S. S.
15	20X41A0115	✓				T. Sandeep
16	20X41A0116	✓				A. S. S.
17	20X41A0117	✓				U. S. S.
18	20X41A0118	✓				P. S. S.
19	21X45A0101		✓			A. S. S.
20	21X45A0102	✓				A. S. S.
21	21X45A0103	✓				A. S. S.
22	21X45A0104	✓				A. S. S.
23	21X45A0105	✓				D. S. S.
24	21X45A0106	✓				S. S. S.
25	21X45A0107	✓				D. S. S.
26	21X45A0108	✓				G. S. S.
27	21X45A0109		✓			J. S. S.
28	21X45A0110	✓				T. S. S.
29	21X45A0111	✓				K. S. S.

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LIST OF ELECTIVES OFFERED CHOICE EXERCISED BY STUDENTS

Academic Year: 2022-23

Year/Semester: III/II

Section-A

S.NO	Roll No	OPEN ELECTIVE				STUDENT SIGNATURE
		AE	SM	AMS	SQC	
30	21X45A0112	✓				K. Sowmya
31	21X45A0113	✓				Gowtham
32	21X45A0114	✓				M. Prasad
33	21X45A0115	✓				M. Rakesh
34	21X45A0116	✓				M. Navaneeth
35	21X45A0117	✓				N. Karanesh
36	21X45A0118	✓				S. Prudhviraj
37	21X45A0119	✓				P. Karan
38	21X45A0120	✓				P. Bharani
39	21X45A0121	✓				R. Yash
40	21X45A0122		✓			R. Pavan
41	21X45A0123	✓				S. Balaji
42	21X45A0124	✓				K. Anvesh
43	21X45A0125	✓				T. Jagadeesh
44	21X45A0126	✓				Sai-Dhanu
45	21X45A0127	✓				V. Ramesh
46	21X45A0128	✓				V. Vikram
47	21X45A0129	✓				V. Vinodh
48	21X45A0130		✓			Y. Anuj
49	21X45A0131	✓				P. Triveni
50	21X45A0132	✓				V. Jagadeesh
51	21X45A0133	✓				G. Manohar

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IV/IV B. TECH II SEMESTER

CIRCULAR

Date: 16/11/2022

This is to inform all the students of IV/IV B.Tech, Civil Engineering, as per decision of the Departmental Academic Committee (DAC), Design Drawing of Irrigation Structures (DDIS) and Ground Improvement Technique (GIT) offered as an Professional Elective -IV, Professional Elective- V for the academic year 2022-23, II Semester.

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IV/IV B. TECH – II SEMESTER

**CIRCULAR FOR PROFESSIONAL ELECTIVE IV AND PROFESSIONAL ELECTIVE V
OFFERED**

Date: 16/11/2022

According to R19 Regulation designed by JNTUK, the subjects comprising Program elective IV & Program elective V of IV/IV B. Tech Civil Engineering students for the academic year 2022-23, II semester are listed below. Therefore, students are instructed to choose open elective and professional elective I subjects on or before 16/11/2022. Details of syllabus are enclosed

PROFESSIONAL ELECTIVE IV

1. Finite Element Methods
2. Design & Drawing of Irrigation Structures
3. Soil Dynamics and Machine Foundations
4. Road Safety Engineering
5. Disaster Management & Mitigation

PROFESSIONAL ELECTIVE V

1. Advanced Structural Analysis
2. Urban Hydrology
3. Ground Improvement Techniques
4. Pavement Management Systems
5. Low-cost Housing

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LIST OF ELECTIVES OFFERED CHOICE EXERCISED BY STUDENTS

Academic Year: 2022-23

Year/Semester: IV/II

Section-A

S.NO	Roll No	PROFESSIONAL ELECTIVE-IV					STUDENT SIGNATURE
		FEM	DDIS	SDMF	RSE	DMM	
1	19X41A0102		✓				S. Srinivasulu
2	19X41A0103		✓				V. Pradeep
3	20X45A0101		✓				K. Hanika
4	20X45A0102		✓				S. Kalyan
5	20X45A0103		✓				V. Dharmaraj
6	20X45A0104			✓			V. Prasad
7	20X45A0105		✓				V. Prasad
8	20X45A0106		✓				A. S. Sahu
9	20X45A0107		✓				M.D. Sahu

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LIST OF ELECTIVES OFFERED CHOICE EXERCISED BY STUDENTS

Academic Year: 2022-23

Year/Semester: IV/II

Section-A

S.NO	Roll No	PROFESSIONAL ELECTIVE-IV					STUDENT SIGNATURE
		FEM	DDIS	SDMF	RSE	DMM	
			1. Finite Element Methods (FEM)				
			2. Design & Drawing of Irrigation Structures (DDIS)				
			3. Soil Dynamics and Machine Foundations (SDMF)				
			4. Road Safety Engineering (RSE)				
			5. Disaster Management & Mitigation (DMM)				
10	20X45A0108		✓				B. Rajeevan
11	20X45A0109		✓				V. Sridhar
12	20X45A0110		✓				S. Sridhar
13	20X45A0111		✓	✓			S. Sridhar
14	20X45A0112		✓				P. Ashwin
15	20X45A0113		✓				S.K. Srilakshmi
16	20X45A0114		✓				M. Srinivas
17	20X45A0115		✓				M. Srinivas
18	20MC5A0106		✓				M. Srinivas

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T. Srinivas
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LIST OF ELECTIVES OFFERED CHOICE EXERCISED BY STUDENTS

Academic Year: 2022-23

Year/Semester: IV/II



Section-A

S.NO	Roll No	PROFESSIONAL ELECTIVE- V					STUDENT SIGNATURE
		ADA	UH	GIT	PMS	LCH	
1	19X41A0102			✓			S. Subrahmanya
2	19X41A0103			✓			V. Pradeep
3	20X45A0101			✓			K. Hanicey
4	20X45A0102			✓			S. Jeeva
5	20X45A0103			✓			Ch. S. S.
6	20X45A0104		✓	✓			N. Pavankumar
7	20X45A0105		✓	✓			A. Sambasiva
8	20X45A0106			✓			M.D. Sathish
9	20X45A0107			✓			M. D. Sathish
10	20X45A0108			✓			B. Rajkumar
11	20X45A0109			✓			Sudhakar
12	20X45A0110			✓			Ch. S. S.
13	20X45A0111			✓			Ch. S. S.
14	20X45A0112			✓			P. Ashwini
15	20X45A0113			✓			S.K. Jitendra
16	20X45A0114		✓	✓			B. Sathish Babu
17	20X45A0115			✓			B. Ravi Gya.
18	20MC5A0106			✓			M. Young

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III/IV B. TECH – I SEMESTER

CIRCULAR FOR OPEN ELECTIVE AND PROFESSIONAL ELECTIVE I OFFERED

Date: 22/07/2022

According to R20 Regulation designed by JNTUK, the subjects comprising Open elective & Programme elective II of III/IV B. Tech Civil Engineering students for the academic year 2022-23, I semester are listed below. Therefore, students are instructed to choose open elective and professional elective I subjects on or before 29/07/2022. Details of syllabus are enclosed

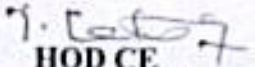
OPEN ELECTIVE-I

1. Strength of Materials
2. Fluid Mechanics
3. Surveying and Geometrics
4. Highway Engineering
5. Safety Engineering
6. Environmental Management
7. Urban Planning

PROFESSIONAL ELECTIVE-I

1. Construction Technology & Management
2. Remote Sensing and GIS
3. Environmental Impact Assessment
4. Low Cost Housing

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III/IV B. TECH I SEMESTER

CIRCULAR

Date: 22/07/2022



This is to inform all the students of III/IV B.Tech, Civil Engineering, as per decision of the Departmental Academic Committee (DAC), the Safety Engineering (SET) and Construction Technology and Management (CTM) offered as an Open Elective, Professional Elective-I for the academic year 2022-23, I Semester.

V. S. S. S.
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LIST OF ELECTIVES OFFERED CHOICE EXERCISED BY STUDENTS



Academic Year: 2022-23

Year/Semester: III/I

Section-A

S.NO	Roll No	PROFESSIONAL ELECTIVE-I				STUDENT SIGNATURE
		CTM	RS&GIS	EIA	LCH	
1	20X41A0101	✓				<i>Prathy</i>
2	20X41A0102	✓				<i>Surbant</i>
3	20X41A0103	✓				<i>Manikanta</i>
4	20X41A0104			✓		<i>Ch. Feroz</i>
5	20X41A0105	✓				<i>Ch. SAT</i>
6	20X41A0106	✓				<i>Chaitanya</i>
7	20X41A0107				✓	<i>CH. PRASANT</i>
8	20X41A0108	✓				<i>Vamshikrishna</i>
9	20X41A0109	✓				<i>K. Phani</i>
10	20X41A0110			✓		<i>K. NIKHIL</i>
11	20X41A0111	✓				<i>Aravind</i>
12	20X41A0112	✓				<i>Mahesh</i>
13	20X41A0113			✓		<i>Lakshmi</i>
14	20X41A0114				✓	<i>P. Vamsikrishna</i>
15	20X41A0115				✓	<i>Sandeep Reddy</i>
16	20X41A0116	✓				<i>ABHINAV</i>
17	20X41A0117	✓				<i>V. Megharaj</i>
18	20X41A0118	✓				<i>V. V. S. R. Reddy</i>
19	21X45A0101	✓				<i>Blom</i>
20	21X45A0102	✓				<i>ganona</i>
21	21X45A0103	✓				<i>Surya</i>
22	21X45A0104		✓			<i>Pooja</i>
23	21X45A0105	✓				<i>Bhargava</i>
24	21X45A0106	✓				<i>Suman</i>
25	21X45A0107	✓				<i>Maheshwari</i>
26	21X45A0108	✓				<i>vedh</i>
27	21X45A0109	✓				<i>Pranav</i>
28	21X45A0110	✓				<i>Vogesh</i>
29	21X45A0111	✓				<i>Siraj</i>


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LIST OF ELECTIVES OFFERED CHOICE EXERCISED BY STUDENTS

Academic Year: 2022-23

Year/Semester: III/I

Section-A

S.NO	Roll No	PROFESSIONAL ELECTIVE-I				STUDENT SIGNATURE
		CTM	RS&GIS	EIA	LCH	
30	21X45A0112	✓				Sanyal
31	21X45A0113	✓				goudham
32	21X45A0114	✓				Prasanna
33	21X45A0115	✓				M. Balakrishna
34	21X45A0116	✓				M. Narayan
35	21X45A0117		✓			M. Kamalish
36	21X45A0118	✓				Pradyumn
37	21X45A0119	✓				Vamsi
38	21X45A0120	✓				P. Bhagya
39	21X45A0121	✓				Yadhuvardhan
40	21X45A0122	✓				P. Prashanth
41	21X45A0123		✓			Balaji
42	21X45A0124	✓				S. Sameer
43	21X45A0125	✓				T. Jagadeesh
44	21X45A0126		✓			Sai Pavani
45	21X45A0127			✓		U. Basuvarth
46	21X45A0128	✓				V. Vardhana
47	21X45A0129	✓				Srinath
48	21X45A0130				✓	Y. Umesh
49	21X45A0131					P. Latha
50	21X45A0132	✓				V. Jagadeesh
51	21X45A0133	✓				G. Manohar

T. Lathanya

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LIST OF ELECTIVES OFFERED CHOICE EXERCISED BY STUDENTS

Academic Year: 2022-23

Year/Semester: III/I

Section-A

S.NO	Roll No	OPEN ELECTIVE-I							STUDENT SIGNATURE
		SM	FM	SAG	HE	SET	EM	UP	
1	20X41A0101					✓			V. Puritha.
2	20X41A0102					✓			Sarath.
3	20X41A0103				✓				Manikanta.
4	20X41A0104			✓	✓				Jesof.
5	20X41A0105				✓				Ch. Sai
6	20X41A0106					✓			Chaitanya.
7	20X41A0107					✓			CH. PRADANT
8	20X41A0108					✓			Vamsi.
9	20X41A0109				✓				V. Khari
10	20X41A0110					✓			K. Nikhil.
11	20X41A0111					✓			Ganesh.

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DEPARTMENT OF CIVIL ENGINEERING



SRKIT / CE / 73

LIST OF ELECTIVES OFFERED; CHOICE EXERCISED BY STUDENTS

Academic Year: 2022-23

Year/Semester: III/I

Section-A

S.NO	Roll No	OPEN ELECTIVE-I							STUDENT SIGNATURE
		SM	FM	SAG	HE	SET	EM	UP	
		1. Strength of Materials (SM) 2. Fluid Mechanics (FM) 3. Surveying and Geometrics (SAG) 4. Highway Engineering (HE) 5. Safety Engineering (SET) 6. Environmental Management (EM) 7. Urban Planning (UP)							
12	20X41A0111					✓			Ganesh
13	20X41A0112					✓			Mahesh
14	20X41A0113					✓			Lathu sai
15	20X41A0114					✓			ranu kumar
16	20X41A0115						✓		Sundeep
17	20X41A0116					✓			Ajay
18	20X41A0117						✓		raj
19	20X41A0118					✓			Ramesh
20	21X45A0101					✓			A. Bharath
21	21X45A0102					✓			A. patra
22	21X45A0103					✓			Surya

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LIST OF ELECTIVES OFFERED; CHOICE EXERCISED BY STUDENTS

Academic Year: 2022-23

Year/Semester: III/I

Section-A

S.NO	Roll No	OPEN ELECTIVE-I							STUDENT SIGNATURE
		SM	FM	SAG	HE	SET	EM	UP	
		1. Strength of Materials (SM) 2. Fluid Mechanics (FM) 3. Surveying and Geometrics (SAG) 4. Highway Engineering (HE) 5. Safety Engineering (SET) 6. Environmental Management (EM) 7. Urban Planning (UP)							
23	21X45A0104					✓			D. Divya Prasad
24	21X45A0105					✓			D. Sandeep
25	21X45A0106				✓				D. Shree Prasad
26	21X45A0107					✓			G. Maheswari
27	21X45A0108					✓			G. Vidya Prasad
28	21X45A0109						✓		G. Pravalika
29	21X45A0110					✓			K. Yogesh
30	21X45A0111					✓			K. Sowmya
31	21X45A0112	✓							K. Sowmya
32	21X45A0113		✓						K. Anusha
33	21X45A0114					✓			M. Divya Prasad


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LIST OF ELECTIVES OFFERED; CHOICE EXERCISED BY STUDENTS

Academic Year: 2022-23

Year/Semester: III/I

Section-A

S.NO	Roll No	OPEN ELECTIVE-I							STUDENT SIGNATURE
		SM	FM	SAG	HE	SET	EM	UP	
		1. Strength of Materials (SM) 2. Fluid Mechanics (FM) 3. Surveying and Geometrics (SAG) 4. Highway Engineering (HE) 5. Safety Engineering (SET) 6. Environmental Management (EM) 7. Urban Planning (UP)							
34	21X45A0115					/			<i>[Signature]</i>
35	21X45A0116					/			<i>[Signature]</i>
36	21X45A0117					/			<i>[Signature]</i>
37	21X45A0118					/			<i>[Signature]</i>
38	21X45A0119					/			<i>[Signature]</i>
39	21X45A0120					/			<i>[Signature]</i>
40	21X45A0121					/			<i>[Signature]</i>
41	21X45A0122			/					<i>[Signature]</i>
42	21X45A0123					/			<i>[Signature]</i>
43	21X45A0124	/							<i>[Signature]</i>
44	21X45A0125					/			<i>[Signature]</i>

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LIST OF ELECTIVES OFFERED; CHOICE EXERCISED BY STUDENTS

Academic Year: 2022-23

Year/Semester: III/I

Section-A

S.NO	Roll No	OPEN ELECTIVE-I							STUDENT SIGNATURE
		SM	FM	SAG	HE	SET	EM	UP	
		1. Strength of Materials (SM) 2. Fluid Mechanics (FM) 3. Surveying and Geometrics (SAG) 4. Highway Engineering (HE) 5. Safety Engineering (SET) 6. Environmental Management (EM) 7. Urban Planning (UP)							
45	21X45A0126					✓			2ai Padan.
46	21X45A0127					✓			G. Basirah.
47	21X45A0128					✓			U. Vijaykumar
48	21X45A0129					✓			V. Sina.
49	21X45A0130						✓		V. Anand.
50	21X45A0131					✓			P. Srinani
51	21X45A0132			✓					V. Jagadeesh
52	21X45A0133					✓			Manohar.

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IV/IV B. TECH – I SEMESTER

CIRCULAR FOR OPEN ELECTIVE III AND PROFESSIONAL ELECTIVE III OFFERED

Date: 21/06/2022

According to R19 Regulation designed by JNTUK, the subjects comprising Open elective III & Programme elective III of IV/IV B. Tech Civil Engineering students for the academic year 2022-23, I semester are listed below. Therefore, students are instructed to choose open elective and professional elective I subjects on or before 25/06/2022. Details of syllabus are enclosed

OPEN ELECTIVE-III

1. Disaster management
2. Environmental pollution & control
3. Elements of civil engineering
4. Green technology
5. Smart cities
6. Project management
7. Traffic safety
8. Geo-spatial technologies
9. Waste water treatment

PROFESSIONAL ELECTIVE-III

1. Bridge engineering
2. Industrial waste water treatment
3. Earth and rockfill dams
4. Intelligent transport systems
5. Building services



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IV/IV B. TECH I SEMESTER

CIRCULAR

Date: 21/06/2022

This is to inform all the students of IV/IV B.Tech, Civil Engineering, as per decision of the Departmental Academic Committee (DAC), Industrial waste water treatment (IWWT) and Disaster Management (DM) offered as an Open Elective - III, Professional Elective-III for the academic year 2022-23, I Semester.

[Handwritten Signature]
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21/6/22

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Notice Board

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LIST OF ELECTIVES OFFERED CHOICE EXERCISED BY STUDENTS

Academic Year: 2022-23

Year/Semester: IV/I

Section-A

S.NO	Roll No	PROFESSIONAL ELECTIVE-III					STUDENT SIGNATURE
		BE	IWWT	ERD	ITS	BS	
1	19X41A0102		✓				S. Subhashini
2	19X41A0103		✓				V. Kadeep
3	20X45A0101		✓				K. Hasib
4	20X45A0102		✓				S. Ranya
5	20X45A0103		✓				V. Dharmaraj
6	20X45A0104		✓				V. Prasad
7	20X45A0105		✓				N. Pulankuntla
8	20X45A0106			✓			A.B. Saneer
9	20X45A0107			✓			M. Balcha
10	20X45A0108		✓				S. For Anand
11	20X45A0109		✓				R. Sudhanya
12	20X45A0110		✓				Chiranjeev
13	20X45A0111		✓				
14	20X45A0112		✓				P. Ashwini
15	20X45A0113		✓				S.K. Jitendra
16	20X45A0114	✓					M. Anvesh Reddy
17	20X45A0115		✓				B. Ravi Teja
18	20MC5A0106		✓				

HOD
 28/6/22

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LIST OF ELECTIVES OFFERED CHOICE EXERCISED BY STUDENTS

Academic Year: 2022-23

Year/Semester: IV/I

Section-A

S.NO	Roll No	OPEN ELECTIVE-I									STUDENT SIGNATURE	
		DM	EPC	ECE	GT	SC	PM	TS	GST	WWT		
		1. Disaster management (DM) 2. Environmental pollution & control (EPC) 3. Elements of civil engineering (ECE) 4. Green technology (GT) 5. Smart cities (SC) 6. Project management (PM) 7. Traffic safety (TS) 8. Geo-spatial technologies (GST) 9. Waste water treatment (WWT)										
1	19X41A0102	✓										S. Subrahini
2	19X41A0103	✓										V. Lakshmi
3	20X45A0101	✓										J. K. Srinivas
4	20X45A0102	✓										S. Kausar
5	20X45A0103	✓										V. Tharun Rao
6	20X45A0104	✓										V. Divya
7	20X45A0105	✓										N. Divya Kumar
8	20X45A0106	✓										AB. Srinivas
9	20X45A0107	✓										M. Divya

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LIST OF ELECTIVES OFFERED CHOICE EXERCISED BY STUDENTS

Academic Year: 2022-23

Year/Semester: IV/I


Section-A

S.NO	Roll No	OPEN ELECTIVE-I									STUDENT SIGNATURE	
		DM	EPC	ECE	GT	SC	PM	TS	GST	WWT		
10	20X45A0108	✓										R. Rajkumar
11	20X45A0109	✓										R. Subhakar
12	20X45A0110	✓										Ch. Venkatesh
13	20X45A0111		✓									Ch. Venkatesh
14	20X45A0112	✓										P. D. Shwini
15	20X45A0113	✓										S.K. Tilani
16	20X45A0114	✓	✓									M. Venkatesh
17	20X45A0115	✓										B. Ravi Teja
18	20MC5A0106	✓										

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T. Lakshay
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Date: 28-12-2022

CIRCULAR

The following Elective Subjects are offered for IV/IV B.TECH II Semester, Electrical and Electronics Engineering students for the academic year 2022-2023. Hence all the students are instructed to choose an Elective-IV and Open Elective-II subjects among the options in the given format on or before 30-12-2022. The details of the syllabus are enclosed.

ELECTIVE-IV

1. Electrical distribution systems
2. HVAC&DC Transmission
3. Flexible AC Transmission system
4. Power Quality
5. Smart Grid
6. Special Electric Machines

OPEN ELECTIVE-II

1. Disaster Management(CIVIL)
2. AI Tools & Techniques (CSE)
3. Embedded Systems (ECE)

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KAKINADA - 533 003, Andhra Pradesh, India
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

COURSE STRUCTURE-R19

Elective - I:

1. Digital IC Applications
2. Communication Systems
3. Computer Networks
4. Internet of Things applications to Electrical Engineering
5. VLSI Design
6. Cloud Computing

Elective - II:

1. Utilization of Electrical Energy
2. Data Base Management System
3. Advanced Control Systems
4. Electrical Machine Design
5. Hybrid Electric Vehicles
6. Swayam Course

Elective - III:

1. Operating Systems
2. Neural Networks & Fuzzy Logic
3. High Voltage Engineering
4. Energy Auditing and Demand Side Management
5. Data Analytics with Python
6. Swayam Course

Elective - IV:

1. Electrical Distribution Systems
2. **HVAC & DC Transmission**
3. Flexible Alternating Current Transmission Systems
4. Power Quality
5. Smart Grid
6. Special Electrical Machines

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KAKINADA – 533 003, Andhra Pradesh, India
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

OPEN ELECTIVES FOR ECE:

Open Elective 1:

1. DataMining
2. PowerElectronics
3. MEMS and itsapplications
4. Artificial NeuralNetworks

Open Elective 2:

1. 3D Printing
2. Block chainTechnology
3. Cyber Security &Cryptography

OPEN ELECTIVES OFFERED BY ECE:

- OE 1 Principles of communication
OE 2 **Embedded Systems**

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 Department of Electrical and Electronics
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**LIST OF ELECTIVES(MOOCs) OFFERED,
 CHOICE EXERCISED BY STUDENTS**



SRKIT / EEE / 73

Academic Year: 2022-2023

Year/Semester: IV/II

S No	ROLL NO	Elective - IV						Sign
		Electrical distribution systems	HVAC& DC Transmission	Flexible AC Transmission system	Power Quality	Smart Grid	Special Electric Machines	
1	19X41A0201		✓					K.Naveen
2	20X45A0201		✓					A.Hemanth
3	20X45A0202		✓					B.Daveeda
4	20X45A0203	✓						B.Gaushami
5	20X45A0204		✓					B.Spadana
6	20X45A0205		✓					B.Venkatesh
7	20X45A0206		✓					Ch.Balaji
8	20X45A0207		✓					J.Jayapathi
9	20X45A0208		✓					J.Vijaya
10	20X45A0209			✓				K.John Babu
11	20X45A0210		✓					K.Someshwar
12	20X45A0211		✓					K.Venkata Ram
13	20X45A0212				✓			M.Deepthi
14	20X45A0213		✓					M.N.Diva Grace
15	20X45A0214					✓		P.Lakshmi Sree
16	20X45A0215						✓	T.Kusuma
17	20X45A0216		✓					T.Rakesh
18	20X45A0217		✓					U.Laxanya

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**LIST OF ELECTIVES(MOOCs) OFFERED,
 CHOICE EXERCISED BY STUDENTS**



SRKIT / EEE / 73

Academic Year: 2022-2023

Year/Semester: IV/II

S No	ROLL NO	Elective - IV						Sign
		Electrical distribution systems	HVAC&DC Transmission	Flexible AC Transmission system	Power Quality	Smart Grid	Special Electric Machines	
19	20X45A0218		✓					V. prasad
20	20X45A0219		✓					J. sailaja
21	20X45A0220							P. Meenika
22	20X45A0221	✓						Niketha
23	20X45A0222			✓				P. Jalurath
24	20X45A0223		✓					Ch. Nagesh
25	20X45A0224		✓					C. Ganesh
26	20X45A0225		✓					Ch. Venkatesh
27	20X45A0226				✓			D. Venkatesh
28	20X45A0227		✓					V. Srikanth
29	20X45A0229		✓					V. Sanjeev

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 HOD/Date
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Engineering

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Year/Semester: IV/II

Academic Year: 2022-2023

S No	ROLL NO	Open Elective-II			Signature
		Disaster Management	AI Tools & Techniques	Embedded Systems	
1	19X41A0201			✓	K. Naveen
2	20X45A0201			✓	A. Har
3	20X45A0202	✓			B. DEVUDU
4	20X45A0203			✓	B. Ananthoni ^{SS}
5	20X45A0204			✓	B. D. Pandara
6	20X45A0205		✓		B. Venkatesh
7	20X45A0206			✓	Ch. B. V. vidya Raj
8	20X45A0207	✓			J. Thiya
9	20X45A0208			✓	J. Ujwala
10	20X45A0209			✓	K. John Paul
11	20X45A0210		✓		K. Suresh Rao
12	20X45A0211			✓	H. Venkatesh
13	20X45A0212			✓	M. Deepthi
14	20X45A0213	✓			ll. Anesh
15	20X45A0214			✓	P. L. Dhanu
16	20X45A0215				T. Kosuma
17	20X45A0216		✓		T. Rajash
18	20X45A0217			✓	V. Lavanya


Principal

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Engineering

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Academic Year: 2022-2023

Year/Semester: IV/II

S No	ROLL NO	Open Elective-II			Signature
		Disaster Management	AI Tools & Techniques	Embedded Systems	
19	20X45A0218		✓	✓	V. Prasad
20	20X45A0219			✓	J. Sailaja
21	20X45A0220			✓	P. Laxmi
22	20X45A0221		✓		M. Nileeth
23	20X45A0222	✓		✓	E. Jaganath
24	20X45A0223		✓		A. Nagar
25	20X45A0224	✓			S. Ganesh
26	20X45A0225			✓	Ch. V. Lakshmi
27	20X45A0226			✓	D. V. Sandeep
28	20X45A0227			✓	V. S. Krishna
29	20X45A0229		✓		V. Sampath


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Department of Electrical and Electronics
Engineering

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Date: 30-12-2022


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This is to inform all the students of IV/IV B.TECH, Electrical and Electronics Engineering, as per the majority of students opted, Departmental Academic Committee decided to offer **HVAC&DC Transmission subject** as an Elective-IV for the academic year 2022-23, II Semester.


30/12/22
HOD/Date

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Date: 30-12-2022


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This is to inform all the students of IV/IV B.TECH, Electrical and Electronics Engineering, as per the majority of students opted, Departmental Academic Committee decided to offer **Embedded Systems** subject as an Open Elective-II for the academic year 2022-23, II Semester.


30/12/22
HOD/Date

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Date: 19-11-2022

CIRCULAR


The following Elective Subjects are offered for III/IV B.TECH II Semester, Electrical and Electronics Engineering students for the academic year 2022-2023. Hence all the students are instructed to choose an Professional Elective-II and Open Elective-II, subjects among the options in the given format on or before 24-11-2022. The details of the syllabus are enclosed.

PROFESSIONAL ELECTIVE-II

1. Signals and systems
2. Electric Drives
3. Advanced control systems
4. Switchgear and protection
5. Big Data Analysis

OPEN ELECTIVE-II

1. Disaster Management(CIVIL)
2. Computer Networks(CSE)
3. IOT and Applications(ECE)
4. Industrial Robotics (Mech)


 19/11/2022
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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
KAKINADA-533003, Andhra Pradesh, India
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Professional Elective Subjects offered to EEE Branch Students:

Professional Elective – I:

1. Linear IC Applications
2. Utilization of Electrical Energy
3. Computer Architecture and Organization
4. Optimization Techniques
5. Object Oriented Programming through Java

Professional Elective – II:

1. Signal and Systems
2. Electric Drives
3. Advanced Control Systems
4. **Switchgear and Protection**
5. Big Data Analytics

Professional Elective –III:

1. Digital Signal Processing
2. Renewable and Distributed Energy Technologies
3. Flexible Alternating Current Transmission Systems
4. Power Systems Deregulation
5. Data Base Management Systems

Professional Elective – IV:

1. Hybrid Electric Vehicles
2. High Voltage Engineering
3. Programmable Logic Controllers and Applications
4. Cloud Computing with AWS
5. Deep Learning Techniques

Professional Elective – V:

1. Power System Operation and Control
2. Switched Mode Power Conversion
3. AI Applications to Electrical Engineering
4. Data Science
5. MEAN Stack Technologies

Open Electives offered by EEE Department for Other Branches (Except EEE Branch)

Open Elective-I:

1. Renewable Energy Sources
2. Concepts of Optimization Techniques
3. Concepts of Control Systems

Open Elective-II:

1. Battery Management Systems and Charging Stations
2. Fundamentals of utilization of Electrical Energy
3. Indian Electricity Act

Open Elective-III:

1. Concepts of Microprocessors and Microcontrollers
2. Fundamentals of Electric Vehicles
3. Concepts of Internet of Things

Open Elective-IV:

1. Concepts of Power System Engineering
2. Concepts of Smart Grid Technologies

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KAKINADA - 533 003, Andhra Pradesh, India

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Open Electives to be offered by CSE for other Branches:

<p>Open Elective-I:</p> <ol style="list-style-type: none"> 1. Data Structures 2. Object Oriented Programming through JAVA 3. Data Base Management Systems 4. Computer Graphics 5. Advanced UNIX Programming 6. Computer Organization and Architecture 7. Operating Systems 	<p>Open Elective-II:</p> <ol style="list-style-type: none"> 1. Python Programming 2. Web Technologies 3. Soft Computing 4. Distributed Computing 5. AI and ML for Robotics 6. Computer Networks 7. Big Data Analytics 8. Computational Tools
<p>Open Elective-III:</p> <ol style="list-style-type: none"> 1. AI Tools & Techniques 2. Image Processing 3. Information Security 4. Mobile Application Development 5. Data Science 6. Cyber Security 7. Introduction to Internet of Things 	<p>Open Elective-IV:</p> <ol style="list-style-type: none"> 1. MEAN Stack Technologies 2. Deep Learning Techniques 3. Cloud computing with AWS 4. Block Chain Technologies 5. Cryptography & Network Security 6. Introduction to Machine Learning 7. Machine Learning with Python


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Department of Electrical and Electronics Engineering
**LIST OF ELECTIVES(MOOCs) OFFERED, CHOICE
EXERCISED BY STUDENTS**



SRKIT / EEE / 73

Academic Year: 2022-2023

Year/Semester: III/II

S No	ROLL NO	Professional Elective - II					Signature
		Signal and systems	Electric Drives	Advanced control systems	Switch gear and protection	Big Data Analysis	
1	20X41A0201				✓		A. Lakshma
2	20X41A0202				✓		A. Raju
3	20X41A0203		✓				A.V. Satish
4	20X41A0204				✓		B. Sharan
5	20X41A0205				✓		B. Srujan
6	20X41A0206				✓		G. Teja Sri
7	20X41A0207		✓				Srikanth
8	20X41A0208				✓		Avinash
9	20X41A0209			✓			Reddy
10	20X41A0211				✓		L. Vijay Lakshmi
11	20X41A0212				✓		Sri Lakshmi
12	20X41A0213		✓				Tarek Khan
13	20X41A0214				✓		Madhav
14	20X41A0215				✓		P. Srinandini
15	20X41A0216				✓		Srujan Sri
16	20X41A0217				✓		Yakshita
17	21X45A0201				✓		P. Shreyas
18	21X45A0202				✓		Nazeer Khan

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 Department of Electrical and Electronics Engineering
**LIST OF ELECTIVES(MOOCs) OFFERED, CHOICE
 EXERCISED BY STUDENTS**




SRKIT / EEE / 73

Academic Year: 2022-2023

Year/Semester: III/II

S No	ROLL NO	Professional Elective - II					Signature
		Signal and systems	Electric Drives	Advanced control systems	Switch gear and protection	Big Data Analysis	
19	21X45A0203		✓				S. Surenidra
20	21X45A0204				✓		G. Magn Sai
21	21X45A0205				✓		P. Kumar
22	21X45A0206		✓				A. Mahesh
23	21X45A0207			✓			K. Rahul
24	21X45A0208				✓		G. Jayanth
25	21X45A0209				✓		P. Divya Prasad
26	21X45A0210				✓		Susya
27	21X45A0211		✓				D. Ganesha
28	21X45A0212				✓		Bhargava
29	21X45A0213			✓			Manikanta
30	21X45A0214				✓		A. Sidhu
31	21X45A0215				✓		Manasa
32	21X45A0216				✓		Sujatha
33	21X45A0217		✓				Devendrarath
34	21X45A0218		✓				K. Vamsi
35	21X45A0219				✓		K. Susresh
36	21X45A0220				✓		K. Laksh
37	21X45A0221				✓		Manikanta Sai
38	21X45A0222			✓			M.S Pavan
39	21X45A0223				✓		m. mukh


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Department of Electrical and Electronics Engineering
**LIST OF ELECTIVES(MOOCs) OFFERED, CHOICE
EXERCISED BY STUDENTS**



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40	21X45A0224					✓	K. Lahaari
41	21X45A0225	✓					A. Raizak
42	21X45A0226		✓				M. Bhargava
43	21X45A0227				✓		N. S. ddu
44	21X45A0228				✓		M. Jetti
45	21X45A0229				✓		B. Sravani
46	21X45A0230				✓		K. Sai Sumanth
47	21X45A0231		✓				R. S. Venkatesh
48	21X45A0232			✓			Ch. Naveen
49	21X45A0233				✓		J. Kiranmai
50	21X45A0234				✓		P. Sanjay
51	21X45A0235	✓					Sandhya
52	21X45A0237				✓		R. Lakshmin
53	21X45A0238				✓		A. Raheem
54	21X45A0239		✓				A. Charan
55	21X45A0240				✓		U. Sai Ram
56	21X45A0241				✓		N. Pushpak
57	21X45A0242				✓		P. Peddinti

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Department of Electrical and Electronics Engineering

SRKIT / EEE / 73

Academic Year: 2022-2023

Year/Semester: III/II

S No	ROLL NO	Open Elective - II				Signature
		Disaster Management	Computer Network	IOT and Applications	Industrial Robotics	
19	21X45A0203					
20	21X45A0204		✓			Sanyasa Sreedha
21	21X45A0205				✓	Pragna Sai
22	21X45A0206			✓		P. Ravi
23	21X45A0207		✓			A. Maheshwari
24	21X45A0208		✓			K. Ravi
25	21X45A0209		✓			Pragathi
26	21X45A0210		✓			Purva Prasad
27	21X45A0211		✓			Jayashree
28	21X45A0212		✓			Anurag
29	21X45A0213				✓	N. C. M. B. S. Reddy
30	21X45A0214					Srinu
31	21X45A0215		✓	✓		Mubli
32	21X45A0216		✓			Manasa
33	21X45A0217		✓			Sujatha
34	21X45A0218		✓	✓		T. D. S.
35	21X45A0219				✓	K. V. S. R.
36	21X45A0220		✓			K. Suresh
37	21X45A0221		✓			Harsha
38	21X45A0222				✓	Aravind
39	21X45A0223		✓			M. S. R.
40	21X45A0224		✓			M. MUKESH Lahari...


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Department of Electrical and Electronics Engineering


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41	21X45A0225	✓				Bhaskar
42	21X45A0226		✓			Bhalgav
43	21X45A0227					N. Siddu
44	21X45A0228			✓		J. Mebdy
45	21X45A0229	✓		✓		B. Sravani
46	21X45A0230			✓		S. Umth
47	21X45A0231	✓				R. L. Venkatesh
48	21X45A0232	✓				Ch. Navan.
49	21X45A0233			✓		K. Ramma
50	21X45A0234	✓				P. Sanjay
51	21X45A0235	✓				Sandhya
52	21X45A0237	✓				R. Lakshman
53	21X45A0238			✓		A. Rahim
54	21X45A0239	✓				Ch. Charan
55	21X45A0240	✓				U. Sai Ram
56	21X45A0241	✓				N. Pushpak
57	21X45A0242	✓				Indeepya

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Date: 27-12-2022


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This is to inform all the students of III/IV B.TECH, Electrical and Electronics Engineering, as per the majority of students opted, Departmental Academic Committee decided to offer **Switch gear and protection** subject as an Professional Elective-II for the academic year 2022-23, II Semester.


HOD/Date 27/12/2022

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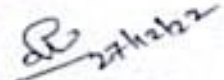

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Date: 27-12-2022

CIRCULAR

This is to inform all the students of III/IV B.TECH, Electrical and Electronics Engineering, as per the majority of students opted, Departmental Academic Committee decided to offer **Computer Networks** subject as an Open Elective-II for the academic year 2022-23, II Semester.


27/12/22
HOD/Date

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(ISO 9001:2015 Certified Institution)
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Date: 27-05-2022

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The following Elective Subjects are offered for IV/IV B.TECH I Semester, Electrical and Electronics Engineering students for the academic year 2021-23. Hence all the students are instructed to choose an Elective-II and Elective-III subjects among the options in the given format on or before 02-06-2022. The details of the syllabus are enclosed.

ELECTIVE-II

1. Utilization of Electrical Energy
2. Data Base Management System
3. Advanced Control Systems
4. Electrical Machine Design
5. Hybrid Electric Vehicles
6. Swayam Course

ELECTIVE-III

1. Operating Systems
2. Neural Networks & Fuzzy Logic
3. High Voltage Engineering
4. Energy Auditing and Demand Side Management
5. Data Analytics with Python
6. Swayam Course

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY: KAKINADA
KAKINADA - 533 003, Andhra Pradesh, India
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

COURSE STRUCTURE-R19

Elective - I:

1. Digital IC Applications
2. Communication Systems
3. Computer Networks
4. Internet of Things applications to Electrical Engineering
5. VLSI Design
6. Cloud Computing

Elective - II:

1. **Utilization of Electrical Energy**
2. Data Base Management System
3. Advanced Control Systems
4. Electrical Machine Design
5. Hybrid Electric Vehicles
6. Swayam Course

Elective - III:

1. Operating Systems
2. Neural Networks & Fuzzy Logic
3. **High Voltage Engineering**
4. Energy Auditing and Demand Side Management
5. Data Analytics with Python
6. Swayam Course

Elective - IV:

1. Electrical Distribution Systems
2. HVAC & DC Transmission
3. Flexible Alternating Current Transmission Systems
4. Power Quality
5. Smart Grid
6. Special Electrical Machines

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Enikepadu, Vijayawada 521108

Department of Electrical and Electronics

Engineering

**LIST OF ELECTIVES(MOOCs) OFFERED,
CHOICE EXERCISED BY STUDENTS**

SRKIT / EEE / 73

Academic Year: 2022-23

Year/Semester: IV/I

S.No	Roll No	Elective -II						Signature of the student
		Utilization of Electrical Energy	Data Base Management System	Advanced Control Systems	Electrical Machine Design	Hybrid Electric Vehicle	Swayam Course	
1	19X410A0201	✓						
2	20X450A0201	✓						
3	20X450A0202	✓				✓		
4	20X450A0203	✓						
5	20X450A0204			✓	✓			
6	20X450A0205	✓				✓		
7	20X450A0206	✓			✓			
8	20X450A0207	✓						
9	20X450A0208				✓			
10	20X450A0209	✓						
11	20X450A0210	✓						
12	20X450A0211	✓						
13	20X450A0212	✓						
14	20X450A0213	✓						
15	20X450A0214		✓					
16	20X450A0215	✓						
17	20X450A0216	✓						
18	20X450A0217	✓						
19	20X450A0218	✓						
20	20X450A0219	✓						
21	20X450A0220	✓						
22	20X450A0221	✓						
23	20X450A0222							
24	20X450A0223	✓			✓			
25	20X450A0224	✓						
26	20X450A0225			✓				
27	20X450A0226					✓		
28	20X450A0227	✓						
29	20X450A0228							
30	20X450A0229	✓						

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27/5/22



SRK INSTITUTE OF TECHNOLOGY
 Enikepadu, Vijayawada 521108
 Department of Electrical and Electronics
 Engineering

SRKIT / EEE / 73

**LIST OF ELECTIVES(MOOCs) OFFERED,
 CHOICE EXERCISED BY STUDENTS**

Academic Year: 2022-23

Year/Semester: IV/I

S.No	Roll No	Elective -III						Signature of the student
		Operating Systems	Neural Networks & Fuzzy Logic	High Voltage Engineering	Energy Audit and demand side Management	Data Analytics with Python	Swayam Courses	
1	19X410A0201							
2	20X450A0201			✓				K. N. Lakshmi
3	20X450A0202			✓	✓			A. Lakshmi
4	20X450A0203			✓				B. Dhanu
5	20X450A0204	✓		✓				B. Chaitanya
6	20X450A0205	✓				✓		B. Srinivas
7	20X450A0206	✓				✓		D. Venkatesh
8	20X450A0207				✓			Ch. Praveen
9	20X450A0208				✓			J. Chaitanya
10	20X450A0209			✓				J. Ujjwal
11	20X450A0210			✓				K. Srinivas
12	20X450A0211			✓				K. Srinivas
13	20X450A0212			✓				K. Ravi
14	20X450A0213			✓				M. Dhanu
15	20X450A0214			✓				M. N. D. U. Prasad
16	20X450A0215			✓				P. Lakshmi Srinivas
17	20X450A0216			✓				T. Keerthi
18	20X450A0217			✓				T. Chaitanya
19	20X450A0218			✓		✓		V. Lavanya
20	20X450A0219			✓				Y. Prasad
21	20X450A0220			✓				J. Saloni
22	20X450A0221			✓				D. Mohanika
23	20X450A0222			✓				H. Niketha
24	20X450A0223			✓				S. Anusha
25	20X450A0224			✓				S. Anusha
26	20X450A0225	✓		✓				C. Anusha
27	20X450A0226	✓						R. Venkatesh
28	20X450A0227			✓				A. V. Srinivas
29	20X450A0228							Srinivas
30	20X450A0229			✓				Sundeep


 HoD / Date 27/5/22
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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Date: 02-06-2022

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This is to inform all the students of IV/IV B.TECH Electrical and Electronics Engineering, as per the majority of students opted, Departmental Academic Committee decided to offer **Utilization of Electrical Energy** subject as an Elective-II, **High Voltage Engineering** subject as Elective-III for the academic year 2022-23, I Semester.

R
HOD/Date 2/6/22

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
KAKINADA - 533 003, Andhra Pradesh, India
DEPARTMENT OF MECHANICAL ENGINEERING

COURSE STRUCTURE

For UG - R20

B. TECH - MECHANICAL ENGINEERING

(Applicable for batches admitted from 2020-2021)



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
KAKINADA - 533 003, Andhra Pradesh, India

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
KAKINADA – 533 003, Andhra Pradesh, India
DEPARTMENT OF MECHANICAL ENGINEERING

COURSE STRUCTURE

I Year – I SEMESTER

SL.No	Course Code	Subjects	L	T	P	Credits
1	BSC-1	Calculus & Differential Equations (M-I)	3	0	0	3
2	BSC-2	Engineering Physics	3	0	0	3
3	ESC-1	Programming for Problem Solving	3	0	0	3
4	HSC-1	Communicative English	3	0	0	3
5	ESC-2	Engineering Drawing	2	0	2	3
6	BSC-L1	Engineering Physics Lab	0	0	3	1.5
7	ESC-L1	Programming for Problem Solving Using C Laboratory	0	0	3	1.5
8	HSC-L1	English Communication Skills Laboratory	0	0	3	1.5
9	MC -1	Environmental Science	2	0	0	0
Total Credits						19.5

I Year – II SEMESTER

SLNo	Course Code	Subjects	L	T	P	Credits
1	BSC-3	Linear Algebra & Numerical Methods (M-II)	3	0	0	3
2	BSC-4	Engineering Chemistry	3	0	0	3
3	ESC-3	Engineering Mechanics	3	0	0	3
4	ESC-4	Basic Electrical & Electronics Engineering	3	0	0	3
5	ESC-5	Thermodynamics	3	0	0	3
6	ESC-L2	Workshop Practice Lab	0	0	3	1.5
7	BSC-L2	Engineering Chemistry Laboratory	0	0	3	1.5
8	ESC-L3	Basic Electrical & Electronics Engineering Lab	0	0	3	1.5
9	MC-2	Constitution of India	2	0	0	0
Total Credits						19.5

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KAKINADA – 533 003, Andhra Pradesh, India
DEPARTMENT OF MECHANICAL ENGINEERING

II YEAR I SEMESTER

S. No.	Course Code	Course Title	L	T	P	Credits
1	BSC-5	Vector Calculus, Fourier Transforms and PDE(M-III)	3	0	0	3
2	PCC-1	Mechanics of Solids	3	0	0	3
3	PCC-2	Fluid Mechanics & Hydraulic Machines	3	0	0	3
4	PCC-3	Production Technology	3	0	0	3
5	PCC-4	Kinematics of Machinery	3	0	0	3
6	PCC-L1	Computer Aided Engineering Drawing Practice	0	0	3	1.5
7	PCC-L2	Fluid Mechanics & Hydraulic Machines Lab	0	0	3	1.5
8	PCC-L3	Production Technology Lab	0	0	3	1.5
9	SOC-1	Drafting and Modeling Lab	0	0	4	2
10	MC-3	Essence of Indian Traditional Knowledge	2	0	0	0
		Total Credits				21.5

II YEAR II SEMESTER

S. No	Course Code	Course Title	L	T	P	Credits
1	ESC-6	Material Science & Metallurgy	3	0	0	3
2	BSC-6	Complex Variables and Statistical Methods	3	0	0	3
3	PCC-5	Dynamics of Machinery	3	0	0	3
4	PCC-6	Thermal Engineering-I	3	0	0	3
5	HSC-2	Industrial Engineering and Management	3	0	0	3
6	ESC-L4	Mechanics of Solids and Metallurgy Lab	0	0	3	1.5
7	PCC-L6	Machine Drawing Practice	0	0	3	1.5
8	PCC-L7	Theory of Machines Lab	0	0	3	1.5
9	SOC-2	Python Programming Lab	1	0	2	2
		Total Credits				21.5
		Honors/Minor courses	4	0	0	4

* At the end of II Year II Semester, students must complete summer internship spanning between 1 to 2 months (Minimum of 6 weeks), @ Industries/ Higher Learning Institutions/ APSSDC.

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KAKINADA – 533 003, Andhra Pradesh, India
DEPARTMENT OF MECHANICAL ENGINEERING
III B.TECH I SEMESTER

S No	Code	Course Title	Hours			Credits
			L	T	P	
1	PCC-7	Thermal Engineering-II	3	0	0	3
2	PCC-8	Design of Machine Members-I	3	0	0	3
3	PCC-9	Machining, Machine Tools & Metrology	3	0	0	3
4	OE-1	1. Sustainable Energy Technologies 2. Operations Research 3. Nano Technology 4. Thermal Management of Electronic systems	3	0	0	3
5	PE-1	1. Finite Element Methods 2. Industrial Robotics 3. Advanced Materials 4. Renewable Energy Sources 5. Mechanics of Composites 6. MOOCs (NPTEL/ Swayam) Course (12 Week duration)	3	0	0	3
6	PCC-L6	Machine Tools Lab	0	0	3	1.5
7	PCC-L7	Thermal Engineering Lab	0	0	3	1.5
8	SOC-3	Advanced Communication Skills Lab	1	0	2	2
9	MC – 4	Professional Ethics and Human Values	2	0	0	0
Evaluation of Summer Internship which is completed at the end of II B.Tech II Semester						1.5
Total credits						21.5
Honors/Minor courses			4	0	0	4

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
KAKINADA – 533 003, Andhra Pradesh, India
DEPARTMENT OF MECHANICAL ENGINEERING

III B.TECH II SEMESTER

S.No	Code	Course Title	Hours			Credits
			L	T	P	
1	PCC-10	Heat Transfer	3	0	0	3
2	PCC-11	Design of Machine Members-II	3	0	0	3
3	PCC-12	Introduction to Artificial Intelligence and Machine Learning	3	0	0	3
4	PE-2	1. Automobile Engineering 2. Smart Manufacturing 3. Advanced Mechanics of Solids 4. Statistical Quality Control 5. Industrial Hydraulics and Pneumatics 6. MOOCs (NPTEL/ Swayam) Course (12 Week duration)	3	0	0	3
5	OE-2	1. Industrial Robotics 2. Essentials of Mechanical Engineering 3. Advanced Materials 4. Introduction to Automobile Engineering	3	0	0	3
6	PCC-L8	Heat Transfer Lab	0	0	3	1.5
7	PCC-L9	CAE&CAM Lab	0	0	3	1.5
8	PCC-L10	Measurements & Metrology Lab	0	0	3	1.5
9	SOC-4	Artificial Intelligence and Machine Learning Lab	0	0	4	2
10	MC - 5	Research Methodology and IPR	2	0	0	0
Total credits						21.5
Honors/Minor courses			4	0	0	4

* At the end of III Year II Semester, students shall complete summer internship spanning between 1 to 2 months at Industries/ Higher Learning Institutions/ APSSDC.

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DEPARTMENT OF MECHANICAL ENGINEERING

III/IV B. TECH - I SEMESTER

CIRCULAR FOR PE - 1 ELECTIVE OFFERED

Date: 16/06/2022

The following subjects are offered as PE - 1 for III/IV B. TECH, Mechanical Engineering students for the academic year 2022-23, I Semester (R20). Hence all the students are instructed to choose a PE - 1 subject among the options in the given format, on or before 21/06/2022. The details of the syllabus are enclosed.

PE - 1

1. Finite Element Methods
2. Industrial Robotics ✓
3. Advanced Materials
4. Renewable Energy Sources
5. Mechanics of Composites
6. MOOCS (NPTEL/Swayam) Course (12 Week Duration)

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DEPARTMENT OF MECHANICAL ENGINEERING

LIST OF ELECTIVES (MOOCS) OFFERED, CHOICE EXERCISED BY STUDENTS

Academic Year: 2022-23

Year/Semester: III/I Section-I

S. No.	Roll No.	PE - I					
		Finite Element Methods	Industrial Robotics	Advanced Materials	Renewable Energy Sources	Mechanics of Composites	MOOCS (NPTEL/Swayam)
1	20X41A0301		N. Divya Prasad				
2	20X41A0302		V. Srinivas				
3	20X41A0303				V. Divya Nagaraj		
4	20X41A0304		G. Anish				
5	20X41A0305		M. Adith				
6	20X41A0306		R. Kishan				
7	21X45A0301		A. Anish				
8	21X45A0302		A. Anish				
9	21X45A0303		J. Praveen				
10	21X45A0304		K. Praveen				
11	21X45A0305		B. Anish				
12	21X45A0306		M. Srinivas				
13	21X45A0307		D. Anish				
14	21X45A0308		D. Chandu				
15	21X45A0310		G. Anish				
16	21X45A0311		G. Anish				
17	21X45A0312		G. Anish				
18	21X45A0313		N. Srinivas				
19	21X45A0314						
20	21X45A0315		K. Anish				
21	21X45A0317						
22	21X45A0318		K. Praveen				
23	21X45A0319				K. Anish		
24	21X45A0321		K. Anish				
25	21X45A0322		K. Anish				
26	21X45A0323		K. Anish				
27	21X45A0324		K. Anish				
28	21X45A0325		M. Anish				

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S. No.	P. No.	PE - I					
		Finite Element Methods	Industrial Robotics	Advanced Materials	Renewable Energy Sources	Mechanics of Composites	MOOCS (NPTEL/Swayam)
29	21X45A0326		M. Pradeep				
30	21X45A0327		M. Saketh				
31	21X45A0328		M. Divy				
32	21X45A0330		N. Pradeep				
33	21X45A0331				N. D. D. Sankar		
34	21X45A0332		P. Deepak				
35	21X45A0333		P. Aijou				
36	21X45A0334		S. Anand				
37	21X45A0335		S. Srinivas				
38	21X45A0336		S. Srinivas				
39	21X45A0337		S. Srinivas				
40	21X45A0338		S. Ravi				
41	21X45A0339		T. Praveen				
42	21X45A0341		S. Srinivas				
43	21X45A0342		T. Chaitanya				
44	21X45A0343		T. Chaitanya				
45	21X45A0344		V. Soma Sankar				
46	21X45A0345		V. Vijay				


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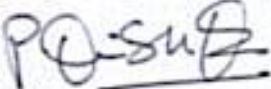
DEPARTMENT OF MECHANICAL ENGINEERING

III/IV B. TECH - I SEMESTER

CIRCULAR

Date: 27/06/2022

This is to inform all the students of III/IV B. TECH, Mechanical Engineering, as per decision of the Departmental Academic Committee, the **Industrial Robotics** subject offered as a PE - 1 elective for the academic year 2022-23, I Semester.


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DEPARTMENT OF MECHANICAL ENGINEERING

III/IV B. TECH – II SEMESTER

CIRCULAR FOR PE – 2 ELECTIVES OFFERED

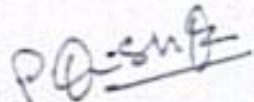
Date: 22/11/2022

The following subjects are offered as a PE – 2 for III/IV B. TECH, Mechanical Engineering students for the academic year 2022-23, II Semester (R20). Hence all the students are instructed to choose PE – 2 subject among the options in the given format, on or before 26/11/2022. The details of the syllabus are enclosed.

PE - 2

1. Automobile Engineering
2. Smart Manufacturing
3. Advanced Mechanics of Solids
4. Statistical Quality Control
5. Industrial Hydraulics and Pneumatics
6. MOOCs (NPTEL/ Swayam) Course (12 Week duration)

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DEPARTMENT OF MECHANICAL ENGINEERING

LIST OF ELECTIVES (MOOCS) OFFERED; CHOICE EXERCISED BY STUDENTS

Academic Year: 2022-23

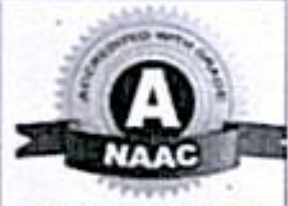
Year/Semester: III/II Section-I

S. No.	Roll No.	PE - 2					
		Automobile Engineering	Smart Manufacturing	Advanced Mechanics of solids	Statistical Quality Control	Industrial hydraulics and Pneumatics	MOOCS (NPTEL/S wayam)
1	20X41A0301	N. D. Divya					
2	20X41A0302	T. V. S. S. S. S. S.					
3	20X41A0303	V. Divya					
4	20X41A0304	G. S. S. S.					
5	20X41A0305	M. S. S. S.					
6	20X41A0306	B. S. S. S.					
7	21X45A0301	A. S. S. S.					
8	21X45A0302			A. S. S. S.			
9	21X45A0303	A. S. S. S.					
10	21X45A0304	R. S. S. S.					
11	21X45A0305	B. S. S. S.					
12	21X45A0306	Ch. S. S. S.					
13	21X45A0307						
14	21X45A0308	D. S. S. S.					
15	21X45A0310	A. S. S. S.					
16	21X45A0311	G. S. S. S.					
17	21X45A0313	K. S. S. S.					
18	21X45A0314	K. S. S. S.					
19	21X45A0315	A. S. S. S.					
20	21X45A0318			K. S. S. S.			
21	21X45A0319	K. S. S. S.					
22	21X45A0321	K. S. S. S.					
23	21X45A0322	K. S. S. S.					
24	21X45A0323	K. S. S. S.					
25	21X45A0324	K. S. S. S.					
26	21X45A0325						
27	21X45A0326	A. S. S. S.					

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S. No.	Roll No.	PE - 2					
		Automobile Engineering	Smart Manufacturing	Advanced Mechanics of solids	Statistical Quality Control	Industrial hydraulics and Pneumatics	MOOCS (NPTEL/S wayam)
28	21X45A0327	M. Saketh					
29	21X45A0328	H. D. S. R. J.					
30	21X45A0330			N. Pratap			
31	21X45A0331	N. D. S. S. R. K.					
32	21X45A0332	P. Deepak					
33	21X45A0333	P. S. J. S.					
34	21X45A0334	S. S. S. S.					
35	21X45A0335	R. S. S. S.					
36	21X45A0336	S. S. S. S.					
37	21X45A0337	S. S. S. S.					
38	21X45A0338	S. S. S. S.					
39	21X45A0339	T. S. S. S.					
40	21X45A0341	S. S. S. S.					
41	21X45A0342	T. S. S. S.					
42	21X45A0343		T. Venkatesai				
43	21X45A0344	V. S. S. S.					
44	21X45A0345		V. Vijay				

P. S. S. S.
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DEPARTMENT OF MECHANICAL ENGINEERING

III/IV B. TECH – II SEMESTER

CIRCULAR

Date: 29/11/2022

This is to inform all the students of III/IV B. TECH, Mechanical Engineering, as per decision of the Departmental Academic Committee, the **Automobile Engineering** subject offered as a PE - 2 elective for the academic year 2022-23, II Semester.


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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY:: KAKINADA
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

GENERAL MINOR TRACKS

S. No.	Subject	L-T-P	Credits
1	Electronics Devices and Basic Circuits	3-1-0	4
2	Digital Electronics	3-1-0	4
3	Principles of Communication	3-1-0	4
4	Signal Analysis	3-1-0	4

In addition to any of the four subjects, MOOC/NPTEL Courses for 04 credits (02 courses@ 2 credits each) are compulsory in the domain of Electronics and Communication Engineering

List of the **OPEN ELECTIVES** offered by **ECE Department** to other Branches:

1. Basics of Signals and Systems
2. **Electronic Measurements and Instrumentation**
3. Principles of Signal Processing
4. Industrial Electronics
5. Consumer Electronics
6. Fundamentals of Microprocessors and Microcontrollers
7. Transducers and Sensors
8. IOT and Applications
9. Soft Computing Techniques
10. IC Applications
11. Principles of Communications
12. Basic Electronics
13. Data Communications
14. Digital Logic design
15. Remote Sensing and GIS
16. Bio Medical Instrumentation

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

KAKINADA-533003, Andhra Pradesh, India

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Professional Elective Subjects offered to EEE Branch Students:

Professional Elective – I:

1. Linear IC Applications
2. Utilization of Electrical Energy
3. Computer Architecture and Organization
4. Optimization Techniques
5. Object Oriented Programming through Java

Professional Elective – II:

1. Signal and Systems
2. Electric Drives
3. Advanced Control Systems
4. Switchgear and Protection
5. Big Data Analytics

Professional Elective –III:

1. Digital Signal Processing
2. Renewable and Distributed Energy Technologies
3. Flexible Alternating Current Transmission Systems
4. Power Systems Deregulation
5. Data Base Management Systems

Professional Elective – IV:

1. Hybrid Electric Vehicles
2. High Voltage Engineering
3. Programmable Logic Controllers and Applications
4. Cloud Computing with AWS
5. Deep Learning Techniques

Professional Elective – V:

1. Power System Operation and Control
2. Switched Mode Power Conversion
3. AI Applications to Electrical Engineering
4. Data Science
5. MEAN Stack Technologies

Open Electives offered by EEE Department for Other Branches (Except EEE Branch)

Open Elective-I:

1. Renewable Energy Sources
2. Concepts of Optimization Techniques
3. Concepts of Control Systems

Open Elective-II:

1. Battery Management Systems and Charging Stations
2. Fundamentals of utilization of Electrical Energy
3. Indian Electricity Act

Open Elective-III:

1. Concepts of Microprocessors and Microcontrollers
2. Fundamentals of Electric Vehicles
3. Concepts of Internet of Things

Open Elective-IV:

1. Concepts of Power System Engineering
2. Concepts of Smart Grid Technologies

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
KAKINADA – 533 003, Andhra Pradesh, India

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Open Electives to be offered by CSE for other Branches:

<p>Open Elective-I:</p> <ol style="list-style-type: none"> 1. Data Structures 2. Object Oriented Programming through JAVA 3. Data Base Management Systems 4. Computer Graphics 5. Advanced UNIX Programming 6. Computer Organization and Architecture 7. Operating Systems 	<p>Open Elective-II:</p> <ol style="list-style-type: none"> 1. Python Programming 2. Web Technologies 3. Soft Computing 4. Distributed Computing 5. AI and ML for Robotics 6. Computer Networks 7. Big Data Analytics 8. Computational Tools
<p>Open Elective-III:</p> <ol style="list-style-type: none"> 1. AI Tools & Techniques 2. Image Processing 3. Information Security 4. Mobile Application Development 5. Data Science 6. Cyber Security 7. Introduction to Internet of Things 	<p>Open Elective-IV:</p> <ol style="list-style-type: none"> 1. MEAN Stack Technologies 2. Deep Learning Techniques 3. Cloud computing with AWS 4. Block Chain Technologies 5. Cryptography & Network Security 6. Introduction to Machine Learning 7. Machine Learning with Python

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DEPARTMENT OF MECHANICAL ENGINEERING

III/IV B. TECH - I SEMESTER

CIRCULAR FOR OE - 1 ELECTIVE OFFERED

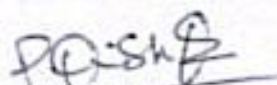
Date: 16/06/2022


The following subjects are offered as OE - 1 for III/IV B. TECH, Mechanical Engineering students for the academic year 2022-23, I Semester (R20). Each subject has been offered by various departments. Hence all the students are instructed to choose an OE - 1 subject among the options in the given format, on or before 21/06/2022. The details of the syllabus are enclosed.

OE - 1

1. Electronic Measurements and Instrumentation (ECE)
2. Concepts of Optimization Techniques (EEE)
3. Data Structures (CSE)

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DEPARTMENT OF MECHANICAL ENGINEERING

LIST OF ELECTIVES (MOOCS) OFFERED; CHOICE EXERCISED BY STUDENTS

Academic Year: 2022-23

Year/Semester: III/I Section-I

S. No.	Roll No.	OE - 1		
		Electronic Measurements and Instrumentation (ECE)	Concepts of Optimization Techniques (EEE)	Data Structures (CSE)
1	20X41A0301			N. Narayana Prasad
2	20X41A0302			V. Rajasekhara
3	20X41A0303			V. Srinivas Nageswar Rao
4	20X41A0304			G. Suresh Kumar
5	20X41A0305			M. Jyoti Kumar
6	20X41A0306			B. Geetha
7	21X45A0301			A. Dharmika
8	21X45A0302			A. Mahesh
9	21X45A0303	A. J. Sargam		
10	21X45A0304			B. Vasanth
11	21X45A0305		Chidambaram	
12	21X45A0306			Ch. Sairam
13	21X45A0307			G. N. N. N. N.
14	21X45A0308			D. Chandu
15	21X45A0310		G. Srinivas Kumar	
16	21X45A0311			G. D. D. D.
17	21X45A0312			G. Praveen
18	21X45A0313			H. Swamy
19	21X45A0314		IC-TEP	
20	21X45A0315			K. Suresh
21	21X45A0317			
22	21X45A0318			K. Sharmu
23	21X45A0319			K. D. D. D.
24	21X45A0321			K. D. D. D.
25	21X45A0322			K. D. D. D.
26	21X45A0323			K. D. D. D.
27	21X45A0324			K. D. D. D.

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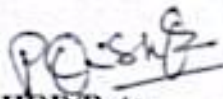


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S. No.	Roll No.	OE - I		
		Electronic Measurements and Instrumentation (ECE)	Concepts of Optimization Techniques (EEE)	Data Structures (CSE)
28	21X45A0325			M. Ganesh
29	21X45A0326			M. pradeep
30	21X45A0327			M. Saketh
31	21X45A0328	H. Divya		
32	21X45A0330			N. Pratap
33	21X45A0331			N.M.D. SaSank
34	21X45A0332			P. Deepak
35	21X45A0333			P. Divya
36	21X45A0334			S. Anand
37	21X45A0335			S. Suryakant
38	21X45A0336			S. Pavan Kumar
39	21X45A0337	C.K. Madhan Varun		
40	21X45A0338			SK Rati
41	21X45A0339			T. Divyanshika
42	21X45A0341			S. Tharun
43	21X45A0342			T. Chaitanya
44	21X45A0343			T. Venkatesh Sai
45	21X45A0344			V. Soma Sekhara
46	21X45A0345			V. Vijay


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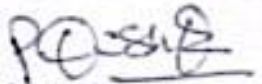
DEPARTMENT OF MECHANICAL ENGINEERING

III/IV B. TECH – I SEMESTER

CIRCULAR

Date: 27/06/2022

This is to inform all the students of III/IV B. TECH, Mechanical Engineering, as per decision of the Departmental Academic Committee, the **Data Structures** subject will be offered by CSE Department as an OE - 1 elective for the academic year 2022-23, I Semester.


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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY:: KAKINADA
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

GENERAL MINOR TRACKS

S. No.	Subject	L-T-P	Credits
1	Electronics Devices and Basic Circuits	3-1-0	4
2	Digital Electronics	3-1-0	4
3	Principles of Communication	3-1-0	4
4	Signal Analysis	3-1-0	4

In addition to any of the four subjects, MOOC/NPTEL Courses for 04 credits (02 courses@ 2 credits each) are compulsory in the domain of Electronics and Communication Engineering

List of the **OPEN ELECTIVES** offered by **ECE Department** to other Branches:

1. Basics of Signals and Systems
2. **Electronic Measurements and Instrumentation**
3. Principles of Signal Processing
4. Industrial Electronics
5. Consumer Electronics
6. Fundamentals of Microprocessors and Microcontrollers
7. Transducers and Sensors
8. IOT and Applications
9. Soft Computing Techniques
10. IC Applications
11. Principles of Communications
12. Basic Electronics
13. Data Communications
14. Digital Logic design
15. Remote Sensing and GIS
16. Bio Medical Instrumentation

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KAKINADA – 533 003, Andhra Pradesh, India
DEPARTMENT OF CIVIL ENGINEERING

OPEN ELECTIVES R20

(4 OE x 3 = 12 Credits)

Note: Student must choose subjects which were not opted earlier.

(OE Starts from III-I)

Open Elective-I/ Open Elective-III (Offered in Odd Semesters)	Open Elective-II/ Open Elective-IV (Offered in Even Semesters)
a) Strength of Materials b) Fluid Mechanics c) Surveying and Geomatics d) Highway Engineering e) Safety Engineering f) Environmental Management g) Urban Planning	a) Elements of Civil Engineering b) Environmental Engineering c) Disaster Management d) Water Resource Engineering e) Hydraulics and Hydraulic Machinery f) Green Technologies g) Remote Sensing & GIS

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KAKINADA-533003, Andhra Pradesh, India

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Professional Elective Subjects offered to EEE Branch Students:

Professional Elective – I:

1. Linear IC Applications
2. Utilization of Electrical Energy
3. Computer Architecture and Organization
4. Optimization Techniques
5. Object Oriented Programming through Java

Professional Elective – II:

1. Signal and Systems
2. Electric Drives
3. Advanced Control Systems
4. Switchgear and Protection
5. Big Data Analytics

Professional Elective –III:

1. Digital Signal Processing
2. Renewable and Distributed Energy Technologies
3. Flexible Alternating Current Transmission Systems
4. Power Systems Deregulation
5. Data Base Management Systems

Professional Elective – IV:

1. Hybrid Electric Vehicles
2. High Voltage Engineering
3. Programmable Logic Controllers and Applications
4. Cloud Computing with AWS
5. Deep Learning Techniques

Professional Elective – V:

1. Power System Operation and Control
2. Switched Mode Power Conversion
3. AI Applications to Electrical Engineering
4. Data Science
5. MEAN Stack Technologies

Open Electives offered by EEE Department for Other Branches (Except EEE Branch)

Open Elective-I:

1. Renewable Energy Sources
2. Concepts of Optimization Techniques
3. Concepts of Control Systems

Open Elective-II:

1. Battery Management Systems and Charging Stations
2. Fundamentals of utilization of Electrical Energy
3. Indian Electricity Act

Open Elective-III:

1. Concepts of Microprocessors and Microcontrollers
2. Fundamentals of Electric Vehicles
3. Concepts of Internet of Things

Open Elective-IV:

1. Concepts of Power System Engineering
2. Concepts of Smart Grid Technologies



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DEPARTMENT OF MECHANICAL ENGINEERING

III/IV B. TECH – II SEMESTER

CIRCULAR FOR OPEN ELECTIVE – II OFFERED

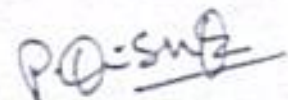
Date: 22/11/2022

The following subjects are offered as an Open Elective - II for III/IV B. TECH, Mechanical Engineering students for the academic year 2022-23, II Semester (R20). Each subject has been offered by various departments. Hence all the students are instructed to choose an Open Elective – II subject among the options in the given format, on or before 26/11/2022. The details of the syllabus are enclosed.

OPEN ELECTIVE – II

1. Electronic Measurements and Instrumentation (ECE)
2. Disaster Management (Civil Engineering)
3. Fundamentals of utilization of Electrical Energy (EEE)

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DEPARTMENT OF MECHANICAL ENGINEERING

LIST OF ELECTIVES (MOOCS) OFFERED; CHOICE EXERCISED BY STUDENTS

Academic Year: 2022-23

Year/Semester: III/II Section-I

S. No.	Roll No.	OE - 2		
		Electronic Measurements and Instrumentation (ECE)	Disaster Management (Civil)	Fundamentals of utilization of Electrical Energy (EEE)
1	20X41A0301		N. N. Prasad	
2	20X41A0302		V. Rajasekar	
3	20X41A0303		V. Siva Subramanian	
4	20X41A0304		G. Prasad	
5	20X41A0305		M. Lakshmi	
6	20X41A0306		B. Kasthik	
7	21X45A0301			A. Jha
8	21X45A0302			A. Mahesh
9	21X45A0303	A. Jagan		
10	21X45A0304		B. Yashwanth	
11	21X45A0305		B. Abhishek	
12	21X45A0306		Ch. Saimanth	
13	21X45A0307			
14	21X45A0308		O. Chandu	
15	21X45A0310		G. Anand	
16	21X45A0311		G. Durga Kiran	
17	21X45A0313		H. Swamy	
18	21X45A0314		K. TEJA	
19	21X45A0315		K. Anand	
20	21X45A0318		K. Ramesh	
21	21X45A0319		K. Shanmukh	
22	21X45A0321	K. Anand		
23	21X45A0322		K. Jagan	
24	21X45A0323		K. Jaya Venkat	
25	21X45A0324		K. Sumanth	
26	21X45A0325			

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S. No.	Roll No.	OE - 2		
		Electronic Measurements and Instrumentation (ECE)	Disaster Management (Civil)	Fundamentals of utilization of Electrical Energy (EEE)
27	21X45A0326		M. pradeep	
28	21X45A0327		M. Saketh.	
29	21X45A0328		M. Dhruv	
30	21X45A0330		N. Pratap Kumar	
31	21X45A0331		M. N. D. Sank	
32	21X45A0332		P. Deepak	
33	21X45A0333		P. Jay	
34	21X45A0334		S. Anand	
35	21X45A0335		S. Anand	
36	21X45A0336		S. Anand	
37	21X45A0337		S. Anand	
38	21X45A0338		S. Ravi	
39	21X45A0339		T. Divya Anikanta	
40	21X45A0341		S. Tharun	
41	21X45A0342		T. Chaitanya	
42	21X45A0343			T. Venkata sai
43	21X45A0344		V. Somasekhari	
44	21X45A0345		V. Vijay	


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DEPARTMENT OF MECHANICAL ENGINEERING

III/IV B. TECH – II SEMESTER

CIRCULAR

Date: 29/11/2022

This is to inform all the students of III/IV B. TECH, Mechanical Engineering, as per decision of the Departmental Academic Committee, the **Disaster Management** subject will be offered by the Civil Engineering Department as an open elective – 2 for the academic year 2022-23, II Semester.


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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
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DEPARTMENT OF MECHANICAL ENGINEERING

COURSE STRUCTURE AND SYLLABUS

For

B. TECH MECHANICAL ENGINEERING

(Applicable for batches admitted from 2019-2020)



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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
KAKINADA – 533 003, Andhra Pradesh, India
DEPARTMENT OF MECHANICAL ENGINEERING
I Year – I SEMESTER

SL No	Course Code	Subjects	L	T	P	Credits
1	BS1101	Mathematics – I	3	0	0	3
2	BS1102	Mathematics – II	3	0	0	3
3	BS1108	Engineering Physics	3	0	0	3
4	ES1101	Programming for Problem Solving Using C	3	0	0	3
5	ES1103	Engineering Drawing	1	0	3	2.5
6	HS1102	English Lab	0	0	3	1.5
7	BS1109	Engineering Physics Lab	0	0	3	1.5
8	ES1102	Programming for Problem Solving Using C Lab	0	0	3	1.5
9	MC1104	Constitution of India	2	0	0	0
Total Credits			15	0	12	19

I Year – II SEMESTER

SL No	Course Code	Subjects	L	T	P	Credits
1	HS1201	English	3	0	0	3
2	BS1210	Engineering Chemistry	3	0	0	3
3	ES1204	Engineering Mechanics	3	0	0	3
4	ES1206	Basic Electrical & Electronics Engineering	3	0	0	3
5	ES1207	Computer Aided Engineering Drawing	1	0	3	2.5
6	HS1203	Communication Skills Lab	0	0	2	1
7	BS1211	Engineering Chemistry Lab	0	0	2	1.5
8	ES1208	Basic Electrical & Electronics Engineering Lab	0	0	3	1.5
9	ES1219	Workshop Practice Lab	0	0	3	1.5
10	PR1201	Engineering Exploration Project	0	0	2	1
Total Credits			13	0	15	21

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DEPARTMENT OF MECHANICAL ENGINEERING

II YEAR I SEMESTER

S. No.	Course Code	Course Title	L	T	P	Credits
1	BSC	Vector Calculus & Fourier Transforms	3	--	--	3
2	PCC-ME	Mechanics of Solids	3	--	--	3
3	PCC-ME	Material Science & Metallurgy	3	--	--	3
4	PCC-ME	Production Technology	3	--	--	3
5	PCC-ME	Thermodynamics	3	--	--	3
6	PCC-ME	Machine Drawing	1	--	3	2.5
7	PCC-Lab1	Metallurgy & Mechanics of Solids Lab	--	--	3	1.5
8	PCC-Lab2	Production Technology Lab	--	--	3	1.5
9	MC2101	Environmental Science	3	--	--	--
10	PROJ-2101	Socially Relevant Project				0.5
		Total Credits	19	--	9	21

II YEAR II SEMESTER

S.No	Course Code	Course Title	L	T	P	Credits
1	BSC	Complex Variables & Statistical Methods	3	--	--	3
2	PCC-ME	Kinematics of Machinery	3	--	--	3
3	PCC-ME	Applied Thermodynamics	3	--	--	3
4	PCC-ME	Fluid Mechanics & Hydraulic Machines	3	--	--	3
5	PCC-ME	Metal Cutting & Machine Tools	3	--	--	3
6	PCC-ME	Design of Machine Members-I	3	--	--	3
7	PCC-Lab5	Fluid Mechanics & Hydraulic Machines Lab	--	--	3	1.5
8	PCC-Lab6	Machine Tools Lab	--	--	3	1.5
9	MC2201	Essence of Indian Traditional Knowledge	2	--	--	--
		Total Credits	20	--	6	21

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DEPARTMENT OF MECHANICAL ENGINEERING
III YEAR I SEMESTER

S. No.	Course Code	Course Title	L	T	P	Credits
1	PCC-ME	Dynamics of Machinery	3	--	--	3
2	PCC-ME	Design of Machine Members-II	3	--	--	3
3	PCC-ME	Mechanical Measurements & Metrology	3	--	--	3
4	HSIMS	Managerial Economics and Financial Accountancy	3	--	--	3
5	PCC-ME	IC Engines & Gas turbines	3	--	--	3
6	PCC-Lab	Thermal Engineering Lab	--	--	3	1.5
7	PCC-Lab	Theory of Machines Lab	--	--	3	1.5
8	PCC-Lab	Mechanical Measurements & Metrology Lab	--	--	3	1.5
9	PROJ-3101	Socially Relevant Project				0.5
		Total Credits	15	--	9	20

III YEAR II SEMESTER

S. No	Course Code	Course Title	L	T	P	Credits
1	PCC-ME	Operations Research	3	--	--	3
2	PCC-ME	Heat Transfer	3	--	--	3
3	PCC-ME	CAD/CAM	3	--	--	3
4	PEC-ME1	1. Composite Materials 2. Refrigeration & Air Conditioning 3. Unconventional Machining Processes 4. Advanced Mechanics of Solids 5. MOOCS(NPTEL/Swayam)	3	--	--	3
5	PEC-ME2	1. Material Characterization 2. Tribology 3. Automobile Engineering 4. Mechatronics 5. MOOCS(NPTEL/Swayam)	3	--	--	3
6	PCC-Lab	Simulation of Mechanical Systems Lab	--	--	2	1
7	PCC-Lab	Heat Transfer Lab	--	--	3	1.5
8	PCC-Lab	CAD /CAM Lab	--	--	3	1.5
9	PROJ- ME	Summer Internship*	--	--		1
		Total Credits	15	--	9	20

*The students have to undergo a summer internship for minimum of Four weeks duration from Industries/R&D/ Govt. Organizations after B.Tech III year II-Semester and credits will be awarded in B.Tech IV year I-Semester after evaluation.

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DEPARTMENT OF MECHANICAL ENGINEERING

IV YEAR I SEMESTER

S. No.	Course Code	Course Title	L	T	P	Credits
1	HSIMS	Industrial Management	3	--	--	3
2	PCC-ME	Finite Element Methods	3	--	--	3
3	PEC-3	1. Mechanical Vibrations 2. Renewable Energy Sources 3. Production Planning & Control 4. Machine Tool Design 5. MOOCs (NPTEL/Swayam)	3	--	--	3
4	PEC-4	1. Industrial Automation and Robotics 2. Micro and Nano manufacturing 3. Power Plant Engineering 4. Optimization Techniques 5. MOOCs (NPTEL/Swayam)	3	--	--	3
5	OEC-1	OPEN ELECTIVE -I	3	--	--	3
6	PCC-ME Lab	Finite Element Simulation Lab	--	--	2	1
7	PROJ-I	Project-I	--	--	4	2
		Total Credits	15	--	6	18

OPEN ELECTIVE -I:

1. MEMS
2. Optimization Methods
3. Operations Management
4. Nano Technology
5. Finite Element Analysis

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DEPARTMENT OF MECHANICAL ENGINEERING
IV YEAR II SEMESTER (VIII SEMESTER)

S. No.	Course Code	Course Title	L	T	P	Credits
1	PEC-5	1. Additive Manufacturing 2. Gas Dynamics and Jet Propulsion 3. Product design and development 4. Reliability Engineering 5. MOOCs (NPTEL/Swayam)	3	--	--	3
2	PEC-6	1. Condition Monitoring 2. Computational Fluid Dynamics 3. Non Destructive Evaluation 4. Control Systems 5. Entrepreneurship Development	3	--	--	3
3	OEC-2	OPEN ELECTIVE -II	3	--	--	3
4	OEC-3	OPEN ELECTIVE -III	3	--	--	3
5	PROJ-II	Project-II	--	--	16	8
		Total Credits	12	--	16	20

OPEN ELECTIVE-II:

1. Green Energy Systems
2. Robotics
3. Energy Consumption and Management
4. 3D Printing Technologies
5. Mechatronics

OPEN ELECTIVE-III:

1. Total Quality Management
2. Supply Chain Management
3. Product Design & Development
4. Entrepreneurship
5. Advanced Materials

Note:

- 1) Professional Elective course (PEC) /Open Elective course (OEC) can also be completed via MOOCs (NPTEL/Swayam) Course (12 Week duration)
- 2) The list of MOOCs courses shall be approved by the chairperson of BOS.
- 3) The tutorial class can be of one hour duration as per requirements of a particular subject.

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DEPARTMENT OF MECHANICAL ENGINEERING

IV/IV B. TECH – I SEMESTER

CIRCULAR FOR PEC – 3 & PEC – 4 ELECTIVES OFFERED

Date: 05/30/2022

The following subjects are offered as a PEC – 3 & PEC – 4 for IV/IV B. TECH, Mechanical Engineering students for the academic year 2022-23, I Semester (R19). Hence all the students are instructed to choose a PEC – 3 & PEC – 4 subjects among the options in the given format, on or before 03/06/2022. The details of the syllabus are enclosed.

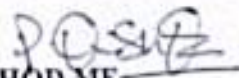
PEC - 3

1. Mechanical Vibrations
2. Renewable Energy Sources
3. Production Planning & Control
4. Machine Tool Design
5. MOOCs (NPTEL/Swayam)

PEC - 4

1. Industrial Automation and Robotics
2. Micro and Nano Manufacturing
3. Power Plant Engineering
4. Optimization Techniques
5. MOOCs (NPTEL/Swayam)

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DEPARTMENT OF MECHANICAL ENGINEERING

LIST OF ELECTIVES (MOOCS) OFFERED, CHOICE EXERCISED BY STUDENTS

Academic Year: 2022-23

Year/Semester: IV/I Section-I

S. No.	Roll No.	PEC - 3				
		Mechanical Vibrations	Renewable Energy Sources	Production Planning & Control	Machine Tool Design	MOOCS (NPTEL/Swayam)
1	19X41A0301		A. Gopal Reddy			
2	19X41A0302		Ch. Srinivas			
3	19X41A0303		D. Jantya			
4	19X41A0304					
5	19X41A0307		n. Lakshmi			
6	19X41A0308		n. S. K. Reddy			
7	19X41A0309		S. Devisankar			
8	20X45A0301		D. Anjan Kumar			
9	20X45A0302		A. Jagan			
10	20X45A0303		B. Sharan			
11	20X45A0304		D. Srikanth			
12	20X45A0305		D. Anush			
13	20X45A0306		E. Chandu			
14	20X45A0307		K. Lalitha			
15	20X45A0308		K. Srinivas			
16	20X45A0309			H. Srinivas		
17	20X45A0310		M. Karthik			
18	20X45A0311			N. Naveen Kumar		
19	20X45A0312			n. Venkatesh		
20	20X45A0313		P. Anil Kumar			
21	20X45A0314		P. Deepak			
22	20X45A0315		R. Lishan			
23	20X45A0316		T. Anwar		R. Ibrahim	
24	20X45A0317		T. Naveen			


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DEPARTMENT OF MECHANICAL ENGINEERING

LIST OF ELECTIVES (MOOCS) OFFERED, CHOICE EXERCISED BY STUDENTS

Academic Year: 2022-23

Year/Semester: IV/I Section-I

S. No.	Roll No.	PEC - 4				
		Industrial Automation and Robotics	Micro and Nano Manufacturing	Power Plant Engineering	Optimization Techniques	MOOCS (NPTEL/Swayam)
1	19X41A0301			A. Gopinath		
2	19X41A0302			P. Sai Prasad		
3	19X41A0303			D. Teerth		
4	19X41A0304					
5	19X41A0307			N. Anish		
6	19X41A0308			N. S. K. Sankar		
7	19X41A0309			S. Deviprasad		
8	20X45A0301			D. Ajay Kumar		
9	20X45A0302			A. Sathyan		
10	20X45A0303			R. Sankar		
11	20X45A0304			D. Sankar		
12	20X45A0305			A. Anish		
13	20X45A0306			E. Chandu		
14	20X45A0307			K. Vivek		
15	20X45A0308			K. Srinivas		
16	20X45A0309		M. Anish			
17	20X45A0310			H. Anish		
18	20X45A0311				N. Anish	
19	20X45A0312		N. Anish			
20	20X45A0313			P. Anish		
21	20X45A0314			P. Anish		
22	20X45A0315			P. Anish		
23	20X45A0316	R. Ibrahim		T. Anish		
24	20X45A0317			T. Anish		

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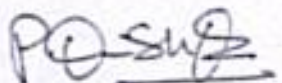
DEPARTMENT OF MECHANICAL ENGINEERING

IV/IV B. TECH – I SEMESTER

CIRCULAR

Date: 07/06/2022

This is to inform all the students of IV/IV B. TECH, Mechanical Engineering, as per decision of the Departmental Academic Committee, the **Renewable Energy Sources** subject offered as a PEC - 3 elective and **Power Plant Engineering** subject offered as a PEC - 4 elective for the academic year 2022-23, I Semester.


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DEPARTMENT OF MECHANICAL ENGINEERING

IV/IV B. TECH – II SEMESTER

CIRCULAR FOR PEC – 5 & PEC – 6 ELECTIVES OFFERED

Date: 25/10/2022

The following subjects are offered as a PEC – 5 & PEC – 6 for IV/IV B. TECH, Mechanical Engineering students for the academic year 2022-23, II Semester (R19). Hence all the students are instructed to choose a PEC – 5 & PEC – 6 subjects among the options in the given format, on or before 28/10/2022. The details of the syllabus are enclosed.

PEC - 5


1. Additive Manufacturing
2. Gas Dynamics & Jet Propulsion
3. Product Design and Development
4. Reliability Engineering
5. MOOCs (NPTEL/Swayam)

PEC - 6

1. Condition Monitoring
2. Computational Fluid Dynamics
3. Non-Destructive Evaluation
4. Control Systems
5. Entrepreneurship Development

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 Department of Mechanical Engineering



**LIST OF ELECTIVES (MOOCS) OFFERED;
 CHOICE EXERCISED BY STUDENTS**

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DEPARTMENT OF MECHANICAL ENGINEERING

LIST OF ELECTIVES (MOOCS) OFFERED; CHOICE EXERCISED BY STUDENTS

Academic Year: 2022-23

Year/Semester: IV/II Section-I

S. No.	Roll No.	PEC - 5				
		Additive Manufacturing	Gas Dynamics & Jet Propulsion	Product Design and Development	Reliability Engineering	MOOCS (NPTEL/Swayam)
1	19X41A0301	A. Gopikrishna				
2	19X41A0302	Ch. Sri Prasad				
3	19X41A0303					
4	19X41A0304					
5	19X41A0307	N. G. Anil				
6	19X41A0308	M. G. Lakshmi Reddy				
7	19X41A0309	S. Devi Prasad				
8	20X45A0301				D. Ajay Kumar	
9	20X45A0302					
10	20X45A0303					
11	20X45A0304		D. Sri Kanth			
12	20X45A0305	D. Akash				
13	20X45A0306	E. Chandu				
14	20X45A0307	K. Vivek				
15	20X45A0308	K. Sri Vinay				
16	20X45A0309	M. Manoj				
17	20X45A0310					
18	20X45A0311	N. Naveen				
19	20X45A0312	N. Naveen				
20	20X45A0313	P. Anil Kumar				
21	20X45A0314					
22	20X45A0315	R. J. Lakshmi				
23	20X45A0316	R. J. Lakshmi				
24	20X45A0317	T. Naveen				

(Signature)
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SRK INSTITUTE OF TECHNOLOGY
 Enikepadu, Vijayawada 521108
 Department of Mechanical Engineering



**LIST OF ELECTIVES (MOOCS) OFFERED;
 CHOICE EXERCISED BY STUDENTS**

SRKIT / ME / 73

DEPARTMENT OF MECHANICAL ENGINEERING

LIST OF ELECTIVES (MOOCS) OFFERED; CHOICE EXERCISED BY STUDENTS

Academic Year: 2022-23

Year/Semester: IV/II Section-I

S. No.	Roll No.	PEC - 6				
		Condition Monitoring	Computational Fluid Dynamics	Non-Destructive Evaluation	Control Systems	Entrepreneurship Development
1	19X41A0301			A. Gopikrishna		
2	19X41A0302			Ch. Sai Prasad		
3	19X41A0303					
4	19X41A0304					
5	19X41A0307					
6	19X41A0308			N. Subrahmanya		
7	19X41A0309			N. Sai Kumar		
8	20X45A0301			S. Deepthi		
9	20X45A0302			D. Ravi Kumar		
10	20X45A0303					
11	20X45A0304	D. Sri Kank				
12	20X45A0305					
13	20X45A0306	E. Chandu.		D. Akash		
14	20X45A0307	K. Vivek.				
15	20X45A0308			K. Srinivas		
16	20X45A0309			M. Harish		
17	20X45A0310					
18	20X45A0311			N. Naveen		
19	20X45A0312			N. Naveen		
20	20X45A0313			P. Anil Kumar		
21	20X45A0314					
22	20X45A0315			R. Lakshmi		
23	20X45A0316			P. Prabhakar		
24	20X45A0317			T. Naveen		

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DEPARTMENT OF MECHANICAL ENGINEERING

IV/IV B. TECH – II SEMESTER

CIRCULAR

Date: 29/10/2022

This is to inform all the students of IV/IV B. TECH, Mechanical Engineering, as per decision of the Departmental Academic Committee, the **Additive Manufacturing** subject offered as a PEC - 5 elective and **Non-Destructive Evaluation** subject offered as a PEC - 6 elective for the academic year 2022-23, II Semester.

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY: KAKINADA
KAKINADA - 533 003, Andhra Pradesh, India
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

OPEN ELECTIVES FOR ECE:

Open Elective 1:

1. DataMining
2. PowerElectronics
3. MEMS and itsapplications
4. Artificial NeuralNetworks

Open Elective 2:

1. 3D Printing
2. Block chainTechnology
3. Cyber Security &Cryptography

OPEN ELECTIVES OFFERED BY ECE:

- OE 1 Principles of communication
OE 2 Embedded Systems

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY: KAKINADA
KAKINADA - 533 003, Andhra Pradesh, India
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

COURSE STRUCTURE-R19

Open Electives offered by EEE Department for Other Branches(Except for EEE Branch)

Open Elective-I:

1. Renewable Energy Sources
2. Essentials of Analog and Digital Electronics
3. Electrical Estimation and Costing
4. Power Electronic Devices & Circuits
5. Fundamentals of Electrical Machines

Open Elective-II:

1. Measurements & Instrumentation
2. **Fundamentals of Utilization of Electrical Energy**
3. Concepts of Power System Engineering
4. Basics of Control Systems
5. Energy Audit

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY: KAKINADA
KAKINADA – 533 003, Andhra Pradesh, India

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Open Electives to be offered by CSE for Other Branches:

Open Elective I: <ol style="list-style-type: none"> 1. Data Structures 2. Java Programming 3. Data Base Management Systems 4. C++ Programming 5. Operating Systems 6. Internet of Things 	Open Elective II: <ol style="list-style-type: none"> 1. Problem Solving using Python 2. Web Technologies 3. Machine Learning 4. Distributed Computing 5. AI Tools & Techniques 6. Data Science
Open Elective III: <ol style="list-style-type: none"> 1. Big Data 2. Image Processing 3. Mobile Application Development 4. Cyber Security 5. Deep Learning 6. Blockchain Technologies 	

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DEPARTMENT OF MECHANICAL ENGINEERING

IV/IV B. TECH – I SEMESTER

CIRCULAR FOR OPEN ELECTIVE - 1 OFFERED

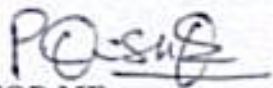
Date: 05/30/2022

The following subjects are offered as an Open Elective - 1 for IV/IV B. TECH, Mechanical Engineering students for the academic year 2022-23, I Semester (R19). Each subject has been offered by various departments. Hence all the students are instructed to choose an Open Elective - 1 subject among the options in the given format, on or before 03/06/2022. The details of the syllabus are enclosed.

OPEN ELECTIVE – 1

1. 3D Printing (ECE)
2. Fundamentals of Utilization of Electrical Energy (EEE)
3. Machine Learning (CSE)

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DEPARTMENT OF MECHANICAL ENGINEERING

LIST OF ELECTIVES (MOOCS) OFFERED; CHOICE EXERCISED BY STUDENTS

Academic Year: 2022-23

Year/Semester: IV/I Section-I

S. No.	Roll No.	OPEN ELECTIVE - I		
		3D Printing (ECE)	Fundamentals of Utilization of Electrical Energy (EEE)	Machine Learning (CSE)
1	19X41A0301		A. Gopikrishna	
2	19X41A0302		Ch. Sai Parvath	
3	19X41A0303		D. Joty	
4	19X41A0304	←	DETAILED	→
5	19X41A0307	M. G. Anand		
6	19X41A0308		M. S. K. Reddy	
7	19X41A0309		S. Devi Prasad	
8	20X45A0301		D. Ajay Kumar	
9	20X45A0302		A. Tejaswini	
10	20X45A0303		B. Sharmila	
11	20X45A0304		D. Pratik	
12	20X45A0305		D. Akash	
13	20X45A0306		E. Chandu	
14	20X45A0307		K. Vivek	
15	20X45A0308		K. Srinivas	
16	20X45A0309		M. Anandharaj	
17	20X45A0310		M. Karan (an)	
18	20X45A0311		N. Naveen Kumar	
19	20X45A0312		N. Venkatesh	
20	20X45A0313		P. Anil Kumar	
21	20X45A0314	P. Durgam - 21/06		
22	20X45A0315		R. N. Lakshmi	
23	20X45A0316		R. Ibrahim	
24	20X45A0317		T. Maveen	

P. S. S. S.
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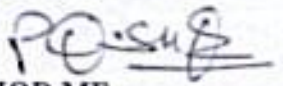
DEPARTMENT OF MECHANICAL ENGINEERING

IV/IV B. TECH - I SEMESTER


CIRCULAR

Date: 07/06/2022

This is to inform all the students of IV/IV B. TECH, Mechanical Engineering, as per decision of the Departmental Academic Committee, the **Fundamentals of Utilization of Electrical Energy** subject will be offered by the EEE Department as an OE - 1 elective for the academic year 2022-23, I Semester.


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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY: KAKINADA
KAKINADA - 533 003, Andhra Pradesh, India

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

OPEN ELECTIVES FOR ECE:

Open Elective 1:

1. DataMining
2. PowerElectronics
3. MEMS and itsapplications
4. Artificial NeuralNetworks

Open Elective 2:

1. 3D Printing
2. Block chainTechnology
3. Cyber Security &Cryptography

OPEN ELECTIVES OFFERED BY ECE:

- OE 1 Principles of communication
OE 2 Embedded Systems

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY: KAKINADA
KAKINADA – 533 003, Andhra Pradesh, India

DEPARTMENT OF CIVIL ENGINEERING

Open Electives	Professional Elective-I	Professional Elective-II	Professional Elective-III	Professional Elective-IV	Professional Elective-V
a) Disaster Management	a) Repair & Rehabilitation of Buildings	a) Pre-stressed Concrete	a) Bridge Engineering	a) Finite Element Methods	a) Advanced Structural Analysis
b) Environmental Pollution & Control	b) Environmental Impact Assessment	b) Watershed Management	b) Industrial Waste Water Treatment	b) Design & Drawing of Irrigation Structures	b) Urban Hydrology
c) Elements of Civil Engineering	c) Reinforced Soil Structures	c) Advanced Foundation Engineering	c) Earth & Rock-fill Dams	c) Soil Dynamics and Machine Foundations	c) Ground Improvement Techniques
d) Green Technology	d) Traffic Engineering	d) Urban Transportation Planning	d) Intelligent Transportation Systems	d) Road Safety Engineering	d) Pavement Management Systems
e) Smart Cities	e) Construction Technology & Management	e) Architecture Town Planning	e) Building Services	e) Disaster Management & Mitigation	e) Low-cost Housing
f) Project Management				f) SWAYAM / NPTEL / MOOCS COURSES (12 weeks duration)	f) SWAYAM / NPTEL / MOOCS COURSES (12 weeks duration)
g) Traffic Safety					
h) Geo-Spatial Technologies					
i) Waste Water Treatment					


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DEPARTMENT OF INFORMATION TECHNOLOGY

IV Year – II SEMESTER

S.No	Course Code	Courses	L	T	P	Credits
1	HS4201	Management and Organizational Behavior	3	0	0	3
2	OE4201	Open Elective- III (Inter Disciplinary)	3	0	0	3
3	PE4201	Professional Elective- V 1. Deep Learning 2. Quantum Computing 3. Blockchain Technologies 4. Software Project Management 5. Network Programming	3	0	0	3
4	PR4201	Project- II	0	0	0	7
Total			9	0	0	16

Open Electives to be offered by IT for Other Branches:

<p>Open Elective I:</p> <ol style="list-style-type: none"> 1. Data Structures 2. Java Programming 3. Data Base Management Systems 4. C++ Programming 5. Operating Systems 6. Internet of Things 	<p>Open Elective II:</p> <ol style="list-style-type: none"> 1. Problem Solving using Python 2. Web Technologies 3. Machine Learning 4. Distributed Computing 5. AI Tools & Techniques 6. Data Science
<p>Open Elective III:</p> <ol style="list-style-type: none"> 1. Big Data 2. Image Processing 3. Mobile Application Development 4. Cyber Security 5. Deep Learning 6. Block Chain Technologies 	

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY: KAKINADA
KAKINADA – 533 003, Andhra Pradesh, India

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Open Electives to be offered by CSE for Other Branches:

<p>Open Elective I:</p> <ol style="list-style-type: none"> 1. Data Structures 2. Java Programming 3. Data Base Management Systems 4. C++ Programming 5. Operating Systems 6. Internet of Things 	<p>Open Elective II:</p> <ol style="list-style-type: none"> 1. Problem Solving using Python 2. Web Technologies 3. Machine Learning 4. Distributed Computing 5. AI Tools & Techniques 6. Data Science
<p>Open Elective III:</p> <ol style="list-style-type: none"> 1. Big Data 2. Image Processing 3. Mobile Application Development 4. Cyber Security 5. Deep Learning 6. Blockchain Technologies 	

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY: KAKINADA
KAKINADA - 533 003, Andhra Pradesh, India
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

COURSE STRUCTURE-R19

Open Electives offered by EEE Department for Other Branches(Except for EEE Branch)

Open Elective-I:

1. Renewable Energy Sources
2. Essentials of Analog and Digital Electronics
3. Electrical Estimation and Costing
4. Power Electronic Devices & Circuits
5. Fundamentals of Electrical Machines

Open Elective-II:

1. Measurements & Instrumentation
2. Fundamentals of Utilization of Electrical Energy
3. **Concepts of Power System Engineering**
4. Basics of Control Systems
5. Energy Audit

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DEPARTMENT OF MECHANICAL ENGINEERING

IV/IV B. TECH – II SEMESTER

CIRCULAR FOR OPEN ELECTIVE – II & III OFFERED

Date: 25/10/2022

The following subjects are offered as an Open Elective - II for IV/IV B. TECH, Mechanical Engineering students for the academic year 2022-23, II Semester (R19). Each subject has been offered by various departments. Hence all the students are instructed to choose an Open Elective – II & III subjects among the options in the given format, on or before 28/10/2022. The details of the syllabus are enclosed.

OPEN ELECTIVE – II

1. Embedded Systems (ECE)
2. Waste Water Treatment (Civil Engineering)
3. Mobile Application Development (IT)

OPEN ELECTIVE – III

1. Image Processing (CSE)
2. Concepts of Power System Engineering (EEE)
3. Embedded Systems (ECE)

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 Department of Mechanical Engineering



SRKIT / ME / 73

**LIST OF ELECTIVES (MOOCS) OFFERED;
 CHOICE EXERCISED BY STUDENTS**

DEPARTMENT OF MECHANICAL ENGINEERING

LIST OF ELECTIVES (MOOCS) OFFERED; CHOICE EXERCISED BY STUDENTS

Academic Year: 2022-23

Year/Semester: IV/II Section-I

S. No.	Roll No.	OPEN ELECTIVE - II		
		Embedded Systems (ECE)	Waste Water Treatment (Civil)	Mobile Application Development (IT)
1	19X41A0301		A. Guruprath	
2	19X41A0302		Ch. Saikumar	
3	19X41A0303			
4	19X41A0304			
5	19X41A0307			
6	19X41A0308		M. K. S. Reddy	
7	19X41A0309		S. Srinivas	
8	20X45A0301		D. Ajay Kumar	
9	20X45A0302			
10	20X45A0303			
11	20X45A0304	D. Sathish		
12	20X45A0305		D. Akash	
13	20X45A0306		E. Chandu	
14	20X45A0307		K. Vivek	
15	20X45A0308		K. Srinivas	
16	20X45A0309		H. Anish	
17	20X45A0310			
18	20X45A0311		N. Abhinav	
19	20X45A0312		M. Venkatesh	
20	20X45A0313		P. Anil Kumar	
21	20X45A0314			
22	20X45A0315		R. Lakshmi	
23	20X45A0316		R. T. Brahmin	
24	20X45A0317		T. Naveen	

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SRK INSTITUTE OF TECHNOLOGY
 Enikepadu, Vijayawada 521108
 Department of Mechanical Engineering



**LIST OF ELECTIVES (MOOCS) OFFERED;
 CHOICE EXERCISED BY STUDENTS**

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DEPARTMENT OF MECHANICAL ENGINEERING

LIST OF ELECTIVES (MOOCS) OFFERED; CHOICE EXERCISED BY STUDENTS

Academic Year: 2022-23

Year/Semester: IV/II Section-I

S. No.	Roll No.	OPEN ELECTIVE - III		
		Image Processing (CSE)	Concepts of Power System Engineering (EEE)	Embedded Systems (ECE)
1	19X41A0301	A. Gopi Reddy		
2	19X41A0302	M. Sai Bharani		
3	19X41A0303			
4	19X41A0304			
5	19X41A0307	N. Ganesh		
6	19X41A0308	A. S. Karan Adhikari		
7	19X41A0309	S. Dev. Prasad		
8	20X45A0301	D. Arjun Kumar		
9	20X45A0302			
10	20X45A0303			
11	20X45A0304	D. Srikanth		
12	20X45A0305		D. Akash	
13	20X45A0306	F. Chandu		
14	20X45A0307	K. Vivek		
15	20X45A0308	K. Satish		
16	20X45A0309	M. Anand		
17	20X45A0310			
18	20X45A0311			N. Naveen
19	20X45A0312	N. Vamsi		
20	20X45A0313	P. Anand Kumar		
21	20X45A0314			
22	20X45A0315	R. Anish		
23	20X45A0316	R. Ibrahim		
24	20X45A0317	T. Naveen		


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DEPARTMENT OF MECHANICAL ENGINEERING

IV/IV B. TECH – II SEMESTER

CIRCULAR

Date: 29/10/2022

This is to inform all the students of IV/IV B. TECH, Mechanical Engineering, as per decision of the Departmental Academic Committee, the **Waste Water Treatment** subject will be offered by the Civil Engineering Department as an open elective – 2 and **Image Processing** subject will be offered by CSE as an open elective – 3 for the academic year 2022-23, II Semester.


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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY: KAKINADA
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

COURSE STRUCTURE AND SYLLABUS

For

B. TECH ELECTRONICS AND COMMUNICATION ENGINEERING

(Applicable for batches admitted from 2019-2020)



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY: KAKINADA

KAKINADA - 533 003, Andhra Pradesh, India

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY: KAKINADA
KAKINADA - 533 003, Andhra Pradesh, India
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

I Year - I SEMESTER

Sl. No	Course Code	Subjects	L	T	P	Credits
1	HS1101	English	3	0	0	3
2	BS1101	Mathematics - I	3	0	0	3
3	BS1106	Applied Chemistry	3	0	0	3
4	ES1101	Programming for Problem Solving Using C	3	0	0	3
5	ES1103	Engineering Drawing	1	0	3	2.5
6	HS1102	English Lab	0	0	3	1.5
7	BS1107	Applied Chemistry Lab	0	0	3	1.5
8	ES1102	Programming for Problem Solving Using C Lab	0	0	3	1.5
9	MC1101	Environmental Science	3	0	0	0
Total Credits			16	0	12	19

I Year - II SEMESTER

Sl. No	Course Code	Subjects	L	T	P	Credits
1	BS1202	Mathematics - II	3	0	0	3
2	BS1203	Mathematics - III	3	0	0	3
3	BS1204	Applied Physics	3	0	0	3
4	ES1209	Network Analysis	3	0	0	3
5	ES1211	Basic Electrical Engineering	3	0	0	3
6	ES1215	Electronic workshop	0	0	2	1
7	ES1208	Basic Electrical Engineering Lab	0	0	3	1.5
8	BS1205	Applied Physics Lab	0	0	3	1.5
9	HS1203	Communication Skills Lab	0	0	2	1
10	PR1201	Engineering Exploration Project	0	0	2	1
			15	0	12	21

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KAKINADA – 533 003, Andhra Pradesh, India
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

II Year – I Semester

S. No.	Course	Category	L	T	P	Credits
1	Electronic Devices and Circuits	PC	3	0	0	3
2	Switching Theory and Logic Design	PC	3	0	0	3
3	Signals and Systems	PC	3	0	0	3
4	Random Variables and Stochastic Processes	PC	3	0	0	3
5	Object Oriented Programming through Java	ES	3	0	0	3
6	Managerial Economics & Financial Analysis	HS	3	0	0	3
7	Electronic Devices and Circuits - Lab	LC	0	0	3	1.5
8	Switching Theory and Logic Design - Lab	LC	0	0	3	1.5
9	Constitution of India	MC	3	0	0	0
			Sub-Total			21

II Year – II Semester

S. No.	Course	Category	L	T	P	Credits
1	Electronic Circuit Analysis	PC	3	0	0	3
2	Linear Control Systems	PC	3	0	0	3
3	Electromagnetic Waves and Transmission Lines	PC	3	0	0	3
4	Analog Communications	PC	3	0	0	3
5	Computer Architecture and Organization	ES	3	0	0	3
6	Management and Organizational Behavior	HS	3	0	0	3
7	Electronic Circuit Analysis - Lab	LC	0	0	3	1.5
8	Analog Communications - Lab	LC	0	0	3	1.5
			Sub-Total			21

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

III Year – I Semester

S. No.	Course	Category	L	T	P	Credits
1	Linear Integrated Circuits and Applications	PC	3	0	0	3
2	Microprocessor and Microcontrollers	PC	3	0	0	3
3	Digital Communications	PC	3	0	0	3
4	Electronic Measurements & Instrumentation	PC	3	0	0	3
5	Professional Elective (PE 1)	PE	3	0	0	3
6	Linear Integrated Circuits and Applications - Lab	LC	0	0	3	1.5
7	Digital Communications Lab	LC	0	0	3	1.5
8	Microprocessor and Microcontrollers - Lab	LC	0	0	3	1.5
9	Mini Project with Hardware Development	PR	0	0	3	1.5
10	Essence of Indian Traditional Knowledge	MC	3	0	0	0
Sub-Total						21

III Year – IISemester

S. No.	Course	Category	L	T	P	Credits
1	Wired and Wireless Transmission Devices	PC	3	0	0	3
2	VLSI Design	PC	3	0	0	3
3	Digital Signal Processing	PC	3	0	0	3
4	Professional Elective (PE2)	PE	3	0	0	3
5	Open Elective (OE1)	OE	3	0	0	3
6	Internet of Things	PC	3	0	0	3
7	VLSI Lab	LC	0	0	3	1.5
8	Digital Signal Processing Lab	LC	0	0	3	1.5
9	Intellectual Property Rights (IPR) & Patents	MC	3	0	0	0
Sub-Total						21


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IV Year – I Semester

S. No.	Course	Category	L	T	P	Credits
1	Microwave and Optical Communication Engineering	PC	3	0	0	3
2	Data Communications & Computer networks	PC	3	0	0	3
3	Digital Image and Video Processing	PC	3	0	0	3
4	Professional Elective (PE3)	PE	3	0	0	3
5	Professional Elective (PE4)	PE	3	0	0	3
6	Internet of Things Lab	LC	0	0	3	1.5
7	Microwave and Optical Communication Engineering LAB	LC	0	0	3	1.5
8	Project - Part I	PR	0	0	6	3
					Sub-Total	21

IV Year – II Semester

S. No.	Course	Category	L	T	P	Credits
1	Professional Elective (PE5)	PE	3	0	0	3
2	Open Elective (OE2)	OE	3	0	0	3
3	Project - Part II	PR	0	0	18	9
					Sub-Total	15
					Total	160

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

PROFESSIONAL ELECTIVES 1:

1. Information Theory & Coding
2. Digital System Design using HDL
3. Data structures and Algorithms
4. Soft computing techniques and Python programming
5. Simulation & Mathematical Modeling

PROFESSIONAL ELECTIVES 2:

1. Cellular & Mobile Communication
2. Digital IC Design
3. Business Intelligence & Analytics
4. Pattern Recognition
5. Robotics and Automation

PROFESSIONAL ELECTIVES 3:

1. Communication Standards and Protocols
2. Analog IC Design
3. Smart Sensors
4. Advanced Digital Signal Processing
5. Augmented Reality

PROFESSIONAL ELECTIVES 4:

1. Software Radio
2. Low power VLSI Design
3. Embedded Systems
4. DSP processors and Architectures
5. Multi Media Communication

PROFESSIONAL ELECTIVES 5:

1. Wireless Communication
2. VLSI Testing & Testability
3. Machine Learning & Artificial Intelligence
4. Speech Processing
5. Industrial Internet of Things

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**DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ENGINEERING**

SRKIT / ECE / 73

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ELECTIVES OFFERED

The following Elective Subjects are offered for IV/IV B.TECH, Electronics and Communication Engineering students for the academic year 2022-23 II Semester. Please exercise the elective options in the format given.

LIST OF ELECTIVES

PROFESSIONAL ELECTIVE – V

1. Wireless Communication
2. VLSI Testing & Testability
3. Machine Learning & Artificial Intelligence
4. Speech Processing
5. Industrial Internet of Things

OPEN ELECTIVE 2:

1. 3D Printing
2. Block chain Technology
3. Cyber Security & Cryptography


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 Department of Electronics and Communication
 Engineering



**LIST OF ELECTIVES (MOOCS) OFFERED,
 CHOICE EXERCISED BY STUDENTS**

SRKIT / ECE / 73

Academic Year: 2022-23


Section-A

Year / Semester: IV/II

S.N	ROLL NO	NAME OF THE STUDENT	PROFESSIONAL ELECTIVE 5					OPEN ELECTIVE 2			Signature of the Student
			Wireless Communication	VLSI Testing & Testability	ML & AI	Speech Processing	Industrial IOT	3D Printing	Block chain Technology	Cyber Security & Cryptography	
1	19X41A0401	A MURALI MOHAN	✓							✓	A Murali Mohan
2	19X41A0402	A DOONDI BALAJI	✓							✓	A Doondi Balaji
3	19X41A0403	ANAMDASU BHAVANA	✓							✓	Anamdasu Bhavana
4	19X41A0404	ARUNA JYOTHI PRASADAM	✓							✓	Aruna
5	19X41A0405	A SUNITH VARDHAN	✓							✓	A Sunith
6	19X41A0406	BAGADI ABHILASH	✓							✓	B Abhilash
7	19X41A0407	BAPATLA ABHINAYA	✓							✓	B Abhinaya
8	19X41A0408	BUGATHA RAJANI	✓							✓	B Rajani
9	19X41A0409	CH RAGHUNADH REDDY	✓							✓	Ch. Raghunadh
10	19X41A0410	CH V NAGA V PRAVEEN	✓							✓	Ch. V. Praveen
11	19X41A0411	CH HEMA MOULIKA	✓							✓	Ch. Hema
12	19X41A0412	CH SUDHARSAN REDDY	✓							✓	Ch. Sudharsan
13	19X41A0413	D BALA SUBRAHMANYAM	✓							✓	D Bala
14	19X41A0414	DEVESETTI BALA DURGA RAO	✓							✓	D Durga Rao
15	19X41A0415	DEVESETTY JANARDHAN	✓							✓	D Janardhan
16	19X41A0416	GADDAM NARASIMHA REDDY	✓							✓	G Narasimha
17	19X41A0417	G KUSUMA LAKSHMI	✓							✓	G Kusuma
18	19X41A0418	G MANIKANTA SAI KIRAN	✓							✓	G Manikanta
19	19X41A0419	GORLE RAJESH	✓							✓	G. Rajesh
20	19X41A0420	GUJJULA LAKSHMI SAI	✓							✓	G Sai
21	19X41A0421	K VISHNU PRASANNA	✓							✓	K. Vishnu
22	19X41A0422	K SRINIVASA REDDY	✓							✓	K. Srinivasa
23	19X41A0423	KOLLI RAM KUMAR	✓							✓	K. Ram Kumar
24	19X41A0424	K LIKHITHA	✓							✓	K. Likhitha

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25	19X41A0425	K BABY SAILATHA	✓						✓	Sailatha
26	19X41A0426	LINGUTLA GOWTHAMI							✓	L.Gowthami
27	19X41A0428	M KRISHNA VAMSI	✓						✓	M.K.Dani
28	19X41A0429	MD KHAIRUNNISA	✓						✓	MD Khairun
29	19X41A0431	M PAVAN SURYA KUMAR	✓						✓	M.P.Surya Kumar
30	19X41A0432	NADAPANA SAIKUMAR	✓						✓	N.Saikumar
31	19X41A0433	N MUKUNDA PRIYA	✓						✓	Priya
32	19X41A0434	N JESWITHA	✓						✓	Jeswitha
33	19X41A0435	NETHI MAHARSHI	✓						✓	Maharshi
34	19X41A0438	PAVANI POLAVARAPU	✓						✓	Pavani
35	19X41A0439	PENDI HARI SAI	✓						✓	Hari Sai
36	19X41A0440	PULUGUJU GANESH	✓						✓	Ganesh
37	19X41A0441	P SRI LAKSHMINADH	✓						✓	Sri
38	19X41A0442	S SREENTVASA KUMAR	✓						✓	Srinu
39	19X41A0443	S KARTHIK	✓						✓	Karthik
40	19X41A0445	S VENKATA VIGNESH	✓						✓	S.Vignesh
41	19X41A0446	SINGAMSETTY SWATHI	✓						✓	S.Swathi
42	19X41A0447	SWARNA BHARGAVI	✓						✓	S.Bhargavi
43	19X41A0448	SYED AFZAL	✓						✓	Afzal
44	19X41A0449	TANUBUDDI RENUKA	✓						✓	T.Renuka
45	19X41A0450	U VINEELA SRI	✓						✓	U.Vineela Sri
46	19X41A0451	V KIRAN KUMAR	✓						✓	V.Kiran Kumar
47	19X41A0452	VENNA SAI KUMAR	✓						✓	V.Saikumar
48	19X41A0453	YARASURI USHASWINI	✓						✓	Y.Ushaswini
49	20X45A0401	A VENKATA MADHURI	✓						✓	A.V.Madhuri
50	20X45A0402	A PARDHASARADHI	✓						✓	A.Pardhasaradhi
51	20X45A0403	G LAKSHMI NARAYANA	✓						✓	G.Lakshmi Narayana
52	20X45A0404	GOGINENI GAYATHRI	✓						✓	G.Gayathri
53	20X45A0405	G GNANESWARI	✓						✓	G.Gnaneswari
54	20X45A0406	G VENKATA SAI BALAJI	✓						✓	G.V.Sai Balaji
55	20X45A0407	JANGAM CHINNI	✓						✓	J.Chinni
56	20X45A0408	J SRI CHANDANA DEVI	✓						✓	J.Sri Chandana Devi
57	18X41A0438	PANDI JOHNSON	✓						✓	


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 HOD/Date
 PRINCIPAL 1/12/22
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**LIST OF ELECTIVES (MOOCS) OFFERED,
 CHOICE EXERCISED BY STUDENTS**

SRKIT / ECE / 73

Academic Year: 2022-23

Section-B


Year / Semester: IV/II

S. NO	ROLL NO	NAME OF THE STUDENT	PROFESSIONAL ELECTIVE 5					OPEN ELECTIVE 2			Signature of the Student
			Wireless Communication	VLSI Testing & Testability	ML & AI	Speech Processing	Industrial IOT	3D Printing	Block chain Technology	Cyber Security & Cryptography	
1	19X41A0454	A ANU SAI SURESH	✓							✓	A Anusuresh
2	19X41A0455	ARANGI ASHOK	✓							✓	A Ashok
3	19X41A0456	A RAMANI REDDY	✓							✓	A.R.Reddy
4	19X41A0457	BANDI DEEKSHITHA	✓							✓	B Deekshitha
5	19X41A0458	B MADHUSUDHAN REDDY	✓							✓	B.madhusudhan
6	19X41A0460	BOMBI VANI	✓							✓	B.vani
7	19X41A0461	CHIAPPI SAI VANI	✓							✓	Ch.saiVani
8	19X41A0463	DASARI SWATHEE	✓							✓	D.Swathee
9	19X41A0467	GOTATI VARUN TEJA	✓							✓	G. Teja
10	19X41A0468	GUMPE NAVEEN	✓							✓	G.naveen
11	19X41A0469	M YASWANTHRAJ	✓							✓	M.yaswanthraj
12	19X41A0470	INDRAGANTI MANOHAR	✓							✓	I.ManoHar
13	19X41A0471	JANAKI RAM Y	✓							✓	J.Janaki Ram
14	19X41A0472	J RESHMA SAI SRI	✓							✓	J.Reshma Sai Sri
15	19X41A0473	Y SRAVANI NAGA SAI	✓							✓	Y.sravani naga Sai
16	19X41A0474	K GERI SAI PRAKASH	✓							✓	K.geri
17	19X41A0475	K VENKATA SAI KRISHNA	✓							✓	K.Venka Sai Krishna
18	19X41A0476	KODE AJAY KUMAR	✓							✓	K.Ajaykumar
19	19X41A0477	KOLLA HEMA HASANTHI	✓							✓	K.Hemahanthi
20	19X41A0478	L TEJA ARUN KUMAR	✓							✓	L.Teja
21	19X41A0479	M DNESH REDDY	✓							✓	M.Dinesh
22	19X41A0480	MOHAMMAD AFROZ	✓							✓	MD Afroz

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23	19X41A0482	MUCHU NAGA TEJA	✓						✓	M. Nagaraja
24	19X41A0483	N JYOTHSNA MOUNIKA	✓						✓	N. Mounika
25	19X41A0484	NAGULLA KARTHIK	✓						✓	N. Mounika Karthik N
26	19X41A0485	N MOUNIKA	✓						✓	N. Mounika
27	19X41A0486	NANDURI VENU GOPAL	✓						✓	N. Venkatesh
28	19X41A0488	P VENKATA SAI SUDEEPTHI	✓						✓	P. Sudeepthi
29	19X41A0489	PALAGANI YOGESWAR	✓						✓	P. Yogeswar
30	19X41A0490	P VENKATA SAI VINITH	✓						✓	P. Vinith
31	19X41A0491	PASUPULETI SAIBABU	✓						✓	P. Saibabu
32	19X41A0492	P B V DURGA PRASAD	✓						✓	P. Durga Prasad
33	19X41A0493	PENUMAKA RAJITHA	✓						✓	P. Rajitha
34	19X41A0495	SHAJE UNNAS	✓						✓	S.K. Unnas
35	19X41A0497	TCHAITANYA SINGOHA	✓						✓	T. Singooha
36	19X41A0499	U SAMANIK	✓						✓	U. Samanika
37	19X41A04A0	V NAGA VENKATA SATYA RAKESH	✓						✓	V. Rakesh
38	19X41A04A1	V CHAITANYA KUMAR	✓						✓	V. Chaitanya
39	19X41A04A2	VULAPU POOJITHA	✓						✓	V. Poojitha
40	19X41A04A3	VULLI DHANUJA	✓						✓	V. Dhanuja
41	19X41A04A4	Y PRASANTHI REDDY	✓						✓	Y. Pranshitha
42	20X45A0409	KODURI PRAMEELA	✓						✓	K. Prameela
43	20X45A0410	KONDURI SAI RAMYA	✓						✓	K. Sai Ramya
44	20X45A0411	NAKKA SAILAJA	✓						✓	N. Sailaja
45	20X45A0412	P SRIKANTH	✓						✓	P. Srikanth
46	20X45A0414	SK TASNEEM FIRDOUS	✓						✓	S.K. Tasneem
47	20X45A0415	SIDDANI KARTHIK	✓						✓	S. Karthik
48	20X45A0416	SYED NAVREEN	✓						✓	Sy. Navreen
49	20X45A0417	V GOWTHAM	✓						✓	V. Gowtham
50	20X45A0418	G SAI KRISHNA	✓						✓	G. Saikrishna
51	20X45A0419	E SAI PREETHAM	✓						✓	E. Saipreetham


 S. Sri Gowri
 HOD/Date
 11/2/22

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KAKINADA – 533 003, Andhra Pradesh, India

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

COURSE STRUCTURE AND SYLLABUS

For UG – R20

B. TECH - ELECTRONICS AND COMMUNICATION ENGINEERING

(Applicable for batches admitted from 2020-2021)



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

COURSE STRUCTURE

I Year - I SEMESTER

S. No.	Category	Subjects	L	T	P	Credits
1	HS	Communicative English	3	0	0	3
2	BS	Mathematics -I(Calculus)	3	0	0	3
3	BS	Applied Chemistry	3	0	0	3
4	ES	Programming for Problem Solving Using C	3	0	0	3
5	BS	Engineering Drawing	2	0	2	3
6	LC	English Communication Skills Laboratory	0	0	3	1.5
7	LC	Applied Chemistry Lab	0	0	3	1.5
8	LC	Programming for Problem Solving Using C Lab	0	0	3	1.5
Total Credits						19.5

I Year - II SEMESTER

S. No	Category	Subjects	L	T	P	Credits
1	BS	Mathematics -II (Linear Algebra and Numerical Methods)	3	0	0	3
2	BS	Applied Physics	3	0	0	3
3	ES	Object Oriented Programming through Java	2	0	2	3
4	ES	Network Analysis	3	0	0	3
5	ES	Basic Electrical Engineering	3	0	0	3
6	LC	Electronic workshop Lab	0	0	3	1.5
7	LC	Basic Electrical Engineering Lab	0	0	3	1.5
8	LC	Applied Physics Lab	0	0	3	1.5
9	MC	Environmental Science	3	0	0	0.0
Total Credits						19.5

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**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY:: KAKINADA**
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**II Year –I Semester**

S. No	Category	Name of the Subject	L	T	P	Credits
1	PC	Electronic Devices and Circuits	3	1	0	3
2	PC	Switching Theory and Logic Design	3	1	0	3
3	PC	Signals and Systems	3	1	0	3
4	BS	Mathematics-III (Transforms and Vector Calculus)	3	1	0	3
5	BS	Random Variables and Stochastic Processes	3	1	0	3
6	LC	OOPS through Java Lab	0	0	2	1.5
7	LC	Electronic Devices and Circuits -Lab	0	0	2	1.5
8	LC	Switching Theory and Logic Design-Lab	0	0	2	1.5
9	SC	Python Programming	0	0	4	2
Total Credits						21.5

II Year – II Semester

S. No	Category	Name of the subject	L	T	P	Credits
1	PC	Electronic Circuit Analysis	3	1	0	3
2	PC	Digital IC Design	3	1	0	3
3	PC	Analog Communications	3	0	0	3
4	ES	Linear control Systems	3	1	0	3
5	HS	Management and Organizational Behavior	3	0	0	3
6	LC	Electronic Circuit Analysis Lab	0	0	3	1.5
7	LC	Analog Communications Lab	0	0	3	1.5
8	LC	Digital IC Design Lab	0	0	3	1.5
9	SC	Soft Skills	0	0	4	2
10	MC	Constitution of India	3	0	0	0
Total Credits						21.5
Honors/Minor courses (The hours distribution can be 3-0-2 or 3-1-0 also)						4



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

III Year - I Semester

S. No	Category	Name of the subject	L	T	P	Credits
1	PC	Analog ICs and Applications	3	0	0	3
2	PC	Electromagnetic Waves and Transmission Lines	3	0	0	3
3	PC	Digital Communications	3	0	0	3
4	OE1	Open Elective Course/Job oriented elective-1	2	0	2	3
5	PE1	Professional Elective courses -1	3	0	0	3
6	LC	Analog ICs and Applications LAB	0	0	3	1.5
7	LC	Digital Communications Lab	0	0	3	1.5
8	SC	Data Structures using Java Lab	0	0	4	2
9	MC	Indian Traditional Knowledge	2	0	0	0
Summer Internship 2 Months (Mandatory) after second year (to be evaluated during V semester)			0	0	0	1.5
Total credits						21.5
Honors/Minor courses (The hours distribution can be 3-0-2 or 3-1-0 also)						4

PE1:

1. Antenna and Wave Propagation
2. Electronic Measurements and Instrumentation
3. Computer Architecture & Organization

OE1:

Candidate should select the subject from list of subjects offered by other departments

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

III Year –II Semester

S. No	Category	Name of the subject	L	T	P	Credits
1	PC	Microprocessor and Microcontrollers	3	1	0	3
2	PC	VLSI Design	3	0	0	3
3	PC	Digital Signal Processing	3	0	0	3
4	PE2	Professional Elective courses - 2	3	0	0	3
5	OE 2	Open Elective Course/Job oriented elective -2	2	0	2	3
6	LC	Microprocessor and Microcontrollers - Lab	0	0	3	1.5
7	LC	VLSI Design Lab	0	0	3	1.5
8	LC	Digital Signal Processing Lab	0	0	3	1.5
9	SC	ARM based/ Aurdino based Programming	1	0	2	2
10	MC	Research Methodology	2	0	0	0
Total credits						21.5
Honors/Minor courses (The hours distribution can be 3-0-2 or 3-1-0 also)						4

Industrial/Research Internship (Mandatory) 2 Months during summer vacation

PE2:

1. Microwave Engineering
2. Mobile & Cellular Communication
3. Embedded Systems
4. CMOS Analog IC Design

OE2:

Candidate should select the subject from list of subjects offered by other departments

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY:: KAKINADA
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
IV Year -I Semester

S. No	Category	Name of the subject	L	T	P	Credits
1	PE	Professional Elective courses -3	3	0	0	3
2	PE	Professional Elective courses -4	3	0	0	3
3	PE	Professional Elective courses -5	3	0	0	3
4	OE	Open Elective Courses/ Job oriented elective -3	2	0	2	3
5	OE	Open Elective Courses/ Job oriented elective -4	2	0	2	3
6	HS	*Humanities and Social Science Elective	3	0	0	3
7	SC	Designer tools (HFSS, Microwave Studio CST, Cadence Virtuoso, Synopsys, Mentor Graphics, Xilinx.)	1	0	2	2
Industrial/Research Internship 2 Months (Mandatory) after third year (to be evaluated during VII semester)			0	0	0	3
Total credits						23
Honors/Minor courses (The hours distribution can be 3-0-2 or 3-1-0 also)						4

PE3: 1. Optical Communication 2. Digital Image Processing 3. Low Power VLSI Design	PE5: 1. Radar engineering 2. Pattern recognition & Machine Learning 3. Internet of Things
PE4: 1. Satellite Communications 2. Soft Computing Techniques 3. Digital IC Design using CMOS	

IV Year - II Semester

S. No.	Category	Code	Course Title	Hours per week			Credits
1	Major Project	PROJ	Project work, seminar and internship in industry	-	-	-	12
INTERNSHIP (6 MONTHS)							
Total credits						12	

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**DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ENGINEERING**

SRKIT / ECE / 7

ELECTIVES OFFERED

The following Elective Subjects are offered for III/IV B.TECH, Electronics and Communication Engineering students for the academic year 2022-23 II Semester. Please exercise the elective options in the format given.

LIST OF ELECTIVES


PROFESSIONAL ELECTIVE – II

1. Microwave Engineering
2. Mobile & Cellular Communication
3. Embedded Systems
4. CMOS Analog IC Design

OPEN ELECTIVE – II

1. Python Programming
2. Soft Computing
3. Computer Networks


HOD ECE


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**LIST OF ELECTIVES (MOOCS) OFFERED,
 CHOICE EXERCISED BY STUDENTS**

SRKIT / ECE / 73

Academic Year: 2022-23

Section-A

Year / Semester: III/II

S. No	ROLL NO	NAME OF THE STUDENT	PROFESSIONAL ELECTIVE - I				OPEN ELECTIVE - II			Signature of the Student
			Microwave Engineering	Mobile & Cellular Communication	Embedded Systems	CMOS Analog IC Design	Python Programming	Computer Networks	Soft Computing	
1	20X41A0401	AMBATI MEGHA VARDHAN		✓			✓			<i>A. Megha</i>
2	20X41A0402	ATHOTA MEGHANA		✓			✓			<i>A. Megha</i>
3	20X41A0403	BHOGADI GOPIKA NAVYA HARSHITHA		✓			✓			<i>B. Megha</i>
4	20X41A0404	BANDI MOUNIKA		✓			✓			<i>B. Mounika</i>
5	20X41A0405	BHIMIREDDY LAKSHMI SAMANVITHA		✓			✓			<i>B. Lakshmi</i>
6	20X41A0406	BOLLA VINEELA		✓			✓			<i>B. Vineela</i>
7	20X41A0407	BOYAPATI SUPRIYA		✓			✓			<i>B. Supriya</i>
8	20X41A0408	CHANDANA NAGA SATYA SAI DURGA HARSHITHA		✓			✓			<i>Chandana</i>
9	20X41A0409	CHILAKURI KOTESWARI		✓			✓			<i>Ch. Koteswari</i>
10	20X41A0410	CHINNAM ASISHI		✓			✓			<i>Ch. Asishi</i>
11	20X41A0412	DASARI SONYA		✓			✓			<i>D. Sonya</i>
12	20X41A0413	DASARI VAMSI KRISHNA		✓			✓			<i>D. Vamsi</i>
13	20X41A0414	DAVULURI TANUJA		✓			✓			<i>D. Tanuja</i>
14	20X41A0415	DEVINENI SAI KUMAR		✓			✓			<i>D. Sai Kumar</i>
15	20X41A0416	DHULIPUDI SRAVANI		✓			✓			<i>D. Sravani</i>
16	20X41A0417	GOGULA SANDHYA		✓			✓			<i>G. Sandhya</i>
17	20X41A0418	GOLTHI HEMA RAMESH		✓			✓			<i>G. Hema</i>

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			MWE	MCC	ES	CMOSAD	Python	CN	SC	Signature	
18	20X41A0419	GOPSETTI GEETA NAGA PRIYANKA		✓			✓			G. Priyanka	
19	20X41A0420	GULUGULURI SUSEELA		✓			✓			G. Suseela	
20	20X41A0421	GURRAM BHARGAVI		✓			✓			G. Bhargavi	
21	20X41A0422	JONNA VENKATA KRISHNA VARA PRASAD		✓			✓			J. Vora Prasad	
22	20X41A0423	JALIPARTHI SIVA KARTHIK		✓			✓			J. Karthik	
23	20X41A0424	JETTI MANIKANTA		✓			✓			J. Manikanta	
24	20X41A0425	KOMMINENI DIMPUL TEJA		✓			✓			K. Dimpul Teja	
25	20X41A0427	KADALI SAI SATISH		✓			✓			K. Satish	
26	20X41A0428	KARANKI MAHESH		✓			✓			K. Mahesh	
27	20X41A0429	KARLAPALEM SRI MANASWINI		✓			✓			K. Sri Manaswini	
28	20X41A0431	KODALI SUSHMA		✓			✓			K. Sushma	
29	20X41A0432	KODATI NAGA SATYA SAI PRAKASH		✓			✓			K. Sai Prakash	
30	20X41A0433	KOMMU PALLAVI		✓			✓			K. Pallavi	
31	20X41A0434	KUMARAPU TARUN		✓			✓			K. Tarun	
32	20X41A0435	MADALA DEVI SRI		✓			✓			M. Devi Sri	
33	20X41A0437	MEKALA SRIKANTH REDDY		✓			✓			M. Srikanth Reddy	
34	20X41A0438	MOHAMMAD AYAZ		✓			✓			M. Ayaz	
35	20X41A0439	MOHAMMAD EDAYATULLA		✓			✓			M. Edayatulla	
36	20X41A0440	MOHAMMAD NAZILA		✓			✓			M. Nazila	
37	20X41A0442	NALLABOTHULA NAGAMANI		✓			✓			N. Nagamani	
38	20X41A0443	NARAGIRINADHUNI AASRITHA		✓			✓			N. Aasritha	
39	20X41A0444	NARRA RUPESH		✓			✓			N. Rupesh	
40	20X41A0446	NIDADHAVOLU VINEESHA		✓			✓			N. Vineesha	
41	20X41A0447	NUNNA MADHU		✓			✓			N. Madhu	
42	20X41A0448	PALAGANI SRAVYA	Detained -								P. Sravya
43	20X41A0449	PALLIKONDA SUMASRI		✓			✓			P. Sumasri	

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			MWE	MCC	ES	CMO/AD	Further	CN	SC	Signature
44	20X41A0450	PODDUTURI KHASIMBI		✓			✓			P. Khasimbi
45	20X41A0451	POLAMURI DILEEP DURGA RAO		✓			✓			P. Dilip
46	20X41A0452	POTHIRINDI SIRISHA		✓			✓			P. Sirisha
47	20X41A0453	PUTTA NAGA PHANINDRA		✓			✓			P. Naga Phan
48	20X41A0454	REPALLE THANMAI		✓			✓			R. Thanmai
49	20X41A0455	SANGATI VISWA TEJA		✓			✓			S. Viswa
50	20X41A0456	SANGABATTULA MANOJ		✓			✓			S. Manoj
51	20X41A0457	SHENIGE SRI CHAITANYA		✓			✓			S. Chaitanya
52	20X41A0458	SODISETTI SATHWIKA		✓			✓			S. Sathwika
53	20X41A0459	SOMISETTY YASHWANTH		✓			✓			S. Yashwanth
54	20X41A0460	TUMMALAGUNTA DIVYA SRI		✓			✓			T. Divya
55	21X45A0401	KANCHARLA GEETHANJALI		✓			✓			K. Geethan - Jali
56	21X45A0402	JUJJAVARAPU SAI PADMA SHREEYA		✓			✓			J. Sai Padma
57	21X45A0403	PENUGURTHI VINAY KUMAR		✓			✓			P. Vinay Kumar
58	21X45A0404	KOTHAPALLI VELANGINI		✓			✓			K. Velangini
59	21X45A0405	MOHAMMAD SALEEM BEG		✓			✓			Md. Saleem Beg
60	21X45A0406	PAMULA DEENA		✓			✓			P. Deena
61	21X45A0407	TEKI BHAGYESH		✓			✓			T. Bhagyesh
62	21X45A0408	PINNAMANENI VENKAT RATNAM		✓			✓			P. Venkat Ratnam
63	21X45A0409	K HARSHA NITHIN		✓			✓			K. Nithin
64	19X41A0427	M DEVI SWARNANJALI		✓			✓			M. Devi Swarnanjali
65	19X41A0481	Md SADIK HUSSAIN		✓			✓			Md. Sadik Hussain

S. Sri Gowd
HOD/Date

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**LIST OF ELECTIVES (MOOCS) OFFERED,
 CHOICE EXERCISED BY STUDENTS**

SRKIT / ECE / 73

Academic Year: 2022-23

Section-B

Year / Semester: III/II

S. No	ROLL NO	NAME OF THE STUDENT	PROFESSIONAL ELECTIVE - I				OPEN ELECTIVE - II			Signature of the Student
			Microwave Engineering	Mobile & Cellular Communication	Embedded Systems	CMOS Analog IC Design	Python Programming	Computer Networks	Soft Computing	
1	20X41A0461	THOTA SAI VENKATA NEERAJ	Detained							
2	20X41A0462	VULLI ANIL			✓		✓			V. Anil
3	20X41A0463	VENKAIAH CHOWDARY BIKKI			✓		✓			B. Venkaiah
4	20X41A0464	YADDANAPUDI VENKATESH			✓		✓			Y. Venkatesh
5	20X41A0465	B.J.B.N.V.S.SANDEEP			✓		✓			B. Sandeep
6	20X41A0466	BATTULA PRAVEEN			✓		✓			B. Praveen
7	20X41A0467	BHOGADULA UJWALA NAGA PRAVALLIKA			✓		✓			B. Ujwala
8	20X41A0468	BITRA ROOPA SRI			✓		✓			B. Roopa
9	20X41A0469	CHAVALI TANUJ			✓		✓			Ch. Tanu
10	20X41A0470	DAGGULA VENKATA REDDY			✓		✓			D. Venkata Reddy
11	20X41A0471	DONTHALAPAVANI DURGA			✓		✓			D. Pavani Durg
12	20X41A0472	DEVARAKONDARAME SHI			✓		✓			D. Rama
13	20X41A0473	EDA PRAVALLIKA			✓		✓			E. Praveen
14	20X41A0474	GUDIVAKA NAGA PRAVEEN			✓		✓			G. Praveen
15	20X41A0475	GADI VAMSI			✓		✓			G. Vamsi
16	20X41A0476	GAJJALAKONDA RAMYA			✓		✓			G. Ramya

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		SANGAMESWARA RAO									
44	20X41A04A6	VANAPAMULA VENKATA SIVA DURGA LAVANYA			✓			✓			V. Lavanya
45	20X41A04A7	VARRE TANUJA			✓			✓			Tanuja
46	20X41A04A8	VUKKADAPU NAGA SAI			✓			✓			V. Naga Sai
47	20X41A04A9	YADLA SUNAGA SRI			✓			✓			Y. Sunaga Sri
48	20X41A04B1	TADISETTY KARTHIK SHANKAR			✓			✓			T. Kartik Shankar
49	20X41A04B2	UPPE LAKSHMI DURGA			✓			✓			U. Lakshmi Durga
50	21X45A0410	PABOLU NAGA VENKATA SATYA LAKSHMI CHANDINI			✓			✓			P. Naga Satya Lakshmi Chandini
51	21X45A0411	BHOGIREDDY MEGHANADH			✓			✓			B. Meghanadh
52	21X45A0412	EPURI ROHITH			✓			✓			E. Rohith
53	21X45A0413	JUJAVARAPU GOPI CHANDU			✓			✓			J. Gopichandu
54	21X45A0414	SARVISETTY NAGA DURGA BABU			✓			✓			S. Naga Durga Babu
55	21X45A0415	BANKA UMA MAHESWARA RAO			✓			✓			B. Uma Maheswara Rao
56	21X45A0416	BANALA SAI NEERAJ			✓			✓			B. Sai Neeraj
57	21X45A0417	JAVVADI OM SREE VAGDEVI			✓			✓			J. Om Sree Vagdevi
58	21X45A0418	TIRIVEEDHI LEKHA SREE			✓			✓			T. Lekha Sree
59	21X45A0419	THUPAKULA DURGA PRASADA RAO			✓			✓			T. Durga Prasada Rao
60	21X45A0420	GUDIPUDI RESHMA			✓			✓			G. Reshma
61	21X45A0421	KURRA SUMASRI			✓			✓			K. Sumasri
62	21X45A0422	TIPPIREDDY VENKATA KRISHNA REDDY			✓			✓			T. V. Krishna Reddy
63	21X45A0423	KOLLATHUVALAPIL SAI KRISHNA			✓			✓			K. Sai Krishna
64	21X45A0424	SHAIK JOEL SHONE			✓			✓			S. K. Joel Shone

S. Sri G...
HOD/Date
2/1/23
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ELECTIVES OFFERED

The following Elective Subjects are offered for IV/IV B.TECH, Electronics and Communication Engineering students for the academic year 2022-23 I Semester. Please exercise the elective options in the format given.

LIST OF ELECTIVES

PROFESSIONAL ELECTIVE – III

1. Communication Standards and Protocols
2. Analog IC Design
3. Smart Sensors
4. Advanced Digital Signal Processing
5. Augmented Reality

PROFESSIONAL ELECTIVE – IV

1. Software Radio
2. Low Power VLSI Design
3. Embedded Systems
4. DSP Processors and Architectures
5. Multi Media Communication


HOD ECE


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 Department of Electronics and Communication
 Engineering



**LIST OF ELECTIVES (MOOCS) OFFERED,
 CHOICE EXERCISED BY STUDENTS**

SRKIT / ECE / 73

Academic Year: 2022-23

Section-B

Year / Semester: IV/I

S. NO	ROLL NO	NAME OF THE STUDENT	PROFESSIONAL ELECTIVE 3					PROFESSIONAL ELECTIVE 4					Signature of the Student
			Communication Standards and Protocols	Analog IC Design	Smart Sensors	Advanced Digital Signal Processing	Augmented Reality	Software Radio	Low Power VLSI Design	Embedded Systems	DSP Processors and Architectures	Multi Media Communication	
1	19X41A0454	A ANU SAI SURESH	✓							✓			A. Anush
2	19X41A0455	ARANGI ASHOK	✓							✓			A. Ashok
3	19X41A0456	A RAMANJI REDDY	✓							✓			A. V. R. P. Reddy
4	19X41A0457	BANDI DEEKSHITHA	✓							✓			B. Deekshit
5	19X41A0458	B MADHUSUDHAN REDDY	✓							✓			B. Madhusudhan
6	19X41A0460	BOMMI VANI	✓							✓			B. Vani
7	19X41A0461	CHAPPIDI SAI VANI	✓							✓			Ch. Saini
8	19X41A0463	DASARI SWATHI	✓							✓			D. Swathi
9	19X41A0466	G SAI VIVEK REDDY	✓							✓			G. Sai Vivek
10	19X41A0467	GOTETI VARUN TEJA	✓							✓			G. Varun
11	19X41A0468	GUMPENE NAVIEN	✓							✓			G. Navi
12	19X41A0469	M YASWANTRAJ	✓							✓			M. Yaswantraj
13	19X41A0470	INDRAGANTI MANOHAR	✓							✓			I. Manohar
14	19X41A0471	JANAKI RAM Y	✓							✓			J. Janaki
15	19X41A0472	J RESHMA SAI SRI	✓							✓			J. Reshma
16	19X41A0473	Y SRAVANI NAGA SAI	✓							✓			Y. Sravan
17	19X41A0474	K GIRI SAI PRAKASH	✓							✓			K. G. Sai
18	19X41A0475	K VENKATA SAI KRISHNA	✓							✓			K. Venkata
19	19X41A0476	KODE AJAY KUMAR	✓							✓			K. Ajay

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20	19X41A0477	KOLLA HIMA HASANTHI	✓						✓			K.Himad
21	19X41A0478	L TEJA ARUN KUMAR	✓						✓			Tej arun
22	19X41A0479	M DINESH REDDY	✓						✓			M Dinesh Reddy
23	19X41A0480	MOHAMMAD AFROZ	✓						✓			M D Afroz
24	19X41A0482	MUCHU NAGA TEJA	✓						✓			M. Naga Teja
25	19X41A0483	N JYOTHSNA MOUNIKA	✓						✓			N. Jyothsna mounika
26	19X41A0484	NAGULLA KARTHIK	✓						✓			Karthik. N
27	19X41A0485	N MOUNIKA	✓						✓			N. Mounika
28	19X41A0486	NANDURI VENU GOPAL	✓						✓			N. Venugopal
29	19X41A0487	N MOUNIKCHOWDARY	✓						✓			N. Mounik Chowdary
30	19X41A0488	P VENKATA SAJ SUDEEPTHI	✓						✓			Sudeepti
31	19X41A0489	PALAGANI YOGESWAR	✓						✓			P. Yogeswar
32	19X41A0490	P VENKATA SAJ VENTHI	✓						✓			P. Venkatesh
33	19X41A0491	PASUPULETI SAIBABU	✓						✓			P. Saibabu
34	19X41A0492	P B V DURGA PRASAD	✓						✓			P. Durga Prasad
35	19X41A0493	PENUMAKA RAHTYA	✓						✓			P. Rahitya
36	19X41A0494	SHAIK MOULALI	✓						✓			Shaike
37	19X41A0495	SHAIK UNNAS	✓						✓			Sh. Unnas
38	19X41A0496	S NAGANJANEYULU	✓						✓			S. Naganjaneyulu
39	19X41A0497	TCHAITANYA SNIGDHA	✓						✓			T. Snigdha
40	19X41A0499	U SAMANIKA	✓						✓			U. Samanika
41	19X41A04A0	V NAGA VENKATA SATYA RAKESH	✓						✓			V. Naga Venkata Satya Rakesh
42	19X41A04A1	V CHAITANYA KUMAR	✓						✓			V. Chaitanya Kumar
43	19X41A04A2	VULAPU POOJITHA	✓						✓			V. Poojitha
44	19X41A04A3	VULLI DHANUJA	✓						✓			V. Dhenuja
45	19X41A04A4	Y PRASANTH REDDY	✓						✓			Y. Prasanth Reddy


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46	20X45A0409	KODURI PRAMEELA	✓							✓			Prameela
47	20X45A0410	KONDURU SAI RAMYA	✓							✓			K. Ramya
48	20X45A0411	NAKKA SAILAJA	✓							✓			N. Sailaja
49	20X45A0412	P SRIKANTH	✓							✓			P. Srikanth
50	20X45A0414	SK TASNEEM FIRDOUS	✓							✓			S. Tasneem
51	20X45A0415	SIDDANI KARTHIK	✓							✓			S. Karthi
52	20X45A0416	SYED NAVREEN	✓							✓			Syed. Navreen
53	20X45A0417	V GOWTHAM	✓							✓			V Gowtham
54	20X45A0418	G SAI KRISHNA	✓							✓			G. Sai Krishna
55	20X45A0419	E SASI PREETHAM	✓							✓			E. Sasi Preetham

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HOD/Date
1/8/22

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 Enikepadu, Vijayawada 521108
 Department of Electronics and Communication
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**LIST OF ELECTIVES (MOOCS) OFFERED,
 CHOICE EXERCISED BY STUDENTS**

SRKIT / ECE / 73

Academic Year: 2022-23

Section-A

Year / Semester: IV/I

S N O	ROLL NO	NAME OF THE STUDENT	PROFESSIONAL ELECTIVE 3					PROFESSIONAL ELECTIVE 4					Signature of the Student
			Commu- nication Stand- ards and Protocols	Audio & IC Design	Smart Sensors	Advanced Digital Signal Processing	Augmented Reality	Software Radio	Low Power VLSI Design	Embedded Systems	DSP Processors and Architectures	Multi Media & Communi- cation	
1	19X41A0401	A MURALI MOHAN	✓							✓			A. Meera
2	19X41A0402	A DOONDI BALAJI	✓							✓			A. Doondi
3	19X41A0403	ANAMDASU BHAVANA	✓							✓			A. Bhavana
4	19X41A0404	ARUNA JYOTHI PRASADAM	✓							✓			A. Aruna
5	19X41A0405	A SUNHITH VARDHAN	✓							✓			A. Sunhith
6	19X41A0406	BAGADI ABHILASHI	✓							✓			B. Abhilashi
7	19X41A0407	BAPATLA ABHINAYA	✓							✓			B. Abhinaya
8	19X41A0408	BUGATHA RAJANI	✓							✓			B. Rajani
9	19X41A0409	CH RAGHUNADH REDDY	✓							✓			Ch. Raghunadh
10	19X41A0410	CH V NAGA V PRAVEEN	✓							✓			Ch. V. Naga V
11	19X41A0411	CH HEMA MOULIKA	✓							✓			Ch. Hema
12	19X41A0412	CH SUDHARSAN REDDY	✓							✓			Ch. Sudharsan
13	19X41A0413	D BALA SUBRAHMANYAM	✓							✓			D. Bala
14	19X41A0414	DEVISETTI BALA DURGA RAO	✓							✓			D. Durga Rao
15	19X41A0415	DEVISETTY JANARDHAN	✓							✓			D. Janardhan
16	19X41A0416	GADDAM NARASIMHA REDDY	✓							✓			G. Narasimha
17	19X41A0417	G KUSUMA LAKSHMI	✓							✓			G. Kusuma
18	19X41A0418	G MANIKANTA SAI KIRAN	✓							✓			G. Manikanta Sai
19	19X41A0419	GORLE RAJESH	✓							✓			G. Rajesh
20	19X41A0420	GUJJULA LAKSHMI SAI	✓							✓			G. Lakshmi Sai

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21	19X41A0421	K VISVENU PRASANNA	✓						✓		K.V. Prasad
22	19X41A0422	K SRINIVASA REDDY	✓						✓		K.S. Reddy
23	19X41A0423	KOLLI RAM KUMAR	✓						✓		K. Ram
24	19X41A0424	K LIKHITHA	✓						✓		K. Likhitha
25	19X41A0425	K BABY SAJLATHA	✓						✓		K. Sai Latha
26	19X41A0426	LINGUTLA GOWTHAMI	✓						✓		Gowthami
27	19X41A0428	M KRISHNA VAMSI	✓						✓		M. Krishna
28	19X41A0429	MID KHAIRUNNISA	✓						✓		M. Khairunisa
29	19X41A0431	M PAVAN SURYA KUMAR	✓						✓		M. Pavan
30	19X41A0432	NADAPANA SAIKUMAR	✓						✓		N. Sai Kumar
31	19X41A0433	N MUKUNDA PRIYA	✓						✓		N. Mukunda
32	19X41A0434	N JESWITHA	✓						✓		N. Jeswita
33	19X41A0435	NETHI MAHARSHI	✓						✓		N. Maharsi
34	19X41A0438	PAVANI POLAVARAPU	✓						✓		P. Pavani
35	19X41A0439	PINDI HARI SAI	✓						✓		P. Hari Sai
36	19X41A0440	PULUGUJU GANESH	✓						✓		P. Ganesh
37	19X41A0441	P SRI LAKSHMINADH	✓						✓		P. Sri Lakshmi
38	19X41A0442	S SREENTVASA KUMAR	✓						✓		S. Sreentvasa
39	19X41A0443	S KARTHIK	✓						✓		S. Karthik
40	19X41A0445	S VENKATA VIGNESH	✓						✓		S. Venkata
41	19X41A0446	SINGAMSETTY SWATHI	✓						✓		S. Swathi
42	19X41A0447	SWARNA BHARGAVI	✓						✓		S. Bhargavi
43	19X41A0448	SYED AFZAL	✓						✓		S. Afzal
44	19X41A0449	TANUBUDDI RENUKA	✓						✓		T. Renuka
45	19X41A0450	U VINEELA SRI	✓						✓		U. Vineela
46	19X41A0451	V KIRAN KUMAR	✓						✓		V. Kiran
47	19X41A0452	VENNA SAI KUMAR	✓						✓		V. Sai Kumar
48	19X41A0453	YARASURI USHASWINI	✓						✓		Y. Ushaswini
49	20X45A0401	A VENKATA MADHURI	✓						✓		A. Madhuri
50	20X45A0402	A PARDHASARADHI	✓						✓		A. Pardhasaradhi

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51	20X45A0403	G LAKSHMI NARAYANA	✓							✓			G. Lakshmi Narayana
52	20X45A0404	GOGINENTI GAYATHRI	✓							✓			G. Gayathri
53	20X45A0405	G GNANESWARI	✓							✓			G. Gnaneswari
54	20X45A0406	G VENKATA SAI BALAJI	✓							✓			G. V. S. Balaji
55	20X45A0407	JANGAM CHINNI	✓							✓			J. Chinni
56	20X45A0408	J SRI CHANDANA DEVI	✓							✓			J. Chandana Devi
57	18X41A0438	PANDI JOHNSON	✓							✓			P. Johnson
58	18X41A0480	K VENKATA SYAM NAVEEN	✓							✓			K. Naveen

S. Sri Gowri
HOD/Date
1/8/22

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**DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ENGINEERING**

SRKIT / ECE / 73

ELECTIVES OFFERED

The following Elective Subjects are offered for III/IV B.TECH, Electronics and Communication Engineering students for the academic year 2022-23 I Semester. Please exercise the elective options in the format given.

LIST OF ELECTIVES

PROFESSIONAL ELECTIVE - I

1. Antenna and Wave Propagation
2. Electronic Measurements and Instrumentation
3. Computer Architecture & Organization

OPEN ELECTIVE - I

1. Renewable Energy Sources (EEE)
2. Computer Organization and Architecture (CSE)
3. Environmental Pollution and Control (CE)

HOD ECE

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 Department of Electronics and Communication
 Engineering



**LIST OF ELECTIVES (MOOCS) OFFERED,
 CHOICE EXERCISED BY STUDENTS**

SRKIT / ECE / 73

Academic Year: 2022-23

Section-A

Year / Semester: III/I

S. No	ROLL NO	NAME OF THE STUDENT	ELECTIVE - I			ELECTIVE - II			Signature of the Student
			Antenna and wave Propagation	Electronic Measurements and Instrumentation	Computer Architecture & Organization	Renewable Energy Sources	Computer Organization & Architecture	Environmental Pollution & Control	
1	20X41A0401	AMBATI MEGHA VARDHAN		✓			✓		A. Megha
	20X41A0402	ATHOTA MEGHANA		✓			✓		A. Meghana
3	20X41A0403	BHOGADI GOPIKA NAVYA HARSHITHA		✓			✓		B. Gopi
4	20X41A0404	BANDI MOUNIKA		✓			✓		B. Mounika
5	20X41A0405	BHIMIREDDY LAKSHMI SAMANVITHA		✓			✓		B. Lakshmi
6	20X41A0406	BOLLA VINEELA		✓			✓		B. Vineela
7	20X41A0407	BOYAPATI SUPRIYA		✓			✓		B. Supriya
8	20X41A0408	CHANDANA NAGA SATYA SAI DURGA HARSHITHA		✓			✓		Ch. Harshitha
9	20X41A0409	CHILAKURI KOTESWARI		✓			✓		Ch. Koteswari
10	20X41A0410	CHINNAM ASISH		✓			✓		Ch. Asish
	20X41A0412	DASARI SONIYA		✓			✓		D. Soniya
12	20X41A0413	DASARI VAMSI KRISHNA		✓			✓		D. Vamsi
13	20X41A0414	DAVULURI TANUJA		✓			✓		D. Tanuja
14	20X41A0415	DEVINENI SAI KUMAR		✓			✓		D. Sai Kumar
15	20X41A0416	DHULIPUDI SRAVANI		✓			✓		D. Sravani
16	20X41A0417	GOGULA SANDHYA		✓			✓		G. Sandhya
17	20X41A0418	GOLTHI HEMA RAMESH		✓			✓		G. Hema
18	20X41A0419	GOPISETTI GEETA NAGA PRIYANKA		✓			✓		G. Priyanka
19	20X41A0420	GULUGULURI SUSEELA		✓			✓		G. Suseela

[Signature]
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20	20X41A0421	GURRAM BHARGAVI		✓		✓	G. Bhargavi
21	20X41A0422	JONNA VENKATA KRISHNA VARA PRASAD		✓		✓	J.V.K. Krishna Prasad
22	20X41A0423	JALIPARTHI SIVA KARTHIK		✓		✓	J. Kartik
23	20X41A0424	JETTI MANIKANTA		✓		✓	J. Manikanta
24	20X41A0425	KOMMINENI DIMPUL TEJA		✓		✓	K. Dimpul Teja
25	20X41A0427	KADALI SAI SATISH		✓		✓	Satish
26	20X41A0428	KARANKI MAHESH		✓		✓	K. Mahesh
27	20X41A0429	KARLAPALEM SRI MANASWINI		✓		✓	K. Sri Manaswini
28	20X41A0431	KODALI SUSHMA		✓		✓	K. Sushma
29	20X41A0432	KODATI NAGA SATYA SAI PRAKASH		✓		✓	K. Prakash
30	20X41A0433	KOMMU PALLAVI		✓		✓	K. Pallavi
	20X41A0434	KUMARAPU TARUN		✓		✓	K. Tarun
32	20X41A0435	MADALA DEVI SRI		✓		✓	M. Devi Sri
33	20X41A0437	MEKALA SRIKANTH REDDY		✓		✓	M. Srikanth
34	20X41A0438	MOHAMMAD AYAZ		✓		✓	M. Ayaz
35	20X41A0439	MOHAMMAD EDAYATULLA		✓		✓	M. Edayatulla
36	20X41A0440	MOHAMMAD NAZILA		✓		✓	Md. Nazila
37	20X41A0442	NALLABOTHULA NAGAMANI		✓		✓	N. Nagamani
38	20X41A0443	NARAGIRINADHUNI AASRITHA		✓		✓	N. Aasritha
39	20X41A0444	NARRA RUPESH		✓		✓	N. Rupesh
40	20X41A0446	NIDADHAVOLU VINEESHA		✓		✓	N. Vineesha
	20X41A0447	NUNNA MADHU		✓		✓	N. Madhu
42	20X41A0448	PALAGANI SRAVYA		✓		✓	P. Sravya
43	20X41A0449	PALLIKONDA SUMASRI		✓		✓	P. Sumasri
44	20X41A0450	PODDUTURI KHASIMBI		✓		✓	P. Khasimbi
45	20X41A0451	POLAMURI DILEEP DURGA RAO		✓		✓	P. Dileep
46	20X41A0452	POTHIRINDI SIRISHA		✓		✓	P. Sirisha
47	20X41A0453	PUTTA NAGA PHANTINDRA		✓		✓	P. Phantindra
48	20X41A0454	REPALLE THANMAI		✓		✓	R. Thanmai
49	20X41A0455	SANGATI VISWA TEJA		✓		✓	S. Viswa Teja
50	20X41A0456	SANGABATTULA MANOJ		✓		✓	S. Manoj

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51	20X41A0457	SHENIGE SRI CHAITANYA		✓		✓	S. Chaitanya
52	20X41A0458	SODISETTI SATHWIKA		✓		✓	S. Sathwika
53	20X41A0459	SOMISETTY YASHWANTH		✓		✓	S. Yashwanth
54	20X41A0460	TUMMALAGUNTA DIVYA SRI		✓		✓	T. Divya Sri
55	21X45A0401	KANCHARLA GEETHANJALI		✓		✓	K. Geethanjali
56	21X45A0402	JUJJAVARAPU SAI PADMA SHREEYA		✓		✓	J. Padma Shreeya
57	21X45A0403	PENUGURTHI VINAY KUMAR		✓		✓	P. Vinay Kumar
58	21X45A0404	KOTHAPALLI VELANGINI		✓		✓	K. Velangini
59	21X45A0405	MOHAMMAD SALEEM BEG		✓		✓	M. Saleem Beg
60	21X45A0406	PAMULA DEENA		✓		✓	P. Deena
61	21X45A0407	TEKI BHAGYESH		✓		✓	T. Bhagyesh
62	21X45A0408	PINNAMANENI VENKAT RATNAM		✓		✓	P. Venkat Ratnam
63	21X45A0409	K HARSHA NITHIN		✓		✓	K. Harsha Nithin
64	19X41A0427	M DEVI SWARNANJALI					
65	19X41A0481	MJ SADIK HUSSAIN					

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1/8/22

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**LIST OF ELECTIVES (MOOCS) OFFERED,
 CHOICE EXERCISED BY STUDENTS**

SRKIT / ECE / 73

Academic Year: 2022-23

Section-B

Year / Semester: III/I

S. No	ROLL NO	NAME OF THE STUDENT	ELECTIVE - I			ELECTIVE - II			Signature of the Student
			Antenna and wave Propagation	Electronic Measurements and Instrumentation	Computer Architecture & Organization	Renewable Energy Sources	Computer Organization & Architecture	Environmental Pollution & Control	
1	20X41A0461	THOTA SAI VENKATA NEERAJ		✓			✓		
2	20X41A0462	VULLI ANIL		✓			✓	V. Anil	
3	20X41A0463	VENKALAH CHOWDARY BIKKI		✓			✓	B. Venkalah	
4	20X41A0464	YADDANAPUDI VENKATESH		✓			✓	Y. Venkatesh	
5	20X41A0465	B.J.B.N.V.S.SANDEEP		✓			✓	B.J. Sandeep	
6	20X41A0466	BATTULA PRAVEEN		✓			✓	B. Praveen	
7	20X41A0467	BHOGADULA UJWALA NAGA PRAVALLIKA		✓			✓	B. Ujala	
8	20X41A0468	BITRA ROOPA SRI		✓			✓	B. Roopa Sri	
9	20X41A0469	CHAVALI TANUJ		✓			✓	Ch. Tanuj	
10	20X41A0470	DAGGULA VENKATA REDDY		✓			✓	D. Venkata	
11	20X41A0471	DONTHALA PAVANI DURGA		✓			✓	D. Pavani	
12	20X41A0472	DEVARAKONDA RAMESH		✓			✓	D. Ramesh	
13	20X41A0473	EDA PRAVALLIKA		✓			✓	E. Pravallika	
14	20X41A0474	GUDEVAKA NAGA PRAVEEN		✓			✓	G. Praveen	
15	20X41A0475	GADI VAMSI		✓			✓	G. Vamsi	
16	20X41A0476	GAJJALAKONDA RAMYA		✓			✓	G. Ramya	
17	20X41A0477	GORANTLA JAHNAVI		✓			✓	G. Jahnavi	
18	20X41A0478	GUNTAMUKKALA MARY DEEKSHITHA		✓			✓	G. Mary	
19	20X41A0479	JAMI ARAVIND KUMAR		✓			✓	J. Aravind	
20	20X41A0480	KAMATHAM MEENAKSHI		✓			✓	K. Meenakshi	

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 PRINCIPAL

21	20X41A0481	KANURI LAKSHMI CHANDRIKA		✓					
22	20X41A0482	KESANI SAI		✓			✓		K. Kesani
23	20X41A0483	KODALI VENKATESH		✓			✓		K. Venkatesh
24	20X41A0484	KOTTAPALLI VENKATESH		✓			✓		K. Venkatesh
25	20X41A0485	KURRA THANURYA		✓			✓		K. Thanurya
26	20X41A0486	KURUVA SRAVANI		✓			✓		K. Sravani
27	20X41A0487	MANTADA MEGHANA		✓			✓		M. Meghana
28	20X41A0488	MOHAMMAD MINHAI BAIG		✓			✓		M. Minhaj
29	20X41A0489	MUVVA SRI SWATHI		✓			✓		M. Sri Swathi
30	20X41A0490	ORSU HEMANTH KUMAR		✓			✓		O. Hemanth
31	20X41A0491	PARASU PRAVEEN GANDHI		✓			✓		P. Praveen G.
32	20X41A0492	PIRATI BUSHI NAIDU		✓			✓		P. Bushi Naidu
	20X41A0493	PULI SRI HARI		✓			✓		P. Sri Hari
34	20X41A0495	RAAVI AKHIL		✓			✓		R. Akhil
35	20X41A0496	REDROTHU SRAVYA		✓			✓		R. Sravya
36	20X41A0497	RUSHIKA PHANI PENNERU		✓			✓		R. Rushika
37	20X41A0498	SIMHADRI SAI KAMAL		✓			✓		S. Sai Kamal
38	20X41A04A0	SANDU PRATHYUSHA		✓			✓		S. Prathyusha
39	20X41A04A1	SHAIK BASHEER		✓			✓		S. Basheer
40	20X41A04A2	SHAIK SUHAIB AHMED		✓			✓		S. Suhaib
41	20X41A04A3	SISTLA GANESH AKHILA		✓			✓		S. Akhila
42	20X41A04A4	TADUTURU UMA KEERTHANA		✓			✓		T. Keerthana
	20X41A04A5	TUMMALA SANGAMESWARA RAO		✓			✓		T. Sangam
44	20X41A04A6	VANAPAMULA VENKATA SIVA DURGA LAVANYA		✓			✓		V. Lavanya
45	20X41A04A7	VARRE TANUJA		✓			✓		V. Tanuja
46	20X41A04A8	VUKKADAPU NAGA SAI		✓			✓		V. Naga Sai
47	20X41A04A9	YADLA SUNAGA SRI		✓			✓		Y. Sunaga
18	20X41A04B1	TADISETTY KARTHIK SHANKAR		✓			✓		T. Karthik Shankar
9	20X41A04B2	UPPE LAKSHMI DURGA		✓			✓		U. Lakshmi Durga
0	21X45A0410	PABOLU NAGA VENKATA SATYA LAKSHMI CHANDINI		✓			✓		P. S. L. Chandini

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51	21X45A0411	BHOGIREDDY MEGHANADH	✓	✓	✓	✓	✓	✓	13/1/22
52	21X45A0412	EPURI ROHITH	✓				✓		F. R. R. R.
53	21X45A0413	JUJI AVARAPU GOPI CHANDU	✓				✓		T. R. R. R.
54	21X45A0414	SARVISETTY NAGA DURGA BABU	✓				✓		S. N. R. R.
55	21X45A0415	BANKA UMA MAHESWARA RAO	✓				✓		S. U. R. R.
56	21X45A0416	BANALA SAI NEERAJ	✓				✓		B. S. R. R.
57	21X45A0417	JAVVADI OM SREE VAGDEVI	✓				✓		A. S. R. R.
58	21X45A0418	TIRIVEEDHI LEKHA SREE	✓				✓		V. S. R. R.
59	21X45A0419	THUPAKULA DURGA PRASAD X RAO	✓				✓		T. P. R. R.
60	21X45A0420	GUDIPUDI RESHMA	✓				✓		G. R. R. R.
61	21X45A0421	KURRA SUMASRI	✓				✓		K. S. R. R.
62	21X45A0422	TIPPIREDDY VENKATA KRISHNA REDDY	✓				✓		T. K. R. R.
63	21X45A0423	KOLLATHUVALAPIL SAI KRISHNA	✓				✓		K. S. R. R.
64	21X45A0424	SHAIK JOEL SHONE	✓				✓		S. J. R. R.

S. Sni Gowd
HOD/Date

1/8/22

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(ISO 9001:2015 Certified Institution)
Department of Computer Science and Engineering



Date: 14/11/2022

CIRCULAR

This is to inform all the students of IV/ IV B.TECH, II Semester, Computer Science and Engineering, that as per the options given by the students, the departmental academic committee decided to offer **Big Data Analytics** as a **Professional Elective-V** (R19 Syllabus), offered by parent department and **Entrepreneurship** subject as **Open Elective- III (Inter Disciplinary)** offered by Mechanical Engineering department for the academic year 2022-23. Student roll lists for electives are enclosed.

Copy to: Exam section
Notice Board

B. V. Srinivas
HOD CSE
14/11/22

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(ISO 9001:2015 Certified Institution)
Department of Computer Science and Engineering



Date: 09/11/2022

CIRCULAR

The following subjects are offered as elective subjects for IV/IV B.TECH, II Semester Computer Science and Engineering students for the academic year 2022-23 (R19 Regulation) by the JNTUK University. Hence all the students are instructed to choose the **Professional Elective-V** and **Open Elective- III (Inter Disciplinary)** subjects among the options in the given proforma, on or before 12/11/2022. The syllabus copies are enclosed.

Professional Elective-V

1. Deep Learning
2. Quantum Computing
3. DevOps
4. Blockchain Technologies
5. Big Data Analytics

Open Elective- I (Inter Disciplinary)

1. Entrepreneurship (Mechanical Department)

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HOD CSE 9/11/22

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY: KAKINADA
KAKINADA – 533 003, Andhra Pradesh, India

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

COURSE STRUCTURE AND SYLLABUS

For

B. Tech COMPUTER SCIENCE & ENGINEERING

(Applicable for batches admitted from 2019-2020)



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY: KAKINADA

KAKINADA - 533 003, Andhra Pradesh, India

A handwritten signature in green ink, likely of the author or reviewer of the syllabus.

SRK INSTITUTE OF TECHNOLOGY
ENIKEPADU, VIJAYAWADA-521 108.



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY: KAKINADA
KAKINADA – 533 003, Andhra Pradesh, India

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
IV Year – I SEMESTER

S.No	Course Code	Courses	L	T	P	Credits
1	CS4101	Cryptography and Network Security	3	0	0	3
2	CS4102	UML & Design Patterns	3	0	0	3
3	CS4103	Machine Learning	3	0	0	3
4	OE4101	Open Elective -II (Inter Disciplinary)	3	0	0	3
5	PE4101	Professional Elective- III 1. Mobile Computing 2. Data Science 3. NoSQL Databases 4. Internet of Things 5. Software Project Management	3	0	0	3
6	PE4102	Professional Elective- IV 1. Web Services 2. Cloud Computing 3. Mean Stack Technologies 4. Ad-hoc and Sensor Networks 5. Cyber Security & Forensics	3	0	0	3
7	CS4104	UML Lab #	0	0	2	1
8	PR4101	Project- I	0	0	0	2
9	MC4101	IPR & Patents	3	0	0	0
Total			21	0	2	21
# Relevant theory to be taught in the lab						

IV Year – II SEMESTER

S.No	Course Code	Courses	L	T	P	Credits
1	HS4201	Management and Organizational Behavior	3	0	0	3
2	OE4201	Open Elective- III (Inter Disciplinary)	3	0	0	3
3	PE4201	Professional Elective-V 1. Deep Learning 2. Quantum Computing 3. DevOps 4. Blockchain Technologies 5. Big Data Analytics	3	0	0	3
4	PR4201	Project- II	0	0	0	7
Total			9	0	0	16

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LIST OF ELECTIVES OFFERED & CHOICE EXERCISED BY STUDENTS

Academic Year: 2022-23

Year/ Semester: IV/ II Section-I

S No	ROLL NO	Professional Elective- V					Open Elective II (Inter Disciplinary) (Entrepreneurship)	Signature of the student
		DL	QC	Dev Ops	BCT	BDA		
1	19X41A0501					✓	✓	Sirshaj
2	19X41A0502					✓	✓	Amulra
3	19X41A0503					✓	✓	Vinodh
4	19X41A0504					✓	✓	Hema Sri
5	19X41A0505					✓	✓	Quaristya
6	19X41A0506					✓	✓	Durga
7	19X41A0508					✓	✓	Selanya
8	19X41A0509					✓	✓	Tharalakshmi
9	19X41A0510					✓	✓	Travika
10	19X41A0511					✓	✓	Ramya Raju
11	19X41A0512					✓	✓	Sruja
12	19X41A0513					✓	✓	Prasanth
13	19X41A0514					✓	✓	Larun
14	19X41A0515					✓	✓	Nagarjuna
15	19X41A0516					✓	✓	Dhruvika
16	19X41A0517					✓	✓	Satya
17	19X41A0518					✓	✓	Y. Praveen
18	19X41A0519					✓	✓	C. Hemant Sai
19	19X41A0520					✓	✓	P. Tanuja
20	19X41A0521					✓	✓	M. Gino Sankar
21	19X41A0522					✓	✓	Y. Praveen
22	19X41A0523					✓	✓	SKA 19th Begun
23	19X41A0524					✓	✓	Anushka Kum
24	19X41A0525					✓	✓	G. Trinimela Sai
25	19X41A0526					✓	✓	M. Parnash
26	19X41A0527					✓	✓	G. Parniya
27	19X41A0528					✓	✓	G. Teja Srin
28	19X41A0529					✓	✓	G. Likhith
29	19X41A0530					✓	✓	G. Hemant Sri
30	19X41A0531					✓	✓	M. Srinivas
31	19X41A0532					✓	✓	J. Abhinav
32	19X41A0533					✓	✓	J. Srikanth

B. Chandra
 HOD/Date
 14/11/22



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 Department of Computer Science and Engineering



S No	ROLL NO	Professional Elective- V					Open Elective II (Inter Disciplinary) (Entrepreneurship)	Signature of the student
		DL	QC	Dev Ops	BCT	BDA		
33	19X41A0534					✓	✓	J. Yugapathar
34	19X41A0535					✓	✓	Charan
35	19X41A0536					✓	✓	Neel
36	19X41A0537					✓	✓	Mani
37	19X41A0538					✓	✓	Uppavani
38	19X41A0539					✓	✓	Lakshya
39	19X41A0540					✓	✓	Padmapati
40	19X41A0541					✓	✓	M. Jayesh
41	19X41A0542					✓	✓	Geetha
42	19X41A0543					✓	✓	Lakshmi
43	19X41A0544					✓	✓	Ganeshwar
44	19X41A0545					✓	✓	M. Di
45	19X41A0546					✓	✓	Pavan
46	19X41A0547					✓	✓	M. Adarsh Kumar
47	19X41A0548					✓	✓	M. Teja
48	19X41A0549					✓	✓	M. Lakshya Harani
49	19X41A0550					✓	✓	Vamsi
50	19X41A0551					✓	✓	P. Saurabh
51	19X41A0552					✓	✓	P. Akil
52	19X41A0553					✓	✓	P. Divya
53	19X41A0554					✓	✓	P. Tanuja
54	19X41A0555					✓	✓	R. Abid
55	19X41A0556					✓	✓	C. Praneetha
56	19X41A0557					✓	✓	S. A. Feroz
57	19X41A0558					✓	✓	S. Ribana
58	19X41A0560					✓	✓	S. Lakshya
59	19X41A0561					✓	✓	N. Ganesh
60	19X41A0562					✓	✓	P. Anusha
61	19X41A0563					✓	✓	S. Anusha
62	19X41A0564					✓	✓	Y. Mohan Babji

B. [Signature]
 HOD/Date 4/11/22

[Signature]

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LIST OF ELECTIVES OFFERED & CHOICE EXERCISED BY STUDENTS

Academic Year: 2022-23

Year/ Semester: IV/ II Section-II

S No	ROLL NO	Professional Elective- V					Open Elective II (Inter Disciplinary) (Entrepreneurship)	Signature of the student
		DL	QC	Dev Ops	BCT	BDA		
1	19X41A0565					✓	✓	Abdul Farhan
2	19X41A0566					✓	✓	Abhishek
3	19X41A0567					✓	✓	Ayushi
4	19X41A0568					✓	✓	Sandeep
5	19X41A0570					✓	✓	Chandu
6	19X41A0571					✓	✓	Sai Vignay
7	19X41A0572					✓	✓	Kavya
8	19X41A0573					✓	✓	Pallavi
9	19X41A0574					✓	✓	Abhishek
10	19X41A0575					✓	✓	Girish
11	19X41A0576					✓	✓	Tejanya
12	19X41A0577					✓	✓	Khushi
13	19X41A0578					✓	✓	Pavan Kumar
14	19X41A0579					✓	✓	Megha Sai
15	19X41A0580					✓	✓	Lampath
16	19X41A0581					✓	✓	Diveya
17	19X41A0582					✓	✓	Pranav
18	19X41A0583					✓	✓	Hanika
19	19X41A0584					✓	✓	Shravan
20	19X41A0585					✓	✓	K. S. S. S. S.
21	19X41A0586					✓	✓	L. A. A. Y. Kumar
22	19X41A0587					✓	✓	Sudheer
23	19X41A0588					✓	✓	Arjun
24	19X41A0589					✓	✓	Vijay
25	19X41A0590					✓	✓	M. Anurag
26	19X41A0591					✓	✓	Feroz
27	19X41A0592					✓	✓	Sai Sumanth
28	19X41A0594					✓	✓	Sai
29	19X41A0596					✓	✓	Sandeep
30	19X41A0597					✓	✓	Jashitha

B. G. ...
 14/11/22
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S No	ROLL NO	Professional Elective- V					Open Elective II (Inter Disciplinary) <u>Entrepreneurship</u>	Signature of the student
		DL	QC	Dev Ops	BCT	BDA		
31	19X41A0598					✓	✓	R. Hemant
32	19X41A0599					✓	✓	Tarun
33	19X41A05A0					✓	✓	Soujanya
34	19X41A05A1					✓	✓	Pranav Kumar
35	19X41A05A2					✓	✓	Kanishk
36	19X41A05A3					✓	✓	Sandeep
37	19X41A05A4					✓	✓	Yegendra
38	19X41A05A5					✓	✓	Hariz
39	19X41A05A6					✓	✓	RAFI
40	19X41A05A7					✓	✓	Naveen
41	19X41A05A8					✓	✓	Shikha, Pehla
42	19X41A05A9					✓	✓	Prisha
43	19X41A05B0					✓	✓	Parthiva
44	19X41A05B1					✓	✓	Niharani
45	19X41A05B2					✓	✓	Atika
46	19X41A05B3					✓	✓	Venkat Reddy
47	19X41A05B4					✓	✓	Ilavaraj
48	19X41A05B5					✓	✓	Sahithi
49	19X41A05B6					✓	✓	V. Rajalakshmi
50	19X41A05B7					✓	✓	Charanya
51	19X41A05B8					✓	✓	Tanuj
52	19X41A05B9					✓	✓	Joshi Babu
53	19X41A05C0					✓	✓	Sai Suman Reddy
54	20X45A0501					✓	✓	P. Karthik
55	20X45A0502					✓	✓	Jyothi
56	20X45A0503					✓	✓	M. Rupa Lakshmi
57	20X45A0505					✓	✓	Jyothsna
58	20X45A0506					✓	✓	Pranav
59	20X45A0507					✓	✓	Tarun
60	20X45A0508					✓	✓	Sri Venkata Sai
61	20X45A0509					✓	✓	B. Srinitha

B. Lakshmi
 14/11/22
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CIRCULAR

Date: 12/12/2022

This is to inform all the students of III/ IV B.TECH, II Semester, Computer Science and Engineering, that as per the options given by the students, the departmental academic committee decided to offer **Object Oriented Analysis and Design** as a **Professional Elective- II** (R20 Syllabus), and **MEAN Stack Development (Job Oriented)** subject as **Open Elective- II** offered by parent department for the academic year 2022-23. Student roll lists for electives are enclosed.

B. John
HOD CSE 12/12/22

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Department of Computer Science and Engineering



Date: 07/12/2022

CIRCULAR

The following subjects are offered as elective subjects for III/IV B.TECH, II Semester Computer Science and Engineering students for the academic year 2022-23 (R20 Regulation) by the JNTUK University. Hence all the students are instructed to choose the **Professional Elective-II** and **Open Elective-II (Inter Disciplinary/Job Oriented)**, subjects among the options in the given proforma, on or before 10/12/2022. The syllabus copies are enclosed.

Professional Elective-II

1. Mobile Computing
2. Big Data Analytics
3. Object Oriented Analysis and Design
4. Network Programming

Open Elective- II

Open Electives offered by other departments/ MEAN Stack Development (Job Oriented)

B. Srinivas
HOD CSE

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
KAKINADA - 533 003, Andhra Pradesh, India

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

COURSE STRUCTURE AND SYLLABUS

For UG -R20

B. TECH - COMPUTER SCIENCE & ENGINEERING

(Applicable for batches admitted from 2020-2021)



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

KAKINADA - 533 003, Andhra Pradesh, India

A handwritten signature in green ink, likely belonging to the Principal of SRK Institute of Technology.

PRINCIPAL
SRK INSTITUTE OF TECHNOLOGY
ENIKERAPU, VIJAYAWADA-521 103.

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
KAKINADA - 533 003, Andhra Pradesh, India

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

III B. Tech - II Semester

S.No	Course Code	Courses	Hours per week			Credits
			L	T	P	
1	PC	Machine Learning	3	0	0	3
2	PC	Compiler Design	3	0	0	3
3	PC	Cryptography and Network Security	3	0	0	3
4	PE	Professional Elective-II 1.Mobile Computing 2.Big Data Analytics 3.Object Oriented Analysis and Design 4.Network Programming	3	0	0	3
5	Open Elective /Job Oriented	Open Elective-II Open Electives offered by other departments/ MEAN Stack Development (Job Oriented)	3	0	0	3
6	PC	Machine Learning using Python Lab	0	0	3	1.5
7	PC	Compiler Design Lab	0	0	3	1.5
8	PC	Cryptography and Network Security Lab	0	0	3	1.5
9	SO	Skill Oriented Course - IV 1.Big Data:Spark OR 2.MEAN Stack Technologies-Module I (HTML 5, JavaScript, Node.js, Express.js and TypeScript)	0	0	4	2
10	MC	Employability skills-II	2	0	0	0
Total credits						21.5
Industrial/Research Internship(Mandatory) 2 Months during summer vacation						
11	Minor	Data Structures and Algorithms ^s	3	0	2	3+1
12	Honors	Any course from the Pool, as per the opted track	4	0	0	4
Minor course through SWAYAM			-	-	-	2

- Integrated Course



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LIST OF ELECTIVES OFFERED & CHOICE EXERCISED BY STUDENTS

Academic Year: 2022-23

Year/ Semester: III/II Section-I

S No	ROLL NO	Professional Elective- II				Open Elective II		Signature if the student
		MC	BDA	OOAD	NP	Other Dept	MSD	
1	20X41A0501			✓			✓	A. Dhavani
2	20X41A0503			✓			✓	B. Harika
3	20X41A0504			✓			✓	B. SWEETY
4	20X41A0505			✓			✓	CH. Sankitha
5	20X41A0506			✓			✓	CH. Rupa Sri
6	20X41A0507			✓			✓	CH. Srujan Pradhan
7	20X41A0508			✓			✓	Ch. Srinivasa
8	20X41A0509			✓			✓	Ch. Shreya
9	20X41A0510			✓			✓	Ch. Jyothi
10	20X41A0511			✓			✓	Ch. Sakshi
11	20X41A0513			✓			✓	Ch. M.P. Babu
12	20X41A0514			✓			✓	G.R.N.S. Rajan
13	20X41A0515			✓			✓	G. Vandhyani
14	20X41A0516			✓			✓	G. Jayeeswari
15	20X41A0518			✓			✓	G. Phani
16	20X41A0519			✓			✓	G. Vijayalakshmi
17	20X41A0520			✓			✓	G. Sravani
18	20X41A0521			✓			✓	G. Jayanthi
19	20X41A0522			✓			✓	J. Harika
20	20X41A0523			✓			✓	K. Pavan
21	20X41A0524			✓			✓	K. Saikrishna
22	20X41A0526			✓			✓	K. Ananya
23	20X41A0527			✓			✓	K. Nikhitha
24	20X41A0528			✓			✓	K. Sri
25	20X41A0529							
26	20X41A0530			✓			✓	K. Lakshitha
27	20X41A0531			✓			✓	L. Babakrishna
28	20X41A0532			✓			✓	L. Shila
29	20X41A0533			✓			✓	M. Hemalata
30	20X41A0534			✓			✓	M. Sai Rama
31	20X41A0535							
32	20X41A0536							
33	20X41A0537			✓			✓	M. Tyagwini


 B. Lakshmi
 HOD/DCS
 12/12/22



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S No	ROLL NO	Professional Elective- II				Open Elective II		Signature if the student
		MC	BDA	OOAD	NP	Other Dept	MSD	
34	20X41A0538			✓			✓	M. Pramy
35	20X41A0539							
36	20X41A0540			✓			✓	W. Saijath Kumar
37	20X41A0541			✓			✓	M. Uma Sri
38	20X41A0542			✓			✓	N. Jnana Charan
39	20X41A0543			✓			✓	X. Lavleen Begum
40	20X41A0544							
41	20X41A0545			✓			✓	R. I.
42	20X41A0546							
43	20X41A0547			✓			✓	S. Sreetha
44	20X41A0548			✓			✓	P. Sanali
45	20X41A0549			✓			✓	P. Anwar
46	20X41A0550			✓			✓	P. Sunanth
47	20X41A0551			✓			✓	R. Anand
48	20X41A0552			✓			✓	S. Suresh
49	20X41A0553			✓			✓	S. Sulliyoz
50	20X41A0554			✓			✓	J. Anjali
51	20X41A0555			✓			✓	S. Anand
52	20X41A0556			✓			✓	T. Thara
53	20X41A0557			✓			✓	T. Nani
54	20X41A0558			✓			✓	S. Darul Hameed
55	20X41A0559			✓			✓	T. Anag Anandini
56	20X41A0560			✓			✓	W. Chandan
57	20X41A0561			✓			✓	V. Anji
58	20X41A0562			✓			✓	V. Anand
59	20X41A0563							
60	20X41A0564			✓			✓	S. Anand
61	21X45A0501			✓			✓	S. Anand
62	21X45A0502			✓			✓	J. Anand
63	21X45A0503			✓			✓	S. Anand
64	21X45A0504			✓			✓	S. Anand
65	21X45A0505			✓			✓	E. Anand
66	21X45A0506			✓			✓	A. Anand

B. Anand
 HOD/Date 12/12/22

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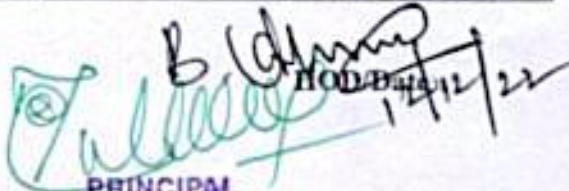


LIST OF ELECTIVES OFFERED & CHOICE EXERCISED BY STUDENTS

Academic Year: 2022-23

Year/ Semester: III/II Section-II

S No	ROLL NO	Professional Elective- II				Open Elective II		Signature if the student
		MC	BDA	OOAD	NP	Other Dept	MSD	
1	20X41A0565			✓			✓	Ab. Raheem
2	20X41A0566			✓			✓	A. Sonikantbana
3	20X41A0567			✓			✓	A. Nikitha
4	20X41A0568			✓			✓	E. Divyasa
5	20X41A0569			✓			✓	A. Manika
6	20X41A0570			✓			✓	B. Prasad Ravathi
7	20X41A0571			✓			✓	B. Surendra Sai
8	20X41A0572			✓			✓	B. Anubharathi
9	20X41A0573			✓			✓	Y. Balakrishna
10	20X41A0574			✓			✓	B. Jagan
11	20X41A0575			✓			✓	B. Devi Sree
12	20X41A0576			✓			✓	Ch. Rakshi
13	20X41A0577			✓			✓	Ch. Sneetha
14	20X41A0578			✓			✓	Ch. Srividya
15	20X41A0579			✓			✓	D. Kavya
16	20X41A0580			✓			✓	D. Chaitanya
17	20X41A0581			✓			✓	C. Sanjitha
18	20X41A0582			✓			✓	G. Hemalatha
19	20X41A0583			✓			✓	G. Deepa Sai
20	20X41A0584			✓			✓	K. Hemalatha
21	20X41A0585			✓			✓	K. Sumanjitha
22	20X41A0586			✓			✓	K. Tejaswini
23	20X41A0587			✓			✓	K. Nithya Datta
24	20X41A0588			✓			✓	K. Balanaradhini
25	20X41A0589			✓			✓	K. Anuradha
26	20X41A0590			✓			✓	K. Anuradha
27	20X41A0591			✓			✓	K. Anuradha
28	20X41A0592			✓			✓	K. Anuradha
29	20X41A0593			✓			✓	K. Anuradha
30	20X41A0594			✓			✓	K. Anuradha
31	20X41A0595			✓			✓	K. Anuradha
32	20X41A0596			✓			✓	K. Anuradha


 B. Chaitanya
 HOD
 14/12/22
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S No	ROLL NO	Professional Elective- II				Open Elective II		Signature if the student
		MC	BDA	OOAD	NP	Other Dept	MSD	
33	20X41A0597			✓			✓	K. Geetha
34	20X41A0598			✓			✓	K. Tejal
35	20X41A0599			✓			✓	K. Anjali
36	20X41A05A0			✓			✓	M. Ganesh
37	20X41A05A1			✓			✓	M. Srinivas
38	20X41A05A2			✓			✓	M. Subhama
39	20X41A05A3			✓			✓	M. Sravan
40	20X41A05A4			✓			✓	M. Saravani
41	20X41A05A5			✓			✓	A. Rahman
42	20X41A05A6			✓			✓	M. Jeeva
43	20X41A05A7			✓			✓	M. P. Prasad
44	20X41A05A8			✓			✓	M. Mahesh
45	20X41A05A9			✓			✓	P. Ananta
46	20X41A05B0			✓			✓	P. Srujan
47	20X41A05B1			✓			✓	P. Sagar
48	20X41A05B2			✓			✓	P. Akash
49	20X41A05B3			✓			✓	P. Rajesh
50	20X41A05B4			✓			✓	R. Mahalakshmi
51	20X41A05B5			✓			✓	S. Lakshmi
52	20X41A05B6			✓			✓	S. B. Srinivas
53	20X41A05B7			✓			✓	S. Anjali
54	20X41A05B8			✓			✓	S. Sanjay
55	20X41A05B9			✓			✓	T. Sireetha
56	20X41A05C0			✓			✓	S. K. Subudha
57	20X41A05C1			✓			✓	T. Sruithi
58	20X41A05C2			✓			✓	V. Teja
59	20X41A05C3			✓			✓	V. Bharan
60	20X41A05C4			✓			✓	V. Subhanya
61	20X41A05C5			✓			✓	V. Narendran
62	20X41A05C6			✓			✓	V. Chintu
63	20X41A05C7			✓			✓	V. Haroon Kumar
64	20X41A05C8			✓			✓	V. Nani Teja
65	20X41A05C9			✓			✓	V. Subhitha
66	21X45A0507			✓			✓	P. Ananta

B. Srinivas
 HOOD
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Department of Computer Science and Engineering



S No	ROLL NO	Professional Elective- II				Open Elective-II		Signature if the student
		MC	BDA	OOAD	NP	Other Dept	MSD	
67	21X45A0508			✓			✓	T. Keerthi
68	21X45A0509			✓			✓	A. Vishnu Prayanka
69	21X45A0510			✓			✓	T. Neena Chaitanya
70	21X45A0511			✓			✓	M. Sathish
71	21X45A0512			✓			✓	Krishami Rani

B. Ghanta
HOD/Date 12/12

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Department of Computer Science and Engineering



CIRCULAR

Date: 20/06/2022

This is to inform all the students of IV/ IV B.TECH, I Semester, Computer Science and Engineering, that as per the options given by the students, the departmental academic committee decided to offer **Software Project Management** as a Professional Elective- III (R19 Syllabus), **Cloud Computing** as a Professional Elective- IV offered by parent department and **Embedded Systems** subject as Open Elective- I (Inter Disciplinary) offered by Electronics and Communications Engineering for the academic year 2022-23. Student roll lists for electives are enclosed.

B. Lakshmi
HOD CSE 20/6/22

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T. Srinivas

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Department of Computer Science and Engineering



Date: 13/06/2022

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The following subjects are offered as elective subjects for IV/IV B.TECH, I Semester Computer Science and Engineering students for the academic year 2022-23 (R19 Regulation) by the JNTUK University. Hence all the students are instructed to choose the **Professional Elective- III, Professional Elective- IV and Open Elective- II (Inter Disciplinary)** subjects among the options in the given proforma, on or before 17/06/2022. The syllabus copies are enclosed.

Professional Elective- III (PE4101)

1. Mobile Computing
2. Data Science
3. No SQL Databases
4. Internet of Things
5. Software Project Management

Professional Elective- IV (PE4102)

1. Web Services
2. Cloud Computing
3. Mean Stack Technologies
4. Ad-hoc and Sensor Networks
5. Cyber Security & Forensics

Open Elective- I (Inter Disciplinary) ECE

- OE 1 Principles of communication
- OE 2 Embedded Systems

B. Lakshmi
HOD CSE 13/6/22

Palbally

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY: KAKINADA
KAKINADA – 533 003, Andhra Pradesh, India

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

COURSE STRUCTURE AND SYLLABUS

For

B. Tech COMPUTER SCIENCE & ENGINEERING

(Applicable for batches admitted from 2019-2020)



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY: KAKINADA
KAKINADA - 533 003, Andhra Pradesh, India

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ENIKEMDU, VJAYAWADA-521



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY: KAKINADA
KAKINADA – 533 003, Andhra Pradesh, India

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
IV Year – I SEMESTER

S.No	Course Code	Courses	L	T	P	Credits
1	CS4101	Cryptography and Network Security	3	0	0	3
2	CS4102	UML & Design Patterns	3	0	0	3
3	CS4103	Machine Learning	3	0	0	3
4	OE4101	Open Elective -II (Inter Disciplinary)	3	0	0	3
5	PE4101	Professional Elective- III 1. Mobile Computing 2. Data Science 3. NoSQL Databases 4. Internet of Things 5. Software Project Management	3	0	0	3
6	PE4102	Professional Elective- IV 1. Web Services 2. Cloud Computing 3. Mean Stack Technologies 4. Ad-hoc and Sensor Networks 5. Cyber Security & Forensics	3	0	0	3
7	CS4104	UML Lab #	0	0	2	1
8	PR4101	Project- I	0	0	0	2
9	MC4101	IPR & Patents	3	0	0	0
Total			21	0	2	21

Relevant theory to be taught in the lab

IV Year – II SEMESTER

S.No	Course Code	Courses	L	T	P	Credits
1	HS4201	Management and Organizational Behavior	3	0	0	3
2	OE4201	Open Elective- III (Inter Disciplinary)	3	0	0	3
3	PE4201	Professional Elective-V 1. Deep Learning 2. Quantum Computing 3. DevOps 4. Blockchain Technologies 5. Big Data Analytics	3	0	0	3
4	PR4201	Project- II	0	0	0	7
Total			9	0	0	16

(Handwritten Signature)



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 Department of Computer Science and Engineering



LIST OF ELECTIVES OFFERED & CHOICE EXERCISED BY STUDENTS

Academic Year: 2022-23

Year/ Semester: IV/ I Section-I

S No	ROLL NO	Professional Elective- III					Professional Elective- IV					Open Elective I (Inter Disciplinary) ECE		Signature of the Student
		MC	DS	No SQL	IOT	SPM	WS	CC	MST	Adh SN	CS & F	PC	ES	
1	19X41A0501					✓		✓					✓	A. Srishta
2	19X41A0502					✓		✓					✓	B. Ananya
3	19X41A0503					✓		✓					✓	A. Vinitha
4	19X41A0504					✓		✓					✓	A. Harvathi
5	19X41A0505					✓		✓					✓	B. Teja
6	19X41A0506					✓		✓					✓	B. Harvathi
7	19X41A0507					✓		✓					✓	B. Harvathi
8	19X41A0508					✓		✓					✓	B. Harvathi
9	19X41A0509					✓		✓					✓	B. Harvathi
10	19X41A0510					✓		✓					✓	B. Harvathi
11	19X41A0511					✓		✓					✓	Ravi
12	19X41A0512					✓		✓					✓	B. Harvathi
13	19X41A0513					✓		✓					✓	B. Harvathi
14	19X41A0514					✓		✓					✓	B. Harvathi
15	19X41A0515					✓		✓					✓	B. Harvathi
16	19X41A0516					✓		✓					✓	B. Harvathi
17	19X41A0517					✓		✓					✓	B. Harvathi

[Signature]
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S No	ROLL NO	Professional Elective- III					Professional Elective- IV					Open Elective I (Inter Disciplinary) ECE		Signature of the Student
		MC	DS	No SQL	IOT	SPM	WS	CC	MST	Adh SN	CS &F	PC	ES	
18	19X41A0518					✓		✓					✓	Vanitha
19	19X41A0519					✓		✓					✓	Sri
20	19X41A0520					✓		✓					✓	Devan
21	19X41A0521					✓		✓					✓	Deepthi
22	19X41A0522					✓		✓					✓	Divyashree
23	19X41A0523					✓		✓					✓	Pr
24	19X41A0524					✓		✓					✓	Krish
25	19X41A0525					✓		✓					✓	At
26	19X41A0526					✓		✓					✓	Kamya
27	19X41A0527					✓		✓					✓	Pooja
28	19X41A0528					✓		✓					✓	Gulikilla
29	19X41A0529					✓		✓					✓	Chand
30	19X41A0530					✓		✓					✓	G. Hemavathi
31	19X41A0531					✓		✓					✓	Cloud
32	19X41A0532					✓		✓					✓	Pr
33	19X41A0533					✓		✓					✓	Sri
34	19X41A0534					✓		✓					✓	Yogesh
35	19X41A0535					✓		✓					✓	Ramchandrababu
36	19X41A0536	✓				✓		✓					✓	KRajya

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S No	ROLL NO	Professional Elective- III					Professional Elective- IV					Open Elective I (Inter Disciplinary) ECE		Signature of the Student
		MC	DS	No SQL	IOT	SPM	WS	CC	MST	Adh SN	CS & F	PC	ES	
37	19X41A0537					✓		✓					✓	R. Prathigaha
38	19X41A0538					✓		✓					✓	M. Pavani
39	19X41A0539					✓		✓					✓	M. Sujatha
40	19X41A0540					✓		✓					✓	P. Anitha
41	19X41A0541					✓		✓					✓	M. Baijesh
42	19X41A0542					✓		✓					✓	M. Gunthika
43	19X41A0543					✓		✓					✓	H. Nandee
44	19X41A0544					✓		✓					✓	M. Geetha
45	19X41A0545					✓		✓					✓	R. Divi
46	19X41A0546					✓		✓					✓	M. Jyoti
47	19X41A0547					✓		✓					✓	M. Kalpana
48	19X41A0548					✓		✓					✓	P. Jayashree
49	19X41A0549					✓		✓					✓	A. Anand
50	19X41A0550					✓		✓					✓	P. Anand
51	19X41A0551					✓		✓					✓	P. Soumya
52	19X41A0552					✓		✓					✓	P. Alekhya
53	19X41A0553					✓		✓					✓	P. Vanidha
54	19X41A0554					✓		✓					✓	P. Janiya
55	19X41A0555					✓		✓					✓	S. Preetha

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		Professional Elective- III					Professional Elective- IV					Open Elective I (Inter Disciplinary) ECE		Signature of the Student
		MC	DS	No SQL	IOT	SPM	WS	CC	MST	Adh SN	CS &F	PC	ES	
56	19X41A0556					✓		✓					✓	Bhuvanika
57	19X41A0557					✓		✓					✓	Prof
58	19X41A0558					✓		✓					✓	S.K. Khanna
59	19X41A0560					✓		✓					✓	R. V. Jayaram
60	19X41A0561					✓		✓					✓	V. Umadevi
61	19X41A0562					✓		✓					✓	Pran
62	19X41A0563					✓		✓					✓	Aswini
63	19X41A0564					✓		✓					✓	Bhargavi

(Signature)

(Signature)
HOD/Date

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LIST OF ELECTIVES OFFERED & CHOICE EXERCISED BY STUDENTS

Academic Year: 2022-23

Year/ Semester: IV/I Section-II

S No	ROLL NO	Professional Elective- III					Professional Elective- IV					Open Elective I (Inter Disciplinary) ECE		Signature of the Student
		MC	DS	No SQL	IOT	SPM	WS	CC	MST	Adh SN	CS & F	PC	ES	
1	19X41A0565					✓		✓					✓	Varun
2	19X41A0566					✓		✓					✓	Ashwini
3	19X41A0567					✓		✓					✓	Pranav
4	19X41A0568					✓		✓					✓	Pranav
5	19X41A0570					✓		✓					✓	Pranav
6	19X41A0571					✓		✓					✓	Pranav
7	19X41A0572					✓		✓					✓	Pranav
8	19X41A0573					✓		✓					✓	Pranav
9	19X41A0574					✓		✓					✓	Pranav
10	19X41A0575					✓		✓					✓	Pranav
11	19X41A0576					✓		✓					✓	Pranav
12	19X41A0577					✓		✓					✓	Pranav
13	19X41A0578					✓		✓					✓	Pranav
14	19X41A0579					✓		✓					✓	Pranav
15	19X41A0580					✓		✓					✓	Pranav
16	19X41A0581					✓		✓					✓	Pranav

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S No	ROLL NO	Professional Elective- III					Professional Elective- IV					Open Elective I (Inter Disciplinary) ECE		Signature of the Student
		MC	DS	No SQL	IOT	SPM	WS	CC	MST	Adh SN	CS & F	PC	ES	
18	19X41A0582					✓		✓					✓	Mansi
19	19X41A0583					✓		✓					✓	Praveen
20	19X41A0584					✓		✓					✓	Rhe
21	19X41A0585					✓		✓					✓	SD
22	19X41A0586					✓		✓					✓	A. Jais
23	19X41A0587					✓		✓					✓	M. Sanyal
24	19X41A0588					✓		✓					✓	M. Sanyal
25	19X41A0589					✓		✓					✓	M. Sanyal
26	19X41A0590					✓		✓					✓	M. Sanyal
27	19X41A0591					✓		✓					✓	Harsh
28	19X41A0592					✓		✓					✓	Harsh
29	19X41A0593					✓		✓					✓	Harsh
30	19X41A0594					✓		✓					✓	Harsh
31	19X41A0595					✓		✓					✓	Harsh
32	19X41A0596					✓		✓					✓	Harsh
33	19X41A0597					✓		✓					✓	Harsh
34	19X41A0598					✓		✓					✓	Harsh
35	19X41A0599					✓		✓					✓	Harsh
36	19X41A05A0					✓		✓					✓	Harsh

Harsh

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S No	ROLL NO	Professional Elective- III					Professional Elective- IV					Open Elective I (Inter Disciplinary) ECE		Signature of the Student
		MC	DS	No SQL	IOT	SPM	WS	CC	MST	Adh SN	CS & F	PC	ES	
37	19X41A05A1					✓		✓					✓	S. Pragna
38	19X41A05A2					✓		✓					✓	Same Durga
39	19X41A05A3					✓		✓					✓	Ujjal
40	19X41A05A4					✓		✓					✓	M. Gopi
41	19X41A05A5					✓		✓					✓	Pragnit
42	19X41A05A6					✓		✓					✓	Pooja
43	19X41A05A7					✓		✓					✓	K. Pragna
44	19X41A05A8					✓		✓					✓	S. Keshava
45	19X41A05A9					✓		✓					✓	S. Pragna
46	19X41A05B0					✓		✓					✓	Suhana
47	19X41A05B1					✓		✓					✓	S. Pragna
48	19X41A05B2					✓		✓					✓	M. Gopi
49	19X41A05B3					✓		✓					✓	K. Pragna
50	19X41A05B4					✓		✓					✓	K. Pragna
51	19X41A05B5					✓		✓					✓	K. Pragna
52	19X41A05B6					✓		✓					✓	S. Pragna
53	19X41A05B7					✓		✓					✓	Sai
54	19X41A05B8					✓		✓					✓	Sai
55	19X41A05B9					✓		✓					✓	V. Pragna


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		Professional Elective- III					Professional Elective- IV					Open Elective I (Inter Disciplinary) ECE		Signature of the Student	
		MC	DS	No SQL	IOT	SPM	WS	CC	MST	Adh SN	CS & F	PC	ES		
56	19X41A05C0					✓		✓							Sri
57	20X45A0501					✓		✓					✓		Prath
58	20X45A0502					✓		✓					✓		Prath
59	20X45A0503					✓		✓					✓		Prath
60	20X45A0504					✓		✓					✓		Prath
61	20X45A0505					✓		✓					✓		Prath
62	20X45A0506					✓		✓					✓		Prath
63	20X45A0507					✓		✓					✓		T. Lavani
64	20X45A0508					✓		✓					✓		Sri
65	20X45A0509					✓		✓					✓		Prath

B. [Signature]
HOD/Date

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Date: 11/07/2022

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The following subjects are offered as elective subjects for III/IV B.TECH, I Semester Computer Science and Engineering students for the academic year 2022-23 (R20 Regulation) by the JNTUK University. Hence all the students are instructed to choose the **Open Elective- I (Inter Disciplinary)**, **Professional Elective-I** subjects among the options in the given proforma, on or before 16/07/2022. The syllabus copies are enclosed.

Professional Elective- I

1. Artificial Intelligence
2. Software Project Management
3. Distributed Systems
4. Advanced UNIX Programming

Open Elective- I

Open Electives offered by other departments/ Optimization in Operations Research

B. Chandra
HOD CSE 11/7/22

Paulineey

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CIRCULAR

Date: 18/07/2022

This is to inform all the students of III/ IV B.TECH, I Semester, Computer Science and Engineering, that as per the options given by the students, the departmental academic committee decided to offer **Software Project Management** as a Professional Elective- I (R20 Syllabus), offered by parent department and **Optimization in Operations Research** subject as Open Elective- I (Inter Disciplinary) offered by Science and Humanities Department for the academic year 2022-23. Student roll lists for electives are enclosed.

B. Chandra
HOD CSE 18/7/22

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P. Sree

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
KAKINADA - 533 003, Andhra Pradesh, India

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

COURSE STRUCTURE AND SYLLABUS

For UG -R20

B. TECH - COMPUTER SCIENCE & ENGINEERING

(Applicable for batches admitted from 2020-2021)



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

KAKINADA - 533 003, Andhra Pradesh, India

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
KAKINADA - 533 003, Andhra Pradesh, India

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

III B. Tech - I Semester						
S.No	Course Code	Courses	Hours per week			Credits
			L	T	P	C
1	PC	Computer Networks	3	0	0	3
2	PC	Design and Analysis of Algorithms	3	0	0	3
3	PC	Data Warehousing and Data Mining	3	0	0	3
4	Open Elective / Job Oriented	Open Elective-I Open Electives offered by other departments/ Optimization in Operations Research (Job oriented course)	3	0	0	3
5	PE	Professional Elective-I Artificial Intelligence Software Project Management Distributed Systems Advanced Unix Programming	3	0	0	3
6	PC	Data Warehousing and Data Mining Lab	0	0	3	1.5
7	PC	Computer Networks Lab	0	0	3	1.5
8	SO	Skill Oriented Course - III 1. Animation course: Animation Design OR 2. Continuous Integration and Continuous Delivery using DevOps	0	0	4	2
9	MC	Employability Skills-I	2	0	0	0
10	PR	Summer Internship 2 Months (Mandatory) after second year (to be evaluated during V semester)	0	0	0	1.5
Total credits						21.5
11	Minor	Database Management Systems ¹	3	0	2	3+1
12	Honors	Any course from the Pool, as per the opted track	4	0	0	4

S- Integrated Course

(Signature)

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 Department of Computer Science and Engineering



LIST OF ELECTIVES OFFERED & CHOICE EXERCISED BY STUDENTS

Academic Year: 2022-23

Year/ Semester: III/I Section-I

S No	ROLL NO	Professional Elective- I				Open Elective I		Signature if the student
		AI	SPM	DS	Adv Unix	Other Dept	OOR	
1	20X41A0501		✓				✓	J. Bhavani
2	20X41A0503		✓				✓	B. Harika
3	20X41A0504		✓				✓	B. Sheety.
4	20X41A0505		✓				✓	M. Subhika
5	20X41A0506		✓				✓	CH. Rupa
6	20X41A0507		✓				✓	Surya
7	20X41A0508		✓				✓	Ch. Theerthwan
8	20X41A0509		✓				✓	Ch. Bhavya
9	20X41A0510		✓				✓	Ch. Sri Lakshmi
10	20X41A0511		✓				✓	Ch. Lakshmi
11	20X41A0513		✓				✓	neela
12	20X41A0514		✓				✓	G. Rupa
13	20X41A0515		✓				✓	G. Lakshmi
14	20X41A0516		✓				✓	S. Sreerama
15	20X41A0518		✓				✓	G. Sri
16	20X41A0519		✓				✓	G. Vijayalakshmi
17	20X41A0520		✓				✓	Sravani
18	20X41A0521		✓				✓	G. Lakshmi
19	20X41A0522		✓				✓	S. Lakshmi
20	20X41A0523		✓				✓	Priya
21	20X41A0524		✓				✓	K. Sri Lakshmi
22	20X41A0526		✓				✓	K. Aparna
23	20X41A0527		✓				✓	K. Nikhitha
24	20X41A0528		✓				✓	S. Sri
25	20X41A0529		✓				✓	Pritya
26	20X41A0530		✓				✓	L. Chaitra
27	20X41A0531		✓				✓	Saba
28	20X41A0532		✓				✓	Sru
29	20X41A0533		✓				✓	Hemra Sri
30	20X41A0534		✓				✓	M. Sakshi
31	20X41A0535		✓				✓	Ravi Teja
32	20X41A0536		✓				✓	Carini
33	20X41A0537		✓				✓	M. Tejaswini

B.
 HOD/Date

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(ISO 9001:2015 Certified Institution)
Department of Computer Science and Engineering



S No	ROLL NO	Professional Elective- I				Open Elective I		Signature if the student
		AI	SPM	DS	Adv Unix	Other Dept	OOR	
34	20X41A0538		✓				✓	Ranya
35	20X41A0539		✓				✓	Ayesha
36	20X41A0540		✓				✓	Sathyaram
37	20X41A0541		✓				✓	M. Umithi
38	20X41A0542		✓				✓	N. Inana Charan
39	20X41A0543		✓				✓	Shreeniwas
40	20X41A0544		✓				✓	Dhishah
41	20X41A0545		✓				✓	Tej
42	20X41A0546		✓				✓	P. Murdula
43	20X41A0547		✓				✓	P. Sumantha
44	20X41A0548		✓				✓	P. Sorali Birche
45	20X41A0549		✓				✓	P. Manasa
46	20X41A0550		✓				✓	P. Gunitha
47	20X41A0551		✓				✓	P. Kanavya
48	20X41A0552		✓				✓	S. Sruthi
49	20X41A0553		✓				✓	Prithika
50	20X41A0554		✓				✓	Swathi
51	20X41A0555		✓				✓	S. Anand
52	20X41A0556		✓				✓	Tharalatha
53	20X41A0557		✓				✓	Nagendra Babu
54	20X41A0558		✓				✓	J. Nandini
55	20X41A0559		✓				✓	Chandee
56	20X41A0560		✓				✓	Gopi
57	20X41A0561		✓				✓	V. Anuradha
58	20X41A0562		✓				✓	Y. Jeebeth
59	20X41A0563		✓				✓	Manasa
60	20X41A0564		✓				✓	P. Harsha
61	21X45A0501		✓				✓	J. Dhoni Reda
62	21X45A0502		✓				✓	Geetha
63	21X45A0503		✓				✓	Sar Laksh
64	21X45A0504		✓				✓	E. Vishnu Priya
65	21X45A0505		✓				✓	A. Sa. Ram
66	21X45A0506		✓				✓	

B. Lakshmi
HOD/Date

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LIST OF ELECTIVES OFFERED & CHOICE EXERCISED BY STUDENTS

Academic Year: 2022-23

Year/ Semester: III/I Section-II

S No	ROLL NO	Professional Elective- I				Open Elective I		Signature if the student
		AI	SPM	DS	Adv Unix	Other Dept	OOR	
1	20X41A0565		✓				✓	M. Jeevan
2	20X41A0566		✓				✓	A. Sankeerthana
3	20X41A0567		✓				✓	A. Nikitha
4	20X41A0568		✓				✓	A. Divyalai
5	20X41A0569		✓				✓	Mouhitha
6	20X41A0570		✓				✓	Poornima
7	20X41A0571		✓				✓	B. Surendra Sai
8	20X41A0572		✓				✓	B. Ganesh
9	20X41A0573		✓				✓	J. Balakavathi
10	20X41A0574		✓				✓	Jaswanth
11	20X41A0575		✓				✓	B. Divya
12	20X41A0576		✓				✓	K. Kavya
13	20X41A0577		✓				✓	G. Subhakarini
14	20X41A0578		✓				✓	A. Sathya
15	20X41A0579		✓				✓	Krishna D
16	20X41A0580		✓				✓	D. Chakri
17	20X41A0581		✓				✓	Sannakata
18	20X41A0582		✓				✓	G. Hemalatha
19	20X41A0583		✓				✓	Devi Sai
20	20X41A0584		✓				✓	Devi Sai
21	20X41A0585		✓				✓	Devi Sai
22	20X41A0586		✓				✓	Sannakata
23	20X41A0587		✓				✓	Teja Srinivas
24	20X41A0588		✓				✓	Nithin Teja
25	20X41A0589		✓				✓	K. Balasubini
26	20X41A0590		✓				✓	K. Kanthi
27	20X41A0591		✓				✓	J. Anjali
28	20X41A0592		✓				✓	J. Anjali
29	20X41A0593		✓				✓	Lakshmi
30	20X41A0594		✓				✓	Vamsi Krishna
31	20X41A0595		✓				✓	K. Anjali
32	20X41A0596		✓				✓	K. Anjali

B. S. Srinivas
 HOD/Date

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Department of Computer Science and Engineering



S No	ROLL NO	Professional Elective- I				Open Elective I		Signature if the student
		AI	SPM	DS	Adv Unix	Other Dept	OOR	
33	20X41A0597		✓				✓	Lavanya
34	20X41A0598		✓				✓	Jasmin Jell
35	20X41A0599		✓				✓	Lasya
36	20X41A05A0		✓				✓	M. Banesh
37	20X41A05A1		✓				✓	M. Srinivas
38	20X41A05A2		✓				✓	Sushruth
39	20X41A05A3		✓				✓	M. Sravan
40	20X41A05A4		✓				✓	M. Sravan
41	20X41A05A5		✓				✓	AR. Prabha
42	20X41A05A6		✓				✓	Divya
43	20X41A05A7		✓				✓	M. Prabhana
44	20X41A05A8		✓				✓	N. Mohan Babu
45	20X41A05A9		✓				✓	P. Srinivas
46	20X41A05B0		✓				✓	P. Srinivas
47	20X41A05B1		✓				✓	Srinivasa
48	20X41A05B2		✓				✓	T. Anish
49	20X41A05B3		✓				✓	R. Rajesh
50	20X41A05B4		✓				✓	D. Mahalakshmi
51	20X41A05B5		✓				✓	S. Lakshmi
52	20X41A05B6		✓				✓	S. Prabhakar
53	20X41A05B7		✓				✓	S. Manoj
54	20X41A05B8		✓				✓	S. Sathi
55	20X41A05B9		✓				✓	T. Sireetha
56	20X41A05C0		✓				✓	S. Jeevitha
57	20X41A05C1		✓				✓	T. Swathi
58	20X41A05C2		✓				✓	V. Teja
59	20X41A05C3		✓				✓	V. Richaran
60	20X41A05C4		✓				✓	V. Surya Teja
61	20X41A05C5		✓				✓	Narendra
62	20X41A05C6		✓				✓	Channa
63	20X41A05C7		✓				✓	V. Anvesh Kumar
64	20X41A05C8		✓				✓	V. Mani Teja
65	20X41A05C9		✓				✓	K. Anish
66	21X45A0507		✓				✓	B. Ashok

[Signature]
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Department of Computer Science and Engineering



S No	ROLL NO	Professional Elective- I				Open Elective I		Signature if the student
		AI	SPM	DS	Adv Unix	Other Dept	OOR	
67	21X45A0508		✓				✓	T. Keerthi
68	21X45A0509		✓				✓	P. Sanyam
69	21X45A0510		✓				✓	T. Neelapriya
70	21X45A0511		✓				✓	M. Gnantham
71	21X45A0512		✓				✓	K. Jhanvi Rani

[Signature]
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Department of Computer Science and Engineering
(Artificial Intelligence & Machine Learning)



CIRCULAR

Date: 12/12/2022

This is to inform all the students of III/ IV B.TECH, I Semester, Computer Science and Engineering (AI & ML), that as per the options given by the students, the departmental academic committee decided to offer **Software Project Management** as a Professional Elective-II (R20 Syllabus), offered by parent department and **MEAN Stack Development (Job Oriented)** subject as **Open Elective-II** offered by parent Department for the academic year 2022-23. Student roll lists for electives are enclosed.

B. [Signature]
HOD 12/12/22

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Department of Computer Science and Engineering
(Artificial Intelligence & Machine Learning)



Date: 07/12/2022

CIRCULAR

The following subjects are offered as elective subjects for III/IV B.TECH, II Semester Computer Science and Engineering (AI & ML) students for the academic year 2022-23 (R20 Regulation) by the JNTUK University. Hence all the students are instructed to choose the **Professional Elective-I** and **Open Elective- I (Inter Disciplinary)**, subjects among the options in the given proforma, on or before 10/12/2022. The syllabus copies are enclosed.

Professional Elective-II

1. Software Project Management
2. Distributed Systems
3. Internet of Things
4. Network Programming

Open Elective-II

Open Electives offered by other departments/ MEAN Stack Development (Job Oriented)

B. Lakshmi
HOD 7/12/22

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
KAKINADA - 533 003, Andhra Pradesh, India

DEPARTMENT OF CSE - ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

COURSE STRUCTURE AND SYLLABUS

For UG - R20

B. Tech - COMPUTER SCIENCE AND ENGINEERING with Specialization

Common to

- (i) **CSE (ARTIFICIAL INTELLIGENCE and MACHINE LEARNING)-Branch Code:42**
- (ii) **ARTIFICIAL INTELLIGENCE and MACHINE LEARNING - Branch Code: 61**

(Applicable for batches admitted from 2020-2021)



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

KAKINADA - 533 003, Andhra Pradesh, India

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
KAKINADA – 533 003, Andhra Pradesh, India

DEPARTMENT OF CSE - ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

III B. Tech – II Semester						
S.No	Course Code	Courses	Hours per week			Credits
			L	T	P	
1	PC	Computer Networks	3	0	0	3
2	PC	Deep Learning	3	0	0	3
3	PC	Design and Analysis of Algorithms	3	0	0	3
4	PE	Professional Elective-II 1. Software Project Management 2. Distributed Systems 3. Internet of Things 4. Network Programming	3	0	0	3
5	Open Elective/Job Oriented	Open Elective-II Open Electives offered by other departments/ MEAN Stack Development (Job Oriented Course)	3	0	0	3
6	PC	Computer Networks Lab	0	0	3	1.5
7	PC	Algorithms for Efficient Coding Lab	0	0	3	1.5
8	PC	Deep Learning with Tensorflow	0	0	3	1.5
9	SO	Skill Oriented Course - IV MEAN Stack Technologies-Module I- HTML 5, JavaScript, Node.js, Express.js and TypeScript OR Big Data : Apache Spark	0	0	4	2
10	MC	Employability skills-II	2	0	0	0
Total credits						21.5
Industrial/Research Internship(Mandatory) 2 Months during summer vacation						
11	Minor	Deep Learning ³	3	0	2	4
Minor courses through SWAYAM			0	0	0	2

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 Department of Computer Science and Engineering
 (Artificial Intelligence & Machine Learning)



LIST OF ELECTIVES OFFERED & CHOICE EXERCISED BY STUDENTS

Academic Year: 2022-23

Year/ Semester: III/ II Section-I

S No	ROLL NO	Professional Elective- II				Open Elective-II		Signature
		SPM	DS	IOT	NP	Other Dept	MSD	
1	20X41A4201	✓					✓	H. Mahalingam
2	20X41A4202	✓					✓	A. Vishwanath
3	20X41A4203	✓					✓	A.S. Raju
4	20X41A4204	✓					✓	C. H. K. K. K.
5	20X41A4205	✓					✓	G. N. K. K.
6	20X41A4206	✓					✓	S. S. S. S.
7	20X41A4207	✓					✓	D. S. S. S.
8	20X41A4208	✓					✓	R. S. S. S.
9	20X41A4209	✓					✓	H. S. S. S.
10	20X41A4210	✓					✓	D. S. S. S.
11	20X41A4211	✓					✓	D. S. S. S.
12	20X41A4212	✓					✓	K. S. S. S.
13	20X41A4213	✓					✓	J. S. S. S.
14	20X41A4214	✓					✓	G. S. S. S.
15	20X41A4215	✓					✓	G. S. S. S.
16	20X41A4216						✓	S. S. S. S.
17	20X41A4217	✓					✓	G. S. S. S.
18	20X41A4218	✓					✓	G. S. S. S.
19	20X41A4219	✓					✓	S. S. S. S.
20	20X41A4220	✓					✓	I. S. S. S.
21	20X41A4221	✓					✓	P. S. S. S.
22	20X41A4222	✓					✓	D. S. S. S.
23	20X41A4223	✓					✓	K. S. S. S.
24	20X41A4224	✓					✓	K. S. S. S.
25	20X41A4225	✓					✓	K. S. S. S.
26	20X41A4226						✓	K. S. S. S.
27	20X41A4227	✓					✓	K. S. S. S.
28	20X41A4228	✓					✓	K. S. S. S.
29	20X41A4229	✓					✓	K. S. S. S.
30	20X41A4230	✓					✓	K. S. S. S.
31	20X41A4231	✓					✓	M. S. S. S.
32	20X41A4232	✓					✓	M. S. S. S.


 HOD/Date
 12/12/22



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Department of Computer Science and Engineering

(Artificial Intelligence & Machine Learning)



S No	ROLL NO	Professional Elective- II				Open Elective-II		Signature
		SPM	DS	IOT	NP	Other Dept	MSD	
33	20X41A4233	✓					✓	M. Lakshmi
34	20X41A4234	✓					✓	Alfred
35	20X41A4235	✓					✓	Abhinav
36	20X41A4236	✓					✓	Shanmukha
37	20X41A4237	✓					✓	Pranav
38	20X41A4238	✓					✓	N. Chandana
39	20X41A4239	✓					✓	N. Vijayashree
40	20X41A4240	✓					✓	P. S. Anjali
41	20X41A4241	✓					✓	P. Rajini
42	20X41A4243	✓					✓	P. Tanu
43	20X41A4244	✓					✓	P. Naga
44	20X41A4245	✓					✓	K. S. Sri
45	20X41A4246	✓					✓	C. S.
46	20X41A4247	✓					✓	A. Suresh
47	20X41A4248	✓					✓	S. Anurag
48	20X41A4249	✓					✓	K. Anurag
49	20X41A4250	✓					✓	S. Firdose
50	20X41A4251	✓					✓	S. Lakshmi
51	20X41A4252	✓					✓	M. Lakshmi
52	20X41A4253	✓					✓	M. Lakshmi
53	20X41A4254	✓					✓	T. Satvika
54	20X41A4255	✓					✓	T. N. Prasad
55	20X41A4256	✓					✓	T. N. Prasad
56	20X41A4257	✓					✓	V. Lakshmi
57	20X41A4258	✓					✓	V. Lakshmi
58	20X41A4259	✓					✓	V. Lakshmi
59	20X41A4260	✓					✓	V. Venkatesh
60	20X41A4261	✓					✓	V. Venkatesh
61	20X41A4262	✓					✓	V. Meghana
62	20X41A4263	✓					✓	V. Meghana
63	20X41A4264	✓					✓	V. Meghana
64	21X45A4201	✓					✓	V. Meghana


 HOD Date: 12/12/22


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(Artificial Intelligence & Machine Learning)



S No	ROLL NO	Professional Elective- II				Open Elective-II		Signature
		SPM	DS	IOT	NP	Other Dept	MSD	
65	21X45A4202	✓					✓	Sat
66	21X45A4203	✓					✓	P. Lakshmi
67	21X45A4204	✓					✓	G. Lakshmi
68	21X45A4205	✓					✓	L. Lakshmi
69	21X45A4206	✓					✓	T. Anil

B. Lakshmi
HOD/Date 2/12/22

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Department of Computer Science and Engineering
(Artificial Intelligence & Machine Learning)



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Date: 18/07/2022

This is to inform all the students of III/ IV B.TECH, I Semester, Computer Science and Engineering (AI & ML), that as per the options given by the students, the departmental academic committee decided to offer **Software Engineering** as a Professional Elective- I (R20 Syllabus), offered by parent department and **Optimization in Operations Research** subject as Open Elective- I (Inter Disciplinary) offered by Science and Humanities Department for the academic year 2022-23. Student roll lists for electives are enclosed.

B. Lakshmi
HOD-CSE/18/12

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Date: 11/07/2022

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The following subjects are offered as elective subjects for III/IV B.TECH, I Semester Computer Science and Engineering (AI & ML) students for the academic year 2022-23 (R20 Regulation) by the JNTUK University. Hence all the students are instructed to choose the **Open Elective- I (Inter Disciplinary), Professional Elective-I** subjects among the options in the given proforma, on or before 16/07/2022. The syllabus copies are enclosed.

Professional Elective- I

1. Software Engineering
2. Computer Vision
3. Data Visualization
4. DevOps
5. Machine Learning for Engineering and Science Applications

Open Elective- I

Open Electives offered by other departments / Optimization in Operations Research

B. Chandra
HOD CSE 11/7/22

Chandrababu

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
KAKINADA - 533 003, Andhra Pradesh, India

DEPARTMENT OF CSE - ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

COURSE STRUCTURE AND SYLLABUS

For UG - R20

B. Tech - COMPUTER SCIENCE AND ENGINEERING with Specialization

Common to

- (i) CSE (ARTIFICIAL INTELLIGENCE and MACHINE LEARNING)-Branch Code:42
- (ii) ARTIFICIAL INTELLIGENCE and MACHINE LEARNING - Branch Code: 61

(Applicable for batches admitted from 2020-2021)



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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
KAKINADA – 533 003, Andhra Pradesh, India

DEPARTMENT OF CSE - ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

III B. Tech – I Semester						
S.No	Course Code	Courses	Hours per week			Credits
			L	T	P	C
1	PC	Compiler Design	3	0	0	3
2	PC	Operating Systems	3	0	0	3
3	PC	Machine Learning	3	0	0	3
4	Open Elective/Job Oriented	Open Elective-I Open Electives offered by other departments/ Optimization in Operations Research(Job oriented course)	3	0	0	3
5	PE	Professional Elective-I 1. Software Engineering 2. Computer Vision 3. Data Visualization 4. DevOps 5. Machine Learning for Engineering and Science Applications (NPTEL) (https://nptel.ac.in/courses/106106198)	3	0	0	3
6	PC	Operating Systems & Compiler Design Lab	0	0	3	1.5
7	PC	Machine Learning Lab	0	0	3	1.5
8	SO	Skill Oriented Course - III Continuous Integration and Continuous Delivery using DevOps	0	0	4	2
9	MC	Employability Skills-I	2	0	0	0
10	PR	Summer Internship 2 Months (Mandatory) after second year(to be evaluated during V semester	0	0	0	1.5
Total credits						21.5
11	Minor	Machine Learning ⁵	3	0	2	4

5- Integrated Course

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SRK INSTITUTE OF TECHNOLOGY
 Enikepadu, Vijayawada 521108
 Approved by AICTE, Affiliated to JNTUK, Kakinada
 (ISO 9001:2015 Certified Institution)
 Department of Computer Science and Engineering
 (Artificial Intelligence & Machine Learning)



LIST OF ELECTIVES OFFERED & CHOICE EXERCISED BY STUDENTS

Academic Year: 2022-23

Year/ Semester: III/ I Section-I

S No	ROLL NO	Professional Elective- I					Open Elective I		Signature
		SE	CV	DV	Dev-Ops	ML	Other Dept	OOR	
1	20X41A4201	✓						✓	H. K. ...
2	20X41A4202	✓						✓	K. ...
3	20X41A4203	✓						✓	A. ...
4	20X41A4204	✓						✓	C.H. ...
5	20X41A4205	✓						✓	J. ...
6	20X41A4206	✓						✓	Ch. V. ...
7	20X41A4207	✓						✓	P. ...
8	20X41A4208	✓						✓	P. ...
9	20X41A4209	✓						✓	P. ...
10	20X41A4210	✓						✓	D. ...
11	20X41A4211	✓						✓	D. ...
12	20X41A4212	✓						✓	D. ...
13	20X41A4213	✓						✓	G. ...
14	20X41A4214	✓						✓	G. ...
15	20X41A4215	✓						✓	G. ...
16	20X41A4216	✓						✓	G. ...
17	20X41A4217	✓						✓	G. ...
18	20X41A4218	✓						✓	G. ...
19	20X41A4219	✓						✓	G. ...
20	20X41A4220	✓						✓	G. ...
21	20X41A4221	✓						✓	I. ...
22	20X41A4222	✓						✓	J. ...
23	20X41A4223	✓						✓	B. ...
24	20X41A4224	✓						✓	K. ...
25	20X41A4225	✓						✓	K. ...
26	20X41A4226	✓						✓	K. ...
27	20X41A4227	✓						✓	K. ...
28	20X41A4228	✓						✓	K. ...
29	20X41A4229	✓						✓	K. ...
30	20X41A4230	✓						✓	K. ...
31	20X41A4231	✓						✓	M. ...
32	20X41A4232	✓						✓	M. ...

B. ...
 HOD/Date

[Signature]



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 (Artificial Intelligence & Machine Learning)



S No	ROLL NO	Professional Elective- I					Open Elective I		Signature
		SE	CV	DV	Dev- Ops	ML	Other Dept	OOR	
33	20X41A4233	✓						✓	
34	20X41A4234	✓						✓	
35	20X41A4235	✓						✓	
36	20X41A4236	✓						✓	
37	20X41A4237	✓						✓	
38	20X41A4238	✓						✓	
39	20X41A4239	✓						✓	
40	20X41A4240	✓						✓	
41	20X41A4241	✓						✓	
42	20X41A4243	✓						✓	
43	20X41A4244	✓						✓	
44	20X41A4245	✓						✓	
45	20X41A4246	✓						✓	
46	20X41A4247	✓						✓	
47	20X41A4248	✓						✓	
48	20X41A4249	✓						✓	
49	20X41A4250	✓						✓	
50	20X41A4251	✓						✓	
51	20X41A4252	✓						✓	
52	20X41A4253	✓						✓	
53	20X41A4254	✓						✓	
54	20X41A4255	✓						✓	
55	20X41A4256	✓						✓	
56	20X41A4257	✓						✓	
57	20X41A4258	✓						✓	
58	20X41A4259	✓						✓	
59	20X41A4260	✓						✓	
60	20X41A4261	✓						✓	
61	20X41A4262	✓						✓	
62	20X41A4263	✓						✓	
63	20X41A4264	✓						✓	
64	21X45A4201	✓						✓	

B. Chandra
 HOD/Date

[Signature]
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Department of Computer Science and Engineering
(Artificial Intelligence & Machine Learning)





S No	ROLL NO	Professional Elective- I					Open Elective I		Signature
		SE	CV	DV	Dev- Ops	ML	Other Dept	OOR	
65	21X45A4202	✓						✓	S.H.
66	21X45A4203	✓						✓	P. Anurag Kumar
67	21X45A4204	✓						✓	G. Praveen Kumar
68	21X45A4205	✓						✓	L. Nibeth
69	21X45A4206	✓						✓	T. Anil Kumar

B. Anand
HOD/Date

P. Anurag Kumar

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Date: 12/12/2022

CIRCULAR

This is to inform all the students of III/ IV B.TECH, II Semester, Computer Science and Engineering (Data Science), that as per the options given by the students, the departmental academic committee decided to offer **Software Project Management** as a **Professional Elective-II** (R20 Syllabus), offered by parent department and **MEAN Stack Development (Job Oriented)** subject as **Open Elective- II (Inter Disciplinary)** offered by parent Department for the academic year 2022-23. Student roll lists for electives are enclosed.

B. [Signature]
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Department of Computer Science and Engineering
(Data Science)



Date: 07/12/2022

CIRCULAR

The following subjects are offered as elective subjects for III/IV B.TECH, II Semester Computer Science and Engineering (Data Science) students for the academic year 2022-23(R20 Regulation) by the JNTUK University. Hence all the students are instructed to choose the **Professional Elective-II** and **Open Elective-II (Inter Disciplinary)**, subjects among the options in the given proforma, on or before 10/12/2022. The syllabus copies are enclosed.

Professional Elective-II

1. Deep Learning
2. Software Project Management
3. Distributed Systems
4. Data Wrangling in Data Science
5. ETL Principles

Open Elective-II

Open Electives offered by other departments/ MEAN Stack Development (Job Oriented)

B. Chandra
HOD 7/12/22

P. Suresh

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COURSE STRUCTURE & SYLLABUS

For

B. TECH - COMPUTER SCIENCE AND ENGINEERING

with Specialization

DATA SCIENCE

(Applicable for batches admitted from 2020-2021)



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

KAKINADA - 533 003, Andhra Pradesh, India

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ENIKEPADI, VIJAYAWADA-521 109.**

III B. Tech - II Semester						
S.No	CourseCode	Courses	Hours per week			Credits
			L	T	P	C
1	PC	Computer Networks	3	0	0	3
2	PC	Big Data Analytics	3	0	0	3
3	PC	Design and Analysis of Algorithms	3	0	0	3
4	PE	Professional Elective-II 1. Deep Learning 2. Software Project Management 3. Distributed Systems 4. Data Wrangling in Data Science 5. ETL Principles	3	0	0	3
5	Open Elective/Job Oriented	Open Elective-II Open Electives offered by other departments/ MEAN Stack Development (Job Oriented Course)	3	0	0	3
6	PC	Computer Networks Lab	0	0	3	1.5
7	PC	Big Data Analytics Lab	0	0	3	1.5
8	PC	Deep Learning with Tensorflow	0	0	3	1.5
9	SO	Skill Oriented Course - IV 1. MEAN Stack Technologies- Module I-HTML5, JavaScript, Node.js, express.js and TypeScript OR 2. ETL Design Procedures-Spark	0	0	4	2
10	MC	Employability skills-II	2	0	0	0
Total credits						21.5
Industrial/Research Internship(Mandatory) 2 Months during summer vacation						
11	Minor	Data Science Applications *	3	0	2	4
Minor courses through SWAYAM			0	0	0	2



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 Department of Computer Science and Engineering
 (Data Science)




LIST OF ELECTIVES OFFERED & CHOICE EXERCISED BY STUDENTS

Academic Year: 2022-23

Year/ Semester: III/II Section-I

S No	ROLL NO	Professional Elective- II					Open Elective-II		Signature of the Student
		DL	SPM	DS	DWDS	ETLP	Other Dept	MSD	
1	20X41A4401		✓					✓	Prasanth A
2	20X41A4402		✓					✓	A. Brahgar
3	20X41A4403		✓					✓	A. V. Aishwari
4	20X41A4404		✓					✓	Ch. V. Suman Deep
5	20X41A4405		✓					✓	A. Sumiya Pooja
6	20X41A4406		✓					✓	A. Nanditha
7	20X41A4407		✓					✓	Ajay A.
8	20X41A4408		✓					✓	S. Ananya J
9	20X41A4409		✓					✓	B. Lakshmi
10	20X41A4410		✓					✓	B. Lakshmi
11	20X41A4411		✓					✓	Ch. Sai Chand
12	20X41A4412		✓					✓	Ch. Surya
13	20X41A4413		✓					✓	Ch. N. V. Abhiram
14	20X41A4414		✓					✓	D. Sri Devi
15	20X41A4415		✓					✓	D. Meghana
16	20X41A4416		✓					✓	D. Varshitha
17	20X41A4417		✓					✓	D. Sravathi
18	20X41A4418		✓					✓	D. Sneha Praveen
19	20X41A4419		✓					✓	P. P. Sumanth
20	20X41A4420		✓					✓	E. Subhraj
21	20X41A4421		✓					✓	G. Sri Lakshmi
22	20X41A4422		✓					✓	G. Pranav Kumar
23	20X41A4423		✓					✓	J. Anurag
24	20X41A4424		✓					✓	J. Prashanth Kumar
25	20X41A4425		✓					✓	J. Anurag
26	20X41A4426		✓					✓	T. Prasi
27	20X41A4427		✓					✓	K. Bhargavi
28	20X41A4428		✓					✓	K. Keerthika
29	20X41A4429		✓					✓	K. N. Malakshmi
30	20X41A4430		✓					✓	K. Nazneen
31	20X41A4431		✓					✓	K. Ananth
32	20X41A4432		✓					✓	K. Bhargavi


 HOD Date
 12/12/22



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 (ISO 9001:2015 Certified Institution)
 Department of Computer Science and Engineering
 (Data Science)



S No	ROLL NO	Professional Elective- II					Open Elective-II		Signature of the Student
		DL	SPM	DS	DWDS	ETLP	Other Dept	MSD	
33	20X41A4433								K.Tarun
34	20X41A4434								
35	20X41A4435		✓					✓	V. Venkata
36	20X41A4436		✓					✓	K. Naveen
37	20X41A4437		✓					✓	K. Chaitanya
38	20X41A4438		✓					✓	K. Bhargavi
39	20X41A4440		✓					✓	M. Prasanth
40	20X41A4441		✓					✓	M. Jini
41	20X41A4442		✓					✓	M. Naveen
42	20X41A4443		✓					✓	M. Yashwanth
43	20X41A4444		✓					✓	M. H. Anand
44	20X41A4445		✓					✓	N. Hinala
45	20X41A4446		✓					✓	M. Manoj
46	20X41A4447		✓					✓	S. Gardini
47	20X41A4448		✓					✓	M. Lalitha
48	20X41A4449		✓					✓	S. Chaitanya
49	20X41A4450		✓					✓	Nalitha
50	20X41A4451		✓					✓	P. Navya
51	20X41A4452		✓					✓	P. V. Kalyan
52	20X41A4453		✓					✓	K. Saravani
53	20X41A4454		✓					✓	K. Lakshmi
54	20X41A4455		✓					✓	S. T. S. Karthi
55	20X41A4456		✓					✓	S. V. Lakshmi
56	20X41A4457		✓					✓	U. S. Lakshmi
57	20X41A4458		✓					✓	V. Sai Chaitanya
58	20X41A4459		✓					✓	V. Reshmi
59	20X41A4460		✓					✓	V. Sravani
60	20X41A4461		✓					✓	Y. Chaitanya
61	20X41A4463		✓					✓	
62	20X41A4464		✓					✓	D. Saravani
63	21X45A4401		✓					✓	S. Chondana


 HOD/Dat 11/12/22

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Department of Computer Science and Engineering
(Data Science)





S No	ROLL NO	Professional Elective- II					Open Elective-II		Signature of the Student
		DL	SPM	DS	DWDS	ETLP	Other Dept	MSD	
64	21X45A4403		✓					✓	P. Lakshminarayana
65	21X45A4404		✓					✓	A. Lakshminarayana
66	21X45A4405		✓					✓	G. Sreejith
67	21X45A4406		✓					✓	Y. Sreejith

B. Lakshminarayana
12/12/22
HOD/Date

The Principal

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CIRCULAR

Date: 18/07/2022

This is to inform all the students of III/ IV B.TECH, I Semester, Computer Science and Engineering(Data Science), that as per the options given by the students, the departmental academic committee decided to offer **Internet of Things** as a Professional Elective- I (R20 Syllabus), offered by parent department and **Optimization in Operations Research** subject as Open Elective- I (Inter Disciplinary) offered by Science and Humanities Department for the academic year 2022-23. Student roll lists for electives are enclosed.

B. Lakshmi
HOD CSE

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Department of Computer Science and Engineering
(Data Science)



Date: 11/07/2022

CIRCULAR

The following subjects are offered as elective subjects for III/IV B.TECH, I Semester Computer Science and Engineering(Data Science) students for the academic year 2022-23 (R20 Regulation) by the JNTUK University. Hence all the students are instructed to choose the **Open Elective- I (Inter Disciplinary), Professional Elective-I** subjects among the options in the given proforma, on or before 16/07/2022. The syllabus copies are enclosed.

Professional Elective-I

1. Software Engineering
2. Object Oriented Analysis and Design
3. DevOps
4. Internet of Things

Open Elective- I

Open Electives offered by other departments / Optimization in Operations Research

B. G. Srinivas
HOD CSE 11/7/22

P. Srinivas

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COURSE STRUCTURE & SYLLABUS

For

B. TECH - COMPUTER SCIENCE AND ENGINEERING

with Specialization

DATA SCIENCE

(Applicable for batches admitted from 2020-2021)



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

KAKINADA - 533 003, Andhra Pradesh, India

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GRK INSTITUTE OF TECHNOLOGY
ENIKEPADU, VILAYAWADA-521 168.

III B. Tech - I Semester

S.No	Course Code	Courses	Hours per week			Credits
			L	T	P	
1	PC	Compiler Design	3	0	0	3
2	PC	Operating Systems	3	0	0	3
3	PC	Machine Learning	3	0	0	3
4	Open Elective/Job Oriented	Open Elective-I Open Electives offered by other departments/ Optimization in Operations Research(Job oriented course)	3	0	0	3
5	PE	Professional Elective-I 1. Software Engineering 2. Object Oriented Analysis and Design 3. DevOps 4. Internet of Things	3	0	0	3
6	PC	Operating Systems & Compiler Design Lab	0	0	3	1.5
7	PC	Machine Learning Lab	0	0	3	1.5
8	SO	Skill Oriented Course - III 1. Continuous Integration and Continuous Delivery using DevOps OR 2. Helical Insight	0	0	4	2
9	MC	Employability Skills-I	2	0	0	0
10	PR	Summer Internship 2 Months(Mandatory) after second year(to be evaluated during V semester	0	0	0	1.5
			Total credits			21.5
11	Minor	Data Warehousing and Data Mining*	3	0	2	4

S- Integrated Course



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 (ISO 9001:2015 Certified Institution)
 Department of Computer Science and Engineering
 (Data Science)



LIST OF ELECTIVES OFFERED & CHOICE EXERCISED BY STUDENTS

Academic Year: 2022-23

Year/ Semester: III/I Section-I

S No	ROLL NO	Professional Elective- I				Open Elective I		Signature of the Student
		SE	OOAD	Dev Ops	IOT	Other Dept	OOR	
1	20X41A4401				✓		✓	Prasanth A.
2	20X41A4402				✓		✓	Bhargav
3	20X41A4403				✓		✓	Sydvani
4	20X41A4404				✓		✓	istha
5	20X41A4405				✓		✓	A.Surniyappa
6	20X41A4406				✓		✓	A. Narasimha
7	20X41A4407				✓		✓	Ajay
8	20X41A4408				✓		✓	Chesamma
9	20X41A4409				✓		✓	B. V. Srinivas
10	20X41A4410				✓		✓	gagan
11	20X41A4411				✓		✓	Ruchard
12	20X41A4412				✓		✓	ishu
13	20X41A4413				✓		✓	Ch.V. Krishna
14	20X41A4414				✓		✓	D. Sridevi
15	20X41A4415				✓		✓	D. H. Rajeswari
16	20X41A4416				✓		✓	Yashwanth
17	20X41A4417				✓		✓	J. S. Srinani
18	20X41A4418				✓		✓	D. Suresh Kumar
19	20X41A4419				✓		✓	Srinivas
20	20X41A4420				✓		✓	E. Srinivas
21	20X41A4421				✓		✓	G. Srinivas
22	20X41A4422				✓		✓	G. Praveeth Samuel
23	20X41A4423				✓		✓	Sam
24	20X41A4424				✓		✓	J. Pragna Anjali
25	20X41A4425				✓		✓	J. Srinivas
26	20X41A4426				✓		✓	Ravi
27	20X41A4427				✓		✓	K. Bharath
28	20X41A4428				✓		✓	K. Praveeth
29	20X41A4429				✓		✓	K. S. N. Lalitha
30	20X41A4430				✓		✓	K. Narendra Babu
31	20X41A4431				✓		✓	K. Chaitanya
32	20X41A4432				✓		✓	K. Dhya

B. [Signature]
HOD/Date

[Signature]
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 Department of Computer Science and Engineering
 (Data Science)



S No	ROLL NO	Professional Elective- I				Open Elective I		Signature of the Student
		SE	OOAD	Dev Ops	IOT	Other Dept	OOD	
33	20X41A4433				✓		✓	K. Tharun
34	20X41A4434				✓		✓	ma
35	20X41A4435				✓		✓	K. Sanjosh
36	20X41A4436				✓		✓	Purni
37	20X41A4437				✓		✓	Va
38	20X41A4438				✓		✓	K. Bharathi
39	20X41A4440				✓		✓	M. Prasad
40	20X41A4441				✓		✓	A. J
41	20X41A4442				✓		✓	V. Jyoti
42	20X41A4443				✓		✓	M. Yamini
43	20X41A4444				✓		✓	M. Hemant
44	20X41A4445				✓		✓	J. Jyoti
45	20X41A4446				✓		✓	V. Mang
46	20X41A4447				✓		✓	A
47	20X41A4448				✓		✓	P. Jaee
48	20X41A4449				✓		✓	J. Jyoti
49	20X41A4450				✓		✓	Lalitha
50	20X41A4451				✓		✓	P. Navya
51	20X41A4452				✓		✓	P. Kalyan
52	20X41A4453				✓		✓	S. Sathish
53	20X41A4454				✓		✓	P. Anurag
54	20X41A4455				✓		✓	E. R
55	20X41A4456				✓		✓	S. Sathish
56	20X41A4457				✓		✓	V. Prasad
57	20X41A4458				✓		✓	S. Sathish
58	20X41A4459				✓		✓	R
59	20X41A4460				✓		✓	V. Prasad
60	20X41A4461				✓		✓	A
61	20X41A4463				✓		✓	Sathish
62	20X41A4464				✓		✓	D. Sreeraj
63	21X45A4401				✓		✓	chandana

B. Lakshmi
HOD/Date

[Signature]
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Department of Computer Science and Engineering
(Data Science)



S No	ROLL NO	Professional Elective- I				Open Elective I		Signature of the Student
		SE	OOAD	Dev Ops	IOT	Other Dept	OOR	
64	21X45A4403				✓		✓	P. Lakshmi Narayana
65	21X45A4404				✓		✓	A. Lakshmi
66	21X45A4405				✓		✓	G. Geetha
67	21X45A4406				✓		✓	Y. Sri Sruja


HOD/Date



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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY: KAKINADA
KAKINADA – 533 003, Andhra Pradesh, India

DEPARTMENT OF INFORMATION TECHNOLOGY

IV Year – II SEMESTER

S.No	Course Code	Courses	L	T	P	Credits
1	HS4201	Management and Organizational Behavior	3	0	0	3
2	OE4201	Open Elective- III (Inter Disciplinary)	3	0	0	3
3	PE4201	Professional Elective- V 1. Deep Learning 2. Quantum Computing 3. Blockchain Technologies 4. Software Project Management 5. Network Programming	3	0	0	3
4	PR4201	Project- II	0	0	0	7
Total			9	0	0	16

Open Electives to be offered by IT for Other Branches:

Open Elective I: 1. Data Structures 2. Java Programming 3. Data Base Management Systems 4. C++ Programming 5. Operating Systems 6. Internet of Things	Open Elective II: 1. Problem Solving using Python 2. Web Technologies 3. Machine Learning 4. Distributed Computing 5. AI Tools & Techniques 6. Data Science
Open Elective III: 1. Big Data 2. Image Processing 3. Mobile Application Development 4. Cyber Security 5. Deep Learning 6. Block Chain Technologies	

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CIRCULAR FOR PROFESSIONAL ELECTIVE-III & IV

Date: 25/10/2022

The following subjects are offered as an **Professional Elective - V (R19)** for IV/IV B.Tech, Information Technology students for the academic year **2022-2023**, II Semester. Hence all the students are instructed to choose an Professional Elective-V subjects among the options in the given format, on or before 28/10/2022. The details of the syllabus are enclosed.

Professional Elective – V

1. Deep Learning
2. Quantum Computing
3. Block chain Technologies
4. Software Project Management
5. Network Programming

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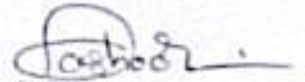
DEPARTMENT OF INFORMATION TECHNOLOGY

CIRCULAR

Date:29/10/2022

This is to inform all the students of IV/IV B.Tech, Information Technology, as per decision of the departmental academic committee, the **Block chain Technologies** subject offered as an Professional Elective-V for the academic year 2022-2023, II Semester.

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LIST OF ELECTIVES (MOOCS) OFFERED, CHOICE EXERCISED BY STUDENTS

Academic Year: 2022-2023

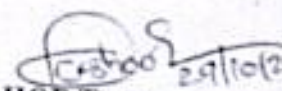
Year/Semester : IV/II

S No	Roll No	Professional Elective-V					Student Signature
		Deep Learning	Quantum Computing	Block chain Technologies	Software Project Management	Network Programming	
1	19X41A1201			✓			Abhishek
2	19X41A1202			✓			AS Anjali
3	19X41A1203			✓			A. Harshita
4	19X41A1204	✓					A. Jhanvi
5	19X41A1205			✓			Yashika
6	19X41A1206			✓			B. Sai D.
7	19X41A1207			✓			Rehman
8	19X41A1208				✓		R. Zohitha
9	19X41A1209			✓			B. Venky.
10	19X41A1210			✓			Naveen
11	19X41A1211	✓					Krupa Lakshmi
12	19X41A1212			✓			D. Hina
13	19X41A1213				✓		Chaiti
14	19X41A1214			✓			S. Anika
15	19X41A1215			✓			P. Gayathri
16	19X41A1216			✓			D. Anitha
17	19X41A1217			✓			D. Rakul
18	19X41A1218			✓			Bhargava
19	19X41A1219	✓					G. Anika
20	19X41A1220			✓			G.
21	19X41A1221			✓			G. Lakshmi
22	19X41A1222			✓			J. Anika
23	19X41A1223					✓	K. Manika
24	19X41A1224			✓			K. Anika
25	19X41A1225			✓			K. Sai
26	19X41A1226	✓					K. Sai
27	19X41A1227			✓			K. Sai
28	19X41A1228			✓			Mansi
29	19X41A1229			✓			Vandana
30	19X41A1230			✓			K. Anika
31	19X41A1231			✓			J. Nani



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S No	Roll No	Professional Elective-II					Student Signature
		Deep Learning	Quantum Computing	Block chain Technologies	Software Project Management	Network Programming	
32	19X41A1232						
33	19X41A1233			✓			M. Mani Laksh
34	19X41A1235	✓		✓			Toj
35	19X41A1236			✓			N. Divya
36	19X41A1238			✓			N. Anusha
37	19X41A1239				✓		B. Anusha
38	19X41A1240			✓			P. Gauthika
39	19X41A1241			✓			Abhinav P
40	19X41A1242	✓					Salimathu
41	19X41A1243			✓			P. Keerthi
42	19X41A1244			✓			V. Hanshita
43	19X41A1245			✓			P. Harshita
44	19X41A1246	✓		✓			R. Gauthika
45	19X41A1247			✓			Sai Tejaswini
46	19X41A1248			✓			Sai
47	19X41A1249			✓			P. Prathibha
48	19X41A1250			✓			S. Sathya
49	19X41A1252			✓	✓		S. Lahari
50	19X41A1253			✓			N. Divya
51	19X41A1254			✓			I. Divya
52	19X41A1255			✓			U. Kavitha
53	19X41A1256			✓	✓		V. Anusha


 HOD/Date 29/10/22



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IV/IV B.TECH – II SEMESTER

CIRCULAR FOR OPEN ELECTIVE-III

Date: 25/10/2022

The following subjects are offered as an Open Elective-III for IV/IV B.Tech, Information Technology students for the academic year 2022-2023, II Semester(R19). Hence all the students are instructed to choose an Open elective-III subject among the options in the given format, on or before 28/10/2022. The details of the syllabus are enclosed.

Open Elective –III


1. Disaster Management
2. Environmental Pollution & control
3. Basics of control systems

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IV/IV B.TECH – II SEMESTER

CIRCULAR

Date: 29/10/2022

This is to inform all the students of IV/IV B.Tech, Information Technology, as per decision of the departmental academic committee, the **Disaster Management** subject will be offered by the Civil Engineering Department as an Open Elective-III for the academic year 2022-2023, II Semester (R19).

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LIST OF ELECTIVES (MOOCS) OFFERED, CHOICE EXERCISED BY STUDENTS

Academic Year: 2022-2023

Year/Semester: IV/II

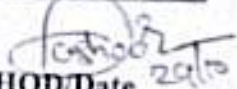
S No	Roll No	Open Elective-III			Student Signature
		Disaster Management	Environmental Pollution & control	Basics of control systems	
1	19X41A1201	✓			Ab.Vaseem
2	19X41A1202	✓			A.S.Aryali
3	19X41A1203	✓			A.Hemanth
4	19X41A1204	✓			A.Thansi
5	19X41A1205	✓			Abhishek
6	19X41A1206	✓			B.Sai Prasanth
7	19X41A1207	✓			B.Padma
8	19X41A1208	✓			B.haritha
9	19X41A1209				B.Venky
10	19X41A1210		✓		Naveen
11	19X41A1211	✓			Krupa Kalyani
12	19X41A1212	✓			Vijay
13	19X41A1213	✓			chikk
14	19X41A1214		✓		Dhanya
15	19X41A1215	✓			D.Gayathri
16	19X41A1216	✓			Ravathi D
17	19X41A1217	✓			D.Rakesh
18	19X41A1218		✓		G. Bhagwati
19	19X41A1219	✓			G. Jeeva
20	19X41A1220	✓			G. Chaitanya
21	19X41A1221	✓			G. Vishwanath
22	19X41A1222	✓			J. Krishanu
23	19X41A1223	✓			K. Madhavi
24	19X41A1224			✓	K. Jayanth
25	19X41A1225	✓			K. Sai Padma
26	19X41A1226	✓			K. Lakshmi
27	19X41A1227			✓	Mouni
28	19X41A1228			✓	K. Rudransh
29	19X41A1229	✓			K. Varun
30	19X41A1230	✓			L. Nani
31	19X41A1231	✓			Suryam M

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S No	Roll No	Open Elective-III			
		Disaster Management	Environmental Pollution & control	Basics of control systems	Student Signature
32	19X41A1232	✓			M. Manikav
33	19X41A1233	✓			Tejaswini
34	19X41A1235	✓			ni-harish
35	19X41A1236	✓			N. Anush
36	19X41A1238	✓			V. Anurha
37	19X41A1239	✓			P. Geethika
38	19X41A1240	✓			Abhinav P
39	19X41A1241	✓			P. Sarnathi
40	19X41A1242	✓			P. Ke. Saravani
41	19X41A1243		✓		Y. Haseetha
42	19X41A1244		✓		P. Harshith
43	19X41A1245	✓			P. Geethika
44	19X41A1246	✓			Sri Tejaswini
45	19X41A1247	✓			S. Anush
46	19X41A1248	✓			P. Prathiba
47	19X41A1249	✓			SK. Sarveer
48	19X41A1250		✓		S. Lahari
49	19X41A1252	✓			T. Uma Sathish
50	19X41A1253	✓			T. Divya
51	19X41A1254	✓			U. Kalyani
52	19X41A1255	✓			V. Aravind
53	19X41A1256	✓			V. Harisha


 HOD/Date 29/10



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KAKINADA - 533 003, Andhra Pradesh, India

DEPARTMENT OF INFORMATION TECHNOLOGY

III B. Tech - II Semester						
S.No	CourseCode	Courses	Hours per week			Credits
			L	T	P	
1	PC	Machine Learning	3	0	0	3
2	PC	Big Data Analytics	3	0	0	3
3	PC	Cryptography and Network Security	3	0	0	3
4	PE	Professional Elective-II	3	0	0	3
		1.Mobile Computing				
		2.MEAN Stack Development				
		3. Design Patterns				
	4.Scripting Languages					
5	Open Elective/Job Oriented	Open Elective-II Open Electives offered by other departments	3	0	0	3
6	PC	Big Data Analytics lab	0	0	3	1.5
7	PC	Machine Learning using Python Lab	0	0	3	1.5
8	PC	Cryptography and Network Security Lab	0	0	3	1.5
9	SO	Skill Oriented Course - IV 1.Data Science: Natural Language Processing 2.Video Analytics	0	0	4	2
10	MC3201	Employability skills-II	2	0	0	0
Total credits						21.5
Industrial/Research Internship(Mandatory) 2 Months during summer vacation						
11	Minor	Data Structures and Algorithms ¹	3	0	2	4
12	Honors	Any course from the Pool, as per the opted track	4	0	0	4
Minor course through SWAYAM			-	-	-	2

S- Integrated Course

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CIRCULAR FOR OPEN ELECTIVE-II

Date: 22/11/2022

The following subjects are offered as an open elective-II for III/IV B.Tech, Information Technology students for the academic year **2022-2023**, II Semester. Hence all the students are instructed to choose an open elective-II subject among the options in the given format, on or before 26/11/2022. The details of the syllabus are enclosed.

Open Elective –II

1. Disaster management
2. Industrial robotics
3. Advanced materials
4. Indian electricity Act

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DEPARTMENT OF INFORMATION TECHNOLOGY

CIRCULAR

Date: 29/11/2022

This is to inform all the students of III/IV B.Tech, Information Technology, as per decision of the departmental academic committee, the Disaster management subject offered as an open elective-II for the academic year 2022-2023, II Semester.

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LIST OF ELECTIVES (MOOCS) OFFERED, CHOICE EXERCISED BY STUDENTS

Academic Year: 2022-2023

Year/Semester: III/II

S No	Roll No	Open Elective-II				Student Signature
		Disaster management	Industrial robotics	Advanced materials	Indian electricity Act	
1	20X41A1201	✓				A. Rajesh
2	20X41A1202					G. Venkatesh
3	20X41A1203	✓				B. Saijititha
4	20X41A1204					A. Ashwarya
5	20X41A1205					Ch. Raju
6	20X41A1206					Ch. Swapna
7	20X41A1207					Ch. Hema
8	20X41A1208				✓	Ch. Pujitha
9	20X41A1209		✓			E. Bhargava
10	20X41A1210	✓				A. Anitha
11	20X41A1211	✓				G. Hiran
12	20X41A1212					G. Sudeva
13	20X41A1213		✓			S. Jaikar
14	20X41A1214			✓		S. Anand Sai
15	20X41A1215					S. Hemant
16	20X41A1216					K. M. S. Vamsi
17	20X41A1217	✓				K. Sridhar Reddy
18	20X41A1218			✓		K. Megha
19	20X41A1220	✓				K. Chinmi
20	20X41A1221					K. Siva Sai
21	20X41A1222					M. Anagha
22	20X41A1223					T. Jyoti
23	20X41A1224	✓				M. Anwar
24	20X41A1225					M. Anwar
25	20X41A1226					M. Anwar
26	20X41A1227	✓				M. Anwar
27	20X41A1228					M. Anwar
28	20X41A1229					M. Anwar
29	20X41A1230	✓				M. Anwar
30	20X41A1231					M. Anwar
31	20X41A1232	✓				N. K. Anwar

(Signature)

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S No	Roll No	Open Elective-II				Student Signature
		Disaster management	Industrial robotics	Advanced materials	Indian electricity Act	
32	20X41A1233					
33	20X41A1234					Aruntop
34	20X41A1235					n. Sankar
35	20X41A1236					Srinivas
36	20X41A1237					P. Anant
37	20X41A1239					R. Srinivas
38	20X41A1240					P. Sathi
39	20X41A1241	✓	✓			P. Saiya
40	20X41A1242	✓				P. Saiya
41	20X41A1243					R. Saiya
42	20X41A1244					R. Saiya
43	20X41A1245					R. Saiya
44	20X41A1246					R. Saiya
45	20X41A1247	✓				R. Saiya
46	20X41A1248					R. Saiya
47	20X41A1249					R. Saiya
48	20X41A1250		✓			R. Saiya
49	20X41A1251	✓				R. Saiya
50	20X41A1252	✓				R. Saiya
51	20X41A1253	✓				R. Saiya
52	20X41A1254	✓				R. Saiya
53	20X41A1255	✓				R. Saiya
54	20X41A1256	✓				R. Saiya
55	20X41A1257	✓				R. Saiya
56	20X41A1258					R. Saiya
57	20X41A1259	✓				R. Saiya
58	20X41A1260	✓				R. Saiya
59	20X41A1262	✓				R. Saiya
60	21X45A1201	✓				R. Saiya
61	21X45A1202	✓				R. Saiya
62	21X45A1203	✓				R. Saiya
63	21X45A1204	✓				R. Saiya
64	21X45A1205	✓				R. Saiya
65	21X45A1206	✓				R. Saiya
66	21X45A1207	✓				R. Saiya
67	21X45A1208	✓				R. Saiya


 HOD/Date 26/11
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CIRCULAR FOR PROFESSIONAL ELECTIVE-II

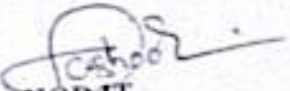
Date: 22/11/2022

The following subjects are offered as an **Professional Elective-II** for III/IV B.Tech, Information Technology students for the academic year **2022-2023**, II Semester. Hence all the students are instructed to choose an professional elective-II subject among the options in the given format, on or before 26/11/2022. The details of the syllabus are enclosed.

Professional Elective-II

1. Mobile Computing
2. MEAN Stack Development
3. Design Patterns
4. Scripting Languages

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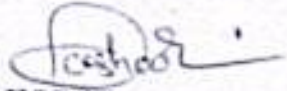
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CIRCULAR

Date: 29/11/2022

is to inform all the students of III/IV B.Tech, Information Technology, as per decision of the departmental academic committee, the **Design Patterns** subject offered as a Professional Elective-II for the academic year 2022-2023, II Semester.

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LIST OF ELECTIVES (MOOCS) OFFERED, CHOICE EXERCISED BY STUDENTS

Academic Year: 2022-2023

Year/Semester : III/II

S No	Roll No	Professional Elective-II				Student Signature
		Mobile Computing	MEAN Stack Development	Design Patterns	Scripting Languages	
1	20X41A1201			✓		[Signature]
2	20X41A1202					[Signature]
3	20X41A1203			✓		[Signature]
4	20X41A1204					[Signature]
5	20X41A1205			✓		[Signature]
6	20X41A1206					[Signature]
7	20X41A1207			✓		[Signature]
8	20X41A1208		✓			[Signature]
9	20X41A1209	✓				[Signature]
10	20X41A1210					[Signature]
11	20X41A1211			✓		[Signature]
12	20X41A1212					[Signature]
13	20X41A1213		✓			[Signature]
14	20X41A1214	✓				[Signature]
15	20X41A1215					[Signature]
16	20X41A1216			✓		[Signature]
17	20X41A1217			✓		[Signature]
18	20X41A1218	✓				[Signature]
19	20X41A1220					[Signature]
20	20X41A1221				✓	[Signature]
21	20X41A1222				✓	[Signature]
22	20X41A1223				✓	[Signature]
23	20X41A1224			✓		[Signature]
24	20X41A1225					[Signature]
25	20X41A1226				✓	[Signature]
26	20X41A1227	✓			✓	[Signature]
27	20X41A1228					[Signature]
28	20X41A1229				✓	[Signature]
29	20X41A1230	✓			✓	[Signature]
30	20X41A1231					[Signature]
31	20X41A1232				✓	[Signature]


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S No	Roll No	Professional Elective-II				Student Signature
		Mobile Computing	MEAN Stack Development	Design Patterns	Scripting Languages	
32	20X41A1233					
33	20X41A1234			✓		Anurag
34	20X41A1235			✓		m. Sai. kish.
35	20X41A1236			✓		P. Chaitanya
36	20X41A1237			✓		P. Anand
37	20X41A1239			✓		M. Anand
38	20X41A1240			✓		P. Jeeithi
39	20X41A1241			✓		P. Srija
40	20X41A1242			✓		P. Gayatri
41	20X41A1243	✓				K. Anand
42	20X41A1244					P. Anand
43	20X41A1245			✓		R. Anand
44	20X41A1246			✓		Rampal
45	20X41A1247			✓		K. Anand
46	20X41A1248			✓		R. Anand
47	20X41A1249			✓		K. Anand
48	20X41A1250		✓			S. Anand
49	20X41A1251			✓		S. Anand
50	20X41A1252			✓		S. Anand
51	20X41A1253			✓		S. Anand
52	20X41A1254			✓		S. Anand
53	20X41A1255			✓		T. Sivanarayana
54	20X41A1256			✓		V. Mahesh
55	20X41A1257			✓		V. Ramesh
56	20X41A1258			✓		N. Nandini
57	20X41A1259	✓		✓		V. R. Keethan
58	20X41A1260					Y. V. N. Krishna
59	20X41A1262					S. Anand
60	21X45A1201					S. Anand
61	21X45A1202			✓		B. Y. SRK
62	21X45A1203					S. Anand
63	21X45A1204					M. Anand
64	21X45A1205					M. Anand
65	21X45A1206					M. Anand
66	21X45A1207			✓		S. Anand
67	21X45A1208					P. Anand


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DEPARTMENT OF INFORMATION TECHNOLOGY

IV/IV B.TECH – II SEMESTER

CIRCULAR

Date:29/10/2022

This is to inform all the students of IV/IV B.Tech, Information Technology, as per decision of the departmental academic committee, the **Design Patterns** subject offered as an Professional Elective-III and **Internet of Things** subject offered as an Professional Elective-IV for the academic year 2022-2023, II Semester.

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Principal office
Exam section
Notice Board


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DEPARTMENT OF INFORMATION TECHNOLOGY

IV/IV B.TECH – II SEMESTER

CIRCULAR FOR PROFESSIONAL ELECTIVE-III & IV

Date: 25/10/2022

The following subjects are offered as an **Professional Elective-III & IV (R19)** for IV/IV B.Tech, Information Technology students for the academic year **2022-2023**, II Semester. Hence all the students are instructed to choose an Professional Elective-III & IV subjects among the options in the given format, on or before 28/10/2022. The details of the syllabus are enclosed.

Professional Elective III

1. Big Data Analytics
2. Social Networking
3. Ad-hoc and Sensor Networks
4. Cloud Computing
5. Design Patterns

Professional Elective IV

1. Distributed Systems
2. DevOps
3. Internet of Things
4. Data Science
5. Biometrics

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DEPARTMENT OF INFORMATION TECHNOLOGY

LIST OF ELECTIVES (MOOCS) OFFERED, CHOICE EXERCISED BY STUDENTS

Academic Year: 2022-2023

Year/Semester : IV/II

S No	Roll No	Professional Elective-II					Student Signature
		Big Data Analytics	Social Networking	Ad-hoc and Sensor Networks	Cloud Computing	Design Patterns	
1	19X41A1201					✓	Ab. Vassem
2	19X41A1202					✓	A. S. Anjali
3	19X41A1203					✓	A. Hemendh
4	19X41A1204					✓	A. Jhansi
5	19X41A1205					✓	A. Jhansi
6	19X41A1206					✓	A. Jhansi
7	19X41A1207					✓	B. Sri Prasa
8	19X41A1208					✓	B. Reshma
9	19X41A1209					✓	B. Lakshma
10	19X41A1210					✓	B. Venky
11	19X41A1211					✓	Naveen
12	19X41A1212				✓		Krupa Kishore
13	19X41A1213					✓	Unjire
14	19X41A1214					✓	chiphale
15	19X41A1215			✓			Dharaika
16	19X41A1216			✓		✓	D. Gayathri
17	19X41A1217						Bhavana D
18	19X41A1218					✓	D. Rakesh
19	19X41A1219					✓	G. Pragathi
20	19X41A1220					✓	G. Jyoti
21	19X41A1221					✓	G. S. Manjari
22	19X41A1222					✓	G. C. Vikram
23	19X41A1223					✓	J. S. Prasad
24	19X41A1224				✓		K. Manidev
25	19X41A1225				✓		K. Jayath
26	19X41A1226		✓			✓	K. Sai Peda
27	19X41A1227						K. Lakshma
28	19X41A1228					✓	Mouni
29	19X41A1229					✓	K. Manikanta
30	19X41A1230					✓	K. Manikanta
31	19X41A1231					✓	C. Mani

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S No	Roll No	Professional Elective-II					Student Signature
		Big Data Analytics	Social Networking	Ad-hoc and Sensor Networks	Cloud Computing	Design Patterns	
32	19X41A1232					✓	M. Maniket
33	19X41A1233					✓	Tejaswini
34	19X41A1235					✓	N. Harish
35	19X41A1236					✓	N. Anurath
36	19X41A1238					✓	V. Anurath
37	19X41A1239					✓	P. Geethika
38	19X41A1240				✓		Abhinav
39	19X41A1241				✓		P. Sumanth
40	19X41A1242			✓			P. Kesava
41	19X41A1243			✓			V. Harish
42	19X41A1244					✓	P. Harshith
43	19X41A1245					✓	R. Geethika
44	19X41A1246					✓	Sai Tejaswini
45	19X41A1247					✓	S. Siva
46	19X41A1248					✓	P. Prathibha
47	19X41A1249					✓	SK. Sameer
48	19X41A1250					✓	C. Lakshmi
49	19X41A1252					✓	T. Uma Lakshmi
50	19X41A1253					✓	T. Divya
51	19X41A1254					✓	U. Kalya
52	19X41A1255					✓	V. Aravind
53	19X41A1256					✓	V. Harisha

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HOD/Date 29/10/22

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LIST OF ELECTIVES (MOOCS) OFFERED, CHOICE EXERCISED BY STUDENTS

Academic Year: 2022-2023

Year/Semester : IV/II

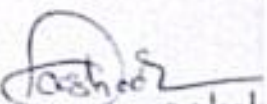
S No	Roll No	Professional Elective-IV					Student Signature
		Distributed Systems	DevOps	Internet of Things	Data Science	Biometrics	
1	19X41A1201			✓			Ab. baseem
2	19X41A1202			✓			A.S.Anjali
3	19X41A1203			✓			A.Hemant
4	19X41A1204			✓			A.Thanvi
5	19X41A1205			✓			A.Srinivas
6	19X41A1206			✓			B.Sri Balasubrah
7	19X41A1207			✓			B.Rechman
8	19X41A1208			✓			B.Lohitha
9	19X41A1209				✓		B.Venkay
10	19X41A1210			✓			Namul
11	19X41A1211			✓			Prasanna
12	19X41A1212			✓			Sudhakar
13	19X41A1213			✓			chepala
14	19X41A1214			✓			D.Haridra
15	19X41A1215		✓				D.Gayathri
16	19X41A1216		✓				Bharathi D
17	19X41A1217			✓			D.Pavithra
18	19X41A1218			✓			G.Bharathi
19	19X41A1219			✓			G. Deepa
20	19X41A1220			✓			G. Chaitanya
21	19X41A1221			✓			G.C.Viskani
22	19X41A1222			✓			T.Krishnapras
23	19X41A1223			✓			K.Srinivas
24	19X41A1224			✓			K.Srinivas
25	19X41A1225			✓			K.Sri Prade
26	19X41A1226					✓	K.Ravi
27	19X41A1227					✓	Mouni
28	19X41A1228			✓			K.Chandana
29	19X41A1229			✓			K.Vasanthi
30	19X41A1230			✓			L.Nani
31	19X41A1231		✓				Prasanna

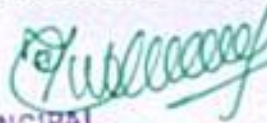
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S No	Roll No	Professional Elective-IV					Student Signature
		Distributed Systems	DevOps	Internet of Things	Data Science	Biometrics	
32	19X41A1232			✓			M. Mani
33	19X41A1233			✓			Tejashwini
34	19X41A1235			✓			K. Harish
35	19X41A1236		✓				N. Anmesh
36	19X41A1238			✓			V. Anusha
37	19X41A1239			✓			P. Geethika
38	19X41A1240			✓			Abhinav P
39	19X41A1241			✓			P. Swarnika
40	19X41A1242			✓			P. Kalashani
41	19X41A1243			✓			Y. Harshitha
42	19X41A1244				✓		P. Harshitha
43	19X41A1245			✓			R. Geethika
44	19X41A1246			✓			Sri Tejaswini
45	19X41A1247			✓			S. Sree
46	19X41A1248		✓				P. Prathima
47	19X41A1249			✓			SK. Sameer
48	19X41A1250			✓			S. Lakshmi
49	19X41A1252			✓			T. Uma Sakthi
50	19X41A1253			✓			T. Divya
51	19X41A1254			✓			V. Kaalya
52	19X41A1255			✓			V. Aravind
53	19X41A1256			✓			V. Harshitha


HOD/Date 28/10/20


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LIST OF ELECTIVES (MOOCS) OFFERED, CHOICE EXERCISED BY STUDENTS

Academic Year: 2022-2023

Year/Semester : III/II

S No	Roll No	Professional Elective-II				Student Signature
		Mobile Computing	MEAN Stack Development	Design Patterns	Scripting Languages	
1	20X41A1201			✓		Hijeth
2	20X41A1202			✓		B.V. Reddy
3	20X41A1203			✓		P. Sai Kiritha
4	20X41A1204			✓		A. Shwaga
5	20X41A1205			✓		Ch. Ragai
6	20X41A1206			✓		Ch. Swapna
7	20X41A1207	✓		✓		Ch. Swapna
8	20X41A1208		✓			Ch. Poojitha
9	20X41A1209			✓		E. Bhavana
10	20X41A1210			✓		Abhinaya
11	20X41A1211			✓		G. Hinali
12	20X41A1212			✓		G. Seetha
13	20X41A1213		✓			S. Jaikeerthi
14	20X41A1214			✓		T. Anandhi
15	20X41A1215			✓		J. Anuradha
16	20X41A1216			✓		K. S. K. Varma
17	20X41A1217			✓		K. Siddhanta
18	20X41A1218			✓		K. Meghana
19	20X41A1220		✓			K. Yashini
20	20X41A1221			✓		K. Siva Sai
21	20X41A1222		✓			M. Anandhi
22	20X41A1223			✓		M. Shwaga
23	20X41A1224			✓		M. Jayashree
24	20X41A1225			✓		M. Anandhi
25	20X41A1226			✓		Md. Shajiyah
26	20X41A1227			✓		M. Anandhi
27	20X41A1228			✓		A. K. S.
28	20X41A1229		✓			T. S.
29	20X41A1230		✓			Hijeth
30	20X41A1231			✓		B. Anandhi
31	20X41A1232			✓		N. R. Anandhi

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S No	Roll No	Professional Elective-II				Student Signature
		Mobile Computing	MEAN Stack Development	Design Patterns	Scripting Languages	
32	20X41A1233			✓		shudheep
33	20X41A1234			✓		N. Gokul
34	20X41A1235			✓		P. Chinna Prasad
35	20X41A1236			✓		V. Ananth Kumar
36	20X41A1237			✓		Ravi Shankar
37	20X41A1239			✓		Sandeep
38	20X41A1240			✓		P. Saiya
39	20X41A1241			✓		D. Karthik
40	20X41A1242			✓		R. Sankar
41	20X41A1243			✓		R. Ganesh
42	20X41A1244			✓		P. Saiya
43	20X41A1245			✓		S. Srinivas
44	20X41A1246		✓			D. Srinivas
45	20X41A1247		✓			R. Dada
46	20X41A1248			✓		R. Y. Pram Kumar
47	20X41A1249			✓		S. K. Darshini
48	20X41A1250			✓		Sh. Madhubee
49	20X41A1251			✓		S. Kumar
50	20X41A1252			✓		S. Saiya
51	20X41A1253		✓			S. Saiya
52	20X41A1254			✓		S. Saiya
53	20X41A1255			✓		S. Saiya
54	20X41A1256		✓			V. Mahesh
55	20X41A1257			✓		V. Ramyashri
56	20X41A1258			✓		V. Anushka
57	20X41A1259			✓		V. Ravi Kumar
58	20X41A1260			✓		V. Soeja
59	20X41A1262			✓		S. Saiya
60	21X45A1201			✓		S. Saiya
61	21X45A1202			✓		BVSR Krishna
62	21X45A1203			✓		Chitra Varun
63	21X45A1204			✓		C. Lakshita
64	21X45A1205			✓		M. N. Varun
65	21X45A1206		✓	✓		M. Neel
66	21X45A1207	✓		✓		D. Mahesh
67	21X45A1208			✓		P. Raji Prasad

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
KAKINADA – 533 003, Andhra Pradesh, India

MASTER OF COMPUTER APPLICATIONS (MCA)
(For Two-Year PG Programme)

COURSE STRUCTURE AND SYLLABUS
For PG – R20

MASTER OF COMPUTER APPLICATIONS (MCA)
(For Two-Year PG Programme)

(Applicable for batches admitted from 2020-21)



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

KAKINADA - 533 003, Andhra Pradesh, India

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KAKINADA – 533 003, Andhra Pradesh, India

MASTER OF COMPUTER APPLICATIONS (MCA)
(For Two-Year PG Programme)
COURSE STRUCTURE



I Semester

S.No	Course Code	Course Name	Category	L	T	P	Credits
1	MCA1101	Business Communication	BS&H	2	0	0	2
2	MCA1102	Mathematical and Statistical Foundations	BS&H	3	0	0	3
3	MCA1103	Computer Organization & Operating Systems	PC	3	1	0	4
4	MCA1104	Data Structures	PC	3	0	0	3
5	MCA1105	Object Oriented Programming with JAVA	PC	3	0	0	3
6	MCA1106	Operating Systems and Linux Lab	PC	0	0	3	1.5
7	MCA1107	Data Structures Lab	PC	0	0	3	1.5
8	MCA1108	JAVA Programming Lab	PC	0	0	3	1.5
9	MCA1109	Socially Relevant Project using Design Thinking	MC	0	0	1	0.5
Total				15	1	10	20

II Semester

S.No	Course Code	Course Name	Category	L	T	P	Credits
1	MCA2101	Database Management Systems	PC	3	0	0	3
2	MCA2102	Computer Networks	PC	3	0	0	3
3	MCA2103	Software Engineering and Design Patterns	PC	3	0	0	3
4	MCA2104	Data Warehousing and Mining	PC	3	0	0	3
5	MCA2105	Elective-I <ul style="list-style-type: none"> • No SQL Databases • Design and Analysis of Algorithms • Mobile Application Development • Artificial Intelligence • Accounting for Managers 	PE	3	0	0	3
6	MCA2106	DBMS Lab	PC	0	0	3	1.5
7	MCA2107	Computer Networks Lab	PC	0	0	3	1.5
8	MCA2108	Software Engineering and Design Patterns Lab	PC	0	0	3	1.5
9	MCA2109	Employability Skills	MC	0	0	1	0.5
10	MCA2110	Bridge Course (Python Programming to be taken through MOOCs)	MC	0	0	0	0
Total				15	0	10	20

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CIRCULAR

Date: 28/02/2023

The following subjects are offered as elective subjects for MCA II Semester students for the academic year 2022-2023 (R20 Regulation) by the JNTUK University. Hence all the students are instructed to choose the Elective-I subjects among the options in the given proforma, on or before 10/03/2023. The syllabus copies are enclosed.

Elective – I:

1. No SQL Databases
2. Design and Analysis of Algorithms
3. Mobile Application Development
4. Artificial Intelligence
5. Accounting for Managers

M. Antti
HOD

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 Department of Master of Computer Applications
LIST OF ELECTIVES OFFERED, CHOICE
EXERCISED BY STUDENTS

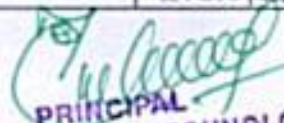


SRKIT / MCA / 73

Academic Year: 2022-23

Year/ Semester: I/II

S No	ROLL NO	Elective- I					Signature of the Student
		Subject:1 NOSQL	Subject:2 DAA	Subject:3 MAD	Subject:4 AI	Subject:5 AM	
1	22X41F0001	✓					A. Mayi
2	22X41F0002	✓					ABDUL RAHEEM
3	22X41F0003	✓					A. Vasavi
4	22X41F0004	✓					B. Praveen
5	22X41F0005	✓					Swarajya
6	22X41F0006	✓					B. Mohan
7	22X41F0007	✓					P. Srinivas
8	22X41F0008	✓					B. Sakant
9	22X41F0009	✓					B. Purushoth
10	22X41F0010	✓					B. Nikhita
11	22X41F0011	✓					Ch. Harini
12	22X41F0012	✓					Ch. Shanthi
13	22X41F0013	✓					Ch. Lakshmi
14	22X41F0014	✓					S. Ravani
15	22X41F0015	✓					D. Anitha
16	22X41F0016	✓					G. Manjula
17	22X41F0017	✓					G. Poornima
18	22X41F0018	✓					J. Revathi
19	22X41F0019	✓					J. Vidya Gayatri
20	22X41F0020	✓					J. Vinay
21	22X41F0021	✓					K. D. R. K.
22	22X41F0022	✓					K. V. Prasad
23	22X41F0023	✓					K. V. Sai Ravi
24	22X41F0024	✓					G. Ranja
25	22X41F0025	✓					K. Chaitanya
26	22X41F0026	✓					K. G. Harini
27	22X41F0027	✓					K. S. Ravi
28	22X41F0028	✓					K. Sri Ram


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 Department of Master of Computer Applications
LIST OF ELECTIVES OFFERED, CHOICE
EXERCISED BY STUDENTS



SRKIT / MCA / 73

S No	ROLL NO	Elective- I					Signature of the Student
		Subject:1 NOSQL	Subject:2 DAA	Subject:3 MAD	Subject:4 AI	Subject:5 AM	
29	22X41F0029	✓					K. tarith
30	22X41F0030	✓					k. madhavi
31	22X41F0031	✓					k. Bindu
32	22X41F0032	✓					Dhruva
33	22X41F0033	✓					P. Lakshmi
34	22X41F0034	✓					L. Sravani
35	22X41F0035	✓					
36	22X41F0036	✓					
37	22X41F0037	✓					M. Shweta
38	22X41F0038	✓					M. Pravalika
39	22X41F0039	✓					M. S. K.
40	22X41F0040	✓					M. V. Shwari
41	22X41F0041	✓					MD Zeena R
42	22X41F0042	✓					N. K. Daisy
43	22X41F0043	✓					P. Lalitha
44	22X41F0044	✓					P. Mani Depta
45	22X41F0045	✓					P. Deepa Nair
46	22X41F0046	✓					P. J. Lakshmi
47	22X41F0047	✓					P. Bhavani
48	22X41F0048	✓					P. Rajyalakshmi
49	22X41F0049	✓					G. Sri Latha
50	22X41F0050	✓					P. Geetha
51	22X41F0051	✓					P. Sandhya Lakshmi
52	22X41F0052	✓					R. Bharathi
53	22X41F0053	✓					R. Shweta
54	22X41F0054	✓					S. Neerava
55	22X41F0055	✓					S. Anuradha
56	22X41F0056	✓					S. Akhila
57	22X41F0057	✓					S. Kalpana

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Department of Master of Computer Applications
**LIST OF ELECTIVES OFFERED, CHOICE
EXERCISED BY STUDENTS**





SRKIT / MCA / 73

S No	ROLL NO	Elective- I					Signature of the Student
		Subject:1 NOSQL	Subject:2 DAA	Subject:3 MAD	Subject:4 AI	Subject:5 AM	
58	22X41F00058	✓					Sk. Manjhi
59	22X41F00059	✓					S. Lakshmi
60	22X41F00060	✓					T. Sonia
61	22X41F00061	✓					T. Gayathri
62	22X41F00062	✓					M. Madhavi
63	22X41F00063	✓					Pradeep
64	22X41F00064	✓					Ravi
65	22X41F00065	✓					Y. Lakshmi
66	22X41F00066	✓					Y. Sankar

M. S. S. S.
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CIRCULAR

Date: 15/03/2023

This is to inform all the students of MCA II Semester, as per the options given by the students, the departmental academic committee decided to offer **NOSQL Database** subject as Elective-I, for the academic year 2022-23. Student roll lists for electives are enclosed.

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Exam section
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HOD

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
KAKINADA – 533 003, Andhra Pradesh, India

MASTER OF COMPUTER APPLICATIONS (MCA)
(For Two-Year PG Programme)

COURSE STRUCTURE AND SYLLABUS
For PG – R20

MASTER OF COMPUTER APPLICATIONS (MCA)
(For Two-Year PG Programme)

(Applicable for batches admitted from 2020-21)



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

KAKINADA - 533 003, Andhra Pradesh, India

A handwritten signature in green ink, likely belonging to the Principal of SRK Institute of Technology.

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
KAKINADA – 533 003, Andhra Pradesh, India

MASTER OF COMPUTER APPLICATIONS (MCA)
(For Two-Year PG Programme)

III Semester

S.No	Course Code	Course Name	Category	L	T	P	Credits
1	MCA3101	Machine Learning with Python	PC	3	0	0	3
2	MCA3102	Internet of Things	PC	3	0	0	3
3	MCA3103	Web Technologies	PC	3	0	0	3
4	MCA3104	Cryptography and Network Security	PC	3	0	0	3
5	MCA3105	Elective-II <ul style="list-style-type: none"> • Soft Computing • Software Project Management • Cloud Computing • Optimization Techniques • Cyber Security 	PE	3	0	0	3
6	MCA3106	Machine Learning with Python Lab	PC	0	0	3	1.5
7	MCA3107	IoT Lab	PC	0	0	3	1.5
8	MCA3108	Web Technologies Lab	PC	0	0	4	2
9	MCA3109	Internship / Industry Oriented Mini Project/ Skill Development Course (Minimum 6-weeks)	PR	0	0	0	2
Total				15	0	10	22

IV Semester

S.No	Course Code	Course Name	Category	L	T	P	Credits
1	MCA4101	Elective-III * <ul style="list-style-type: none"> • Digital Marketing • Human Resource Management • Deep Learning • Ad-hoc and Sensor Networks • MOOCs-1 (NPTEL/SWAYAM) - Full Stack Technologies - Any recommended course 	PE	3	0	0	3
2	MCA4102	Elective-IV * <ul style="list-style-type: none"> • Network Programming • Block Chain technologies • Software Testing Methodologies • Big Data Analytics • MOOCs-2 (NPTEL/SWAYAM) -Data Science -Any recommended course 	PE	3	0	0	3
3	MCA4103	Project Work/ Dissertation	PR	0	0	0	12
Total				6	0	0	18

*Students going for Industrial Project/Thesis will complete these courses through MOOCs (even in earlier semester)


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Department of Master of Computer Applications



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Date: 13/02/2023

The following subjects are offered as elective subjects for II MCA, II Semester Master of Computer Applications students for the academic year 2022-23 (R20 Regulation) by the JNTUK University. Hence all the students are instructed to choose the Elective- III subjects among the options in the given proforma, on or before 16/02/2023. The syllabus copies are enclosed.

Professional Elective- III

1. Digital Marketing
2. Human Resource Management
3. Deep Learning
4. Ad-hoc and Sensor Networks
5. MOOCs-1 (NPTEL/SWAYAM)
- Full Stack Technologies

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Department of Master of Computer Applications
LIST OF ELECTIVES OFFERED, CHOICE
EXERCISED BY STUDENTS



SRKIT / MCA / 73

Academic Year: 2022-23

Year/ Semester: II/II

S No	ROLL NO	Professional Elective- IV					Signature of the Student
		Subject:1 DM	Subject:2 HRM	Subject:3 DL	Subject:4 Ad-hoc	Subject:5 MOOCS-1	
1	21X41F001		✓				Sai Rupa
2	21X41F002		✓				A. Sathish
3	21X41F003		✓				L. Kitha
4	21X41F004		✓				S. Sathish
5	21X41F005		✓				B. Ravi
6	21X41F006		✓				B. Rajesh
7	21X41F007		✓				Jegadevi
8	21X41F008		✓				Chandra Sai
9	21X41F009		✓				Prasanna
10	21X41F010			✓			Vamsidhar
11	21X41F011		✓				Ch. Sathi
12	21X41F012		✓				Ch. Deepika
13	21X41F013		✓				D. Geetha
14	21X41F014		✓				R. Chandika
15	21X41F015		✓				G. Yashu
16	21X41F016		✓				G. Sai
17	21X41F017		✓				Lakshmi
18	21X41F018		✓				G. Lakshmi Devi
19	21X41F019		✓				G. Mahathi
20	21X41F020		✓				G. Gowthami
21	21X41F021		✓				S. Naga Saunya
22	21X41F022		✓				G. Lakshmi
23	21X41F023		✓				K. Kangni
24	21X41F024		✓				K. Pranita
25	21X41F025		✓				K. Kalpana
26	21X41F026		✓				R. Manika
27	21X41F027		✓				K. Priyanka
28	21X41F028		✓				K. Ashmita
29	21X41F029		✓				K. Chaitanya
30	21X41F030		✓				N. Kitha
31	21X41F031		✓				K. Saideepika

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 Department of Master of Computer Applications
**LIST OF ELECTIVES OFFERED, CHOICE
 EXERCISED BY STUDENTS**



SRKIT / MCA / 73

S No	ROLL NO	Professional Elective- IV					Signature of the Student
		Subject:1 DM	Subject:2 HRM	Subject:3 DL	Subject:4 Ad-hoc	Subject:5 MOOCS-1	
34	21X41F034		✓				venkatajai
35	21X41F035			✓			Sudhakar
36	21X41F036		✓				Chaitrika
37	21X41F037		✓				Om Sri
38	21X41F038		✓				Vasunathi
39	21X41F039		✓				P. Homath
40	21X41F040		✓				P. Lakshmi
41	21X41F041		✓				P. Jayas
42	21X41F042		✓				P. M. Shub
43	21X41F043		✓				Saiprasanna
44	21X41F044		✓				Prithvi
45	21X41F045		✓				Niscenthina
46	21X41F046		✓				S. Anasudha
47	21X41F047		✓				Manojkanyas
48	21X41F048		✓				S. S. Suresh
49	21X41F049		✓				S. Pavani
50	21X41F050		✓				SK. Anjaney
51	21X41F051		✓				S. Rama
52	21X41F052		✓				SK. Shabana
53	21X41F053		✓				SK. Shree
54	21X41F054		✓				S. Geethika
55	21X41F055		✓				T. Chandana
56	21X41F057		✓				P. Deekshitha
57	21X41F058		✓				T. Sowmya
58	21X41F059						V. I. Laxmi
59	21X41F060		✓				P. Anuradha
60	21X41F061		✓				P. Jayasri
61	21X41F063		✓				Y. Anuradha
62	21X41F064		✓				Y. Anuradha
63	21X41F065		✓				Y. Srinivasa
64	21X41F066		✓				Y. Manisha

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Date: 13/02/2023

The following subjects are offered as elective subjects for II MCA, II Semester Master of Computer Applications students for the academic year 2022-23 (R20 Regulation) by the JNTUK University. Hence all the students are instructed to choose the Elective- IV subjects among the options in the given proforma, on or before 16/02/2023. The syllabus copies are enclosed.

Professional Elective- IV

1. Network Programming
2. Block Chain technologies
3. Software Testing Methodologies
4. Big Data Analytics
5. MOOCs-2 (NPTEL/SWAYAM)
-Data Science

Copy to: Class Incharge

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P. S. S.

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 Department of Master of Computer Applications
LIST OF ELECTIVES OFFERED, CHOICE
EXERCISED BY STUDENTS



SRKIT / MCA / 73

Academic Year: 2022-23

Year/ Semester: II/II

S No	ROLL NO	Professional Elective- IV					Signature of the Student
		Subject:1 NP	Subject:2 BCT	Subject:3 STM	Subject:4 BDA	Subject:5 MOOCS-2	
1	21X41F001			✓			Sridurga
2	21X41F002			✓			A. Sathul
3	21X41F003			✓			Likitha
4	21X41F004	✓					Srikari
5	21X41F005			✓			B. Ravi
6	21X41F006			✓			A. Rajesh
7	21X41F007			✓			Tejaswini
8	21X41F008			✓			Chandana Sai
9	21X41F009			✓			Pranav
10	21X41F010			✓			Vamshidhar
11	21X41F011			✓			Ch. Swathi
12	21X41F012			✓			Ch. Deepika
13	21X41F013			✓			D. Geetha
14	21X41F014			✓			R. Chandini
15	21X41F015			✓			G. Yashu
16	21X41F016			✓			G. Ravi
17	21X41F017			✓			Lakshmi
18	21X41F018			✓			G. Lakshmi Durga
19	21X41F019			✓			G. Mahathi
20	21X41F020			✓			G. Gowthami
21	21X41F021			✓			G. Naga Sanyasa
22	21X41F022			✓			G. Lakshmi
23	21X41F023			✓			K. Varun
24	21X41F024			✓			K. Pragathi
25	21X41F025			✓			K. Kalyan
26	21X41F026			✓			R. Mounika
27	21X41F027			✓			K. Priyanka
28	21X41F028			✓			K. Shweta
29	21X41F029			✓			K. Chaitanya
30	21X41F030			✓			Nithya
31	21X41F031			✓			K. Saijesh

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 Department of Master of Computer Applications
**LIST OF ELECTIVES OFFERED, CHOICE
 EXERCISED BY STUDENTS**



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S No	ROLL NO	Professional Elective- IV					Signature of the Student
		Subject:1 NP	Subject:2 BCT	Subject:3 STM	Subject:4 BDA	Subject:5 MOOCS-2	
34	21X41F034			✓			Venkata Sai
35	21X41F035		✓				Saritha Sai
36	21X41F036			✓			Chaitriken
37	21X41F037			✓			Om Sai
38	21X41F038			✓			Valluamathi
39	21X41F039			✓			P. Harman
40	21X41F040			✓			Prakash An
41	21X41F041			✓			P. Jay
42	21X41F042			✓			Pal Sita
43	21X41F043			✓			Sai Praveen
44	21X41F044			✓			Harithik
45	21X41F045			✓			Riseesha
46	21X41F046			✓			Jeevitha
47	21X41F047			✓			Manthaprasad
48	21X41F048			✓			Sai An
49	21X41F049			✓			S. Polkan
50	21X41F050			✓			Sk. Rajunnesa
51	21X41F051			✓			Sk. Ravi
52	21X41F052			✓			Sk. Chabeena
53	21X41F053			✓			SK. Shasif
54	21X41F054			✓			S. Geethika
55	21X41F055			✓			T. Chandana
56	21X41F057			✓			T. Dakshitha
57	21X41F058			✓			T. Sunanda
58	21X41F059			✓			V. Mohan
59	21X41F060			✓			Raja Gowari
60	21X41F061			✓			P. Japasi
61	21X41F063			✓			Y. Anurath
62	21X41F064			✓			Y. Anulaya
63	21X41F065			✓			Y. Srinivas
64	21X41F066			✓			Y. Manisha

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Department of Master of Computer Applications



CIRCULAR

Date: 17/02/2023

This is to inform all the students of MCA IV Semester, as per the options given by the students, the departmental academic committee decided to offer **Human Resource Management** subject as Elective-III, and **Software Testing Methodologies** subject as Elective-IV for the academic year 2022-23. Student roll lists for electives are enclosed.

M. Dutt
HOD MCA

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
KAKINADA – 533 003, Andhra Pradesh, India

MASTER OF COMPUTER APPLICATIONS (MCA)
(For Two-Year PG Programme)

COURSE STRUCTURE AND SYLLABUS
For PG – R20

MASTER OF COMPUTER APPLICATIONS (MCA)
(For Two-Year PG Programme)

(Applicable for batches admitted from 2020-21)



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

KAKINADA - 533 003, Andhra Pradesh, India

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
KAKINADA – 533 003, Andhra Pradesh, India

MASTER OF COMPUTER APPLICATIONS (MCA)
(For Two-Year PG Programme)

III Semester

S.No	Course Code	Course Name	Category	L	T	P	Credits
1	MCA3101	Machine Learning with Python	PC	3	0	0	3
2	MCA3102	Internet of Things	PC	3	0	0	3
3	MCA3103	Web Technologies	PC	3	0	0	3
4	MCA3104	Cryptography and Network Security	PC	3	0	0	3
5	MCA3105	Elective-II <ul style="list-style-type: none"> • Soft Computing • Software Project Management • Cloud Computing • Optimization Techniques • Cyber Security 	PE	3	0	0	3
6	MCA3106	Machine Learning with Python Lab	PC	0	0	3	1.5
7	MCA3107	IoT Lab	PC	0	0	3	1.5
8	MCA3108	Web Technologies Lab	PC	0	0	4	2
9	MCA3109	Internship / Industry Oriented Mini Project/ Skill Development Course (Minimum 6-weeks)	PR	0	0	0	2
Total				15	0	10	22

IV Semester

S.No	Course Code	Course Name	Category	L	T	P	Credits
1	MCA4101	Elective-III * <ul style="list-style-type: none"> • Digital Marketing • Human Resource Management • Deep Learning • Ad-hoc and Sensor Networks • MOOCs-1 (NPTEL/SWAYAM) - Full Stack Technologies - Any recommended course 	PE	3	0	0	3
2	MCA4102	Elective-IV * <ul style="list-style-type: none"> • Network Programming • Block Chain technologies • Software Testing Methodologies • Big Data Analytics • MOOCs-2 (NPTEL/SWAYAM) -Data Science -Any recommended course 	PE	3	0	0	3
3	MCA4103	Project Work/ Dissertation	PR	0	0	0	12
Total				6	0	0	18

*Students going for Industrial Project/Thesis will complete these courses through MOOCs (even in earlier semester)

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Department of Master of Computer Applications



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Date: 28/09/2022

The following subjects are offered as elective subjects for I MCA,II Semester Master of Computer Applications students for the academic year 2022-23 (R20 Regulation) by the JNTUK University. Hence all the students are instructed to choose the Elective- II subjects among the options in the given proforma, on or before 01/10/2022. The syllabus copies are enclosed.

Elective- II

1. Soft Computing
2. Software Project Management
3. Cloud Computing
4. Optimization Techniques
5. Cyber Security

M. Srinth
HOD

Copy to: Class Incharge

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 Department of Master of Computer Applications



Academic Year: 2022-23 Year/ Semester: II/III

ROLL NO	Elective- II					Signature of the Student
	Subject:1 SC	Subject:2 SPM	Subject:3 CC	Subject:4 OT	Subject:5 CS	
21X41F0001		✓				S. Divya
21X41F0002		✓				A. Saithoor
21X41F0003		✓				L. Priya
21X41F0004		✓				Saithoor
21X41F0005		✓				B. Ravi
21X41F0006		✓				B. Rajesh
21X41F0007		✓				Tejashwini
21X41F0008		✓				Chandrasai
21X41F0009		✓				
21X41F0010		✓				Vamsidhar
21X41F0011		✓				Ch. Swathi
21X41F0012		✓				Ch. Deepika
21X41F0013		✓				D. Geetha
21X41F0014		✓				R. Chandrika
21X41F0015		✓				J. Yasmeen
21X41F0016		✓				G. Purni
21X41F0017		✓				K. Shwini
21X41F0018		✓				G. Lakshmi Durga
21X41F0019		✓				G. Mohithi
21X41F0020		✓				G. Gowthami
21X41F0021		✓				Naga Sanyasa
21X41F0022		✓				G. Laxmi
21X41F0023		✓				K. Yamini
21X41F0024		✓				J. Pragathi
21X41F0025		✓				K. Kalyani
21X41F0026		✓				R. Manika

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 (ISO 9001:2015 Certified Institution)
 Department of Master of Computer Applications



S No	ROLL NO	Elective- II					Signature of the Student
		Subject:1 SC	Subject:2 SPM	Subject:3 CC	Subject:4 OT	Subject:5 CS	
27	21X41F0027						k.priyanka
28	21X41F0028	✓	✓				K.Ashwika
29	21X41F0029		✓				K.chaithanya
30	21X41F0030		✓				Kilina
31	21X41F0031		✓				k.seethapriya
32	21X41F0032		✓				Neeva
33	21X41F0033		✓				Bindu
34	21X41F0034		✓				Venkateshi
35	21X41F0035	✓					Sultha ch
36	21X41F0036		✓				chaitrika
37	21X41F0037		✓				om sai
38	21X41F0038		✓				Vasumathi
39	21X41F0039		✓				P. Hemath
40	21X41F0040		✓				P.lakshmi
41	21X41F0041		✓				P.Tanya
42	21X41F0042		✓				P.N. Sri
43	21X41F0043		✓				Sai Praveen
44	21X41F0044		✓				Haritha
45	21X41F0045		✓				Nisarghina
46	21X41F0046		✓				Jayasath
47	21X41F0047		✓				Nandakumari
48	21X41F0048		✓				Satya
49	21X41F0049		✓				S.pava
50	21X41F0050		✓				sk.fajumasa
51	21X41F0051		✓				sh.Pooja

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Kakinada
(ISO 9001:2015 Certified Institution)
Department of Master of Computer Applications



S No	ROLL NO	Elective- II					Signature of the Student
		Subject:1 SC	Subject:2 SPM	Subject:3 CC	Subject:4 OT	Subject:5 CS	
52	21X41F0052		✓				SK. Shaheen
53	21X41F0053		✓				SK. Shasif
54	21X41F0054		✓				S. Geetha
55	21X41F0055		✓				T. Chandana
56	21X41F0056		✓				T. Sai Krishna
57	21X41F0057		✓				T. Rakshita
58	21X41F0058		✓				T. Swamy
59	21X41F0059		✓				V. Monisha
60	21X41F0060		✓				R. Rajan
61	21X41F0061		✓				P. Jassi
62	21X41F0062		✓				V. Yashwanth
63	21X41F0063		✓				V. Neelash
64	21X41F0064		✓				V. Anubha
65	21X41F0065		✓				V. Srinivas
66	21X41F0066	✓					V. Manisha

M. Anita
HOD

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Department of Master of Computer Applications



CIRCULAR

Date: 10/10/2022

This is to inform all the students of MCA III Semester, as per the options given by the students, the departmental academic committee decided to offer **Software Project Management** subject as Elective-II for the academic year 2022-23. Student roll lists for electives are enclosed.

M. Srinitha
HOD MCA

Copy to: Faculty
Principal office
Exam section
Notice Board

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DEPARTMENT OF BUSINESS ADMINISTRATION



Date: 25-10-2022

CIRCULAR

This is to inform all the students of I MBA, as per the JNTUK R19 Regulations First semester MBA students have to choose one open elective course among three courses given in syllabus copy by JNTUK Kakinada, hence all the students are instructed to choose one open elective among three courses on or before **29/10/2022**. The details of options along with detailed course syllabus are attached.

Encl: Detailed optional courses for Open elective.

TKS

Class in charge

P. Ganesan
HOD-MBA

[Signature]

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ACADEMIC REGULATIONS
COURSE STRUCTURE & DETAILED SYLLABUS

For

MASTER OF BUSINESSADMINISTRATION

(Applicable for the batches admitted from 2019-20)



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
KAKINADA – 533003, ANDHRA PRADESH, INDIA

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I YEAR I SEMESTER							
S.No	Course Code	Courses	Marks	L	T	P	C
1	C-101	Management and Organizational Behavior	100	4	0	0	4
2	C-102	Managerial Economics	100	4	0	0	4
3	C-103	Accounting for Managers	100	4	0	0	4
4	C-104	Quantitative Analysis for Business Decisions	100	4	0	0	4
5	C-105	Legal and Business Environment	100	4	0	0	4
6	C-106	Business Communication and Soft skills	100	4	0	0	4
7	C-107 Open Elective	Cross Cultural Management Rural Innovation projects MOOCs : SWAYAM/NPTEL- Related to Management Courses other than listed courses in the syllabus	100	4	0	0	4
8	C-108	Business Communication and Soft skills Lab	50	0	0	2	2
9	C-109	Information Technology – Lab1(Spreadsheet and Tally)	50	0	0	2	2
Total			800	28	0	4	32

I YEAR II SEMESTER							
S.No	Course Code	Courses	Marks	L	T	P	C
1	C-201	Financial Management	100	4	0	0	4
2	C-202	Human Resource Management	100	4	0	0	4
3	C-203	Marketing Management	100	4	0	0	4
4	C-204	Operations Management	100	4	0	0	4
5	C-205	Business Research Methods	100	4	0	0	4
6	C-206 open elective	Project Management Technology Management Lean Management Database Management System	100	4	0	0	4
7	C-207	IT-lab 2(Programming R)	50	0	0	2	2
Total			650	24	0	2	26


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 DEPARTMENT OF BUSINESS ADMINISTRATION



ACADEMIC YEAR 2022-2023

**MBA I YEAR I SEM 2022 ADMITTED BATCH
 OPEN ELECTIVES OFFERED SHEET**

S.No	Roll No.	Name of the Student	CCM	RIP	MOOCS: SWAYAM / NPTEL		STUDENT SIGNATURE
					DA DM	LII	
1	22X41E0001	ABDUL RAHEEMA BEGUM	✓				Ab.Raheema Begum
2	22X41E0002	AKURI DIVYA	✓				A. Divya
3	22X41E0003	ALAMANDA RAMESH KUMAR	✓				Al.Ram.ku
4	22X41E0004	ANUMUKONDA KESAVA NAGA BHARATH	✓				An.Kesava
5	22X41E0005	BALIBOYINA ANUSHA		✓			B-Anusha
6	22X41E0006	BANKURU PAVAN SAI	✓				B.Pavan Sai
7	22X41E0007	BODROTHU KARTHEEK MURALI	✓				B.Karthheekmurali
8	22X41E0008	BOLLEM VASAVI	✓				B.Vasavi
9	22X41E0009	CHEBOINA MOHAN VENKATA SAI RAM	✓	✓			Mohan
10	22X41E0010	DANABOYINA ASHOK SAI	✓				D. Ashok Sai
11	22X41E0011	DASIKA VENKATA SAI KISHORE	✓				D.V. Sankishore
12	22X41E0012	DONKADA DILEEP KUMAR	✓				D. Dileep Kumar
13	22X41E0013	G MURALI MANOHAR BALAJI	✓				G.M.M. Balaji
14	22X41E0014	GONAM GAYATRI	✓				G. Gayathri
15	22X41E0015	GUJJARU TEJASWINI	✓				G. Tejaswini
16	22X41E0016	GURRAPU KARTHIK	✓				G. Karthik
17	22X41E0017	INDUPALLI SASI KIRAN	✓				I. Sankiran
18	22X41E0018	JALASUTRAM KOMALI	✓				Komali J
19	22X41E0019	JAMPANA SOVAMMA	✓				J. Sovamma
20	22X41E0020	JANJANAM MOUNIKA	✓				J. Mounika

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MBA I YEAR I SEM 2019 ADMITTED BATCH
OPEN ELECTIVES OFFERED SHEET

S.No	Roll No.	Name of the Student	CCM	RIP	MOOCS: SWAYAM / NPTEL		STUDENT SIGNATURE
					DA DM	LII	
21	22X41E0021	KADIYAM JAYA BABU	✓				K. Jaya Babu
22	22X41E0022	KAGITHA PAVANI KALYANI	✓				K.P. Kalyani
23	22X41E0023	KAMADI VARA PRASAD	✓				Prasad
24	22X41E0024	KAMMILI GANESH	✓				K. Ganesh
25	22X41E0025	KANDIMALLA NIKESH MANI KANTA	✓				K. Nikesh
26	22X41E0026	KANULLA RISHITHA	✓				K. Rishitha
27	22X41E0027	KARUMURI B N V S BHARGAVI	✓				K. Bhargavi
28	22X41E0028	KOMMINENI SIVA CHARAN	✓				K. Siva Charan
29	22X41E0029	KOPPULA RENUKA DURGA	✓				K. Renuka Durga
30	22X41E0030	KOTHA YAMINI	✓				K. Yamini
31	22X41E0031	KUMMARI AKHILA	✓				K. Akhila
32	22X41E0032	KUNDETI SAI SUDHA	✓				K. Saisudha
33	22X41E0033	LANKA LEELA SATYA KUMARI		✓			L. Leela Satya Kumari
34	22X41E0034	LANKA RAMYA SRI		✓			L. Ramya Sri
35	22X41E0035	MERANGI LAKSHMI NARAYANA	✓				M. Lakshmi Narayana
36	22X41E0036	MANNAM CHIRANJEEVI	✓				M. Chiranjeevi
37	22X41E0037	MEDISETTY HEMA VENKATA SUDHA NARESH	✓				M.H.V. Sudha Nareesh
38	22X41E0038	MEESALA USHA	✓				M. Usha
39	22X41E0039	MULPURI LAVANYA	✓				M. Lavanya
40	22X41E0040	NEMALIPURI SAI KALYAN	✓				N. Saikalayan
41	22X41E0041	NUNE RAKESH	✓				N. Rakesh
42	22X41E0042	PASUPULETI YOGESH	✓				P. Yogesh
43	22X41E0043	SHAIK BAJI	✓				Shaik Baji
44	22X41E0044	SHAIK LATHEEFA	✓				Sk. Latheefa
45	22X41E0045	SHAIK MOHAMADALI	✓				Sk. Mohd

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 DEPARTMENT OF BUSINESS ADMINISTRATION



**MBA I YEAR I SEM 2019 ADMITTED BATCH
 OPEN ELECTIVES OFFERED SHEET**

S.No	Roll No.	Name of the Student	CCM	RIP	MOOCS: SWAYAM / NPTEL		STUDENT SIGNATURE
					DA DM	LII	
46	22X41E0046	SHAIK NOORJAHAN	✓				Sf Noorjahan
47	22X41E0047	SHAKE SHABANA	✓				Sf. Shabana
48	22X41E0048	SINKA VAMSI KRISHNA	✓				S. Vamsikrishna
49	22X41E0049	SIVARAM PAVANI	✓				S. Pavani
50	22X41E0050	THANDRA SANDEEP KUMAR	✓				T. Sandeep
51	22X41E0051	TANGELLA DARIKA DEVI	✓				T. Darika
52	22X41E0052	THIPIREDDY VASANTHA LAKSHMI	✓				T. Vasantha Lakshmi
53	22X41E0053	THOTA RAVI RAJ	✓				T. Ravi Raj
54	22X41E0054	THOTA SIRISHA	✓				T. Sirisha
55	22X41E0055	VADLAMUDI KEERTHI	✓				V. Keerthi
56	22X41E0056	VANDANAPU VENKATA NAMRUTH SAI	✓				V. Namruth
57	22X41E0057	VANJARAPU NAVEEN	✓				V. Naveen
58	22X41E0058	YADLAPALLI ANIL KUMAR	✓				Y. Anil Kumar
59	22X41E0059	YENNETI GUNA SAMPATH		✓			Y. Guna Sampath
60	22X41E0060	PALLI VIJAYA BHASKAR		✓			P. Vijaya Bhaskar
61	22X41E0061	KESANASETTI SURESH GOPI	✓				K. Suresh Gopi
62	22X41E0062	VADDADI POORNA CHANDU	✓				V. Chandu
63	22X41E0063	SAIDU BHARGAV	✓				S. Bhargav
64	22X41E0064	DOGIPARTHI LAKSHMI VENKAT SAI RAM HARISH	✓				D. Harish
65	22X41E0065	YERAMREDDY NAGA MOHANA REDDY	✓				Y. Mohana Reddy
66	22X41E0066	YELINENI PREETHI		✓			Y. Preethi

DATE: 29/01/2022

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Date: 29-10-2022

CIRCULAR

This is to inform all the students of I MBA II Semester, as a response to the given circular dated on 25/10/2022 to choose electives, 60 students opted 'Cross Cultural Management' and only 6 students opted for 'Rural Innovation projects'. As majority of the students opted 'Cross Cultural Management', the department academic committee decided to offer the same that is 'CCM' subject to all the students.

[Handwritten Signature]
HOD-MBA

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Staff
Exam cell
Notice board

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**ACADEMIC REGULATIONS
COURSE STRUCTURE & DETAILED SYLLABUS**

For

MASTER OF BUSINESSADMINISTRATION
(Applicable for the batches admitted from 2019-20)



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
KAKINADA – 533003, ANDHRA PRADESH, INDIA


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ENIKERAPU, VIJAYAWADA-521 108.

I YEAR I SEMESTER							
S.No	Course Code	Courses	Marks	L	T	P	C
1	C-101	Management and Organizational Behavior	100	4	0	0	4
2	C-102	Managerial Economics	100	4	0	0	4
3	C-103	Accounting for Managers	100	4	0	0	4
4	C-104	Quantitative Analysis for Business Decisions	100	4	0	0	4
5	C-105	Legal and Business Environment	100	4	0	0	4
6	C-106	Business Communication and Soft skills	100	4	0	0	4
7	C-107 Open Elective	Cross Cultural Management Rural Innovation projects MOOCs : SWAYAM/NPTEL- Related to Management Courses other than listed courses in the syllabus	100	4	0	0	4
8	C-108	Business Communication and Soft skills Lab	50	0	0	2	2
9	C-109	Information Technology – Lab1(Spreadsheet and Tally)	50	0	0	2	2
Total			800	28	0	4	32

I YEAR II SEMESTER							
S.No	Course Code	Courses	Mark s	L	T	P	C
1	C-201	Financial Management	100	4	0	0	4
2	C-202	Human Resource Management	100	4	0	0	4
3	C-203	Marketing Management	100	4	0	0	4
4	C-204	Operations Management	100	4	0	0	4
5	C-205	Business Research Methods	100	4	0	0	4
6	C-206 open elective	Project Management Technology Management Lean Management Database Management System	100	4	0	0	4
7	C-207	IT-lab 2(Programming R)	50	0	0	2	2
Total			650	24	0	2	26


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DEPARTMENT OF BUSINESS ADMINISTRATION



ACADEMIC YEAR 2022-2023

**MBA I YEAR II SEM 2022 ADMITTED BATCH
OPEN ELECTIVES OFFERED SHEET**

S.No	Roll No.	Name of the Student	PM	TM	DBMS	LM	STUDENT SIGNATURE
1	22X41E0001	ABDUL RAHEEMA BEGUM		✓			Ab. Raheema Begum
2	22X41E0002	AKURI DIVYA		✓			A. Divya
3	22X41E0003	ALAMANDA RAMESH KUMAR		✓			A. Ramesh
4	22X41E0004	ANUMUKONDA KESAVA NAGA BHARATH		✓			A. Bharath
5	22X41E0005	BALIBOYINA ANUSHA		✓			B. Anusha
6	22X41E0006	BANKURU PAVAN SAI		✓			B. Pavan Sai
7	22X41E0007	BODROTHU KARTHEEK MURALI		✓			B. Karthik
8	22X41E0008	BOLLEM VASAVI		✓			B. Vasavi
9	22X41E0009	CHEBOINA MOHAN VENKATA SAI RAM	✓				Ch. Mohan
10	22X41E0010	DANABOYINA ASHOK SAI		✓			D. Ashok
11	22X41E0011	DASIKA VENKATA SAI KISHORE		✓			D. Sankishore
12	22X41E0012	DONKADA DILEEP KUMAR		✓			D. Dileep Kumar
13	22X41E0013	G MURALI MANOHAR BALAJI		✓			G.M.M. Balaji
14	22X41E0014	GONAM GAYATRI		✓			G. Gayatri
15	22X41E0015	GUJJARU TEJASWINI		✓			G. Tejaswini
16	22X41E0016	GURRAPU KARTHIK		✓			G. Karthik
17	22X41E0017	INDUPALLI SASI KIRAN		✓			I. Sankiran
18	22X41E0018	JALASUTRAM KOMALI		✓			J. Komali
19	22X41E0019	JAMPANA SOVAMMA	✓				J. Sovamma
20	22X41E0020	JANJANAM MOUNIKA		✓			J. Mounika


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**MBA I YEAR II SEM 2019 ADMITTED BATCH
 OPEN ELECTIVES OFFERED SHEET**

S.No	Roll No.	Name of the Student	PM	TM	DBMS	LM	STUDENT SIGNATURE
21	22X41E0021	KADIYAM JAYA BABU		✓			K. Jaya Babu
22	22X41E0022	KAGITHA PAVANI KALYANI		✓			K. pavani kalyani
23	22X41E0023	KAMADI VARA PRASAD		✓			K. varaprasad
24	22X41E0024	KAMMILI GANESH		✓			K. Ganesh
25	22X41E0025	KANDIMALLA NIKESH MANI KANTA	✓				K. Nikesh Manikanta
26	22X41E0026	KANULLA RISHITHA		✓			K. Rishitha
27	22X41E0027	KARUMURI B N V S BHARGAVI		✓			K. B. N. V. S Bhargavi
28	22X41E0028	KOMMINENI SIVA CHARAN		✓			K. charan
29	22X41E0029	KOPPULA RENUKA DURGA		✓			K. Renukadurga
30	22X41E0030	KOTHA YAMINI		✓			K. Yamini
31	22X41E0031	KUMMARI AKHILA		✓			K. Akhila
32	22X41E0032	KUNDETI SAI SUDHA		✓			K. Sai Sudha
33	22X41E0033	LANKA LEELA SATYA KUMARI		✓			L. Leela Satya Kumari
34	22X41E0034	LANKA RAMYA SRI		✓			L. Ramya Sri
35	22X41E0035	MERANGI LAKSHMI NARAYANA		✓			M. Lakshmi Narayana
36	22X41E0036	MANNAM CHIRANJEEVI		✓			M. Chiranjeevi
37	22X41E0037	MEDISETTY HEMA VENKATA SUDHA NARESH		✓			M. Nareesh
38	22X41E0038	MEESALA USHA	✓				M. Usha
39	22X41E0039	MULPURI LAVANYA		✓			M. Lavanya
40	22X41E0040	NEMALIPURI SAI KALYAN		✓			N. Sai Kalyan
41	22X41E0041	NUNE RAKESH		✓			N. Rakesh
42	22X41E0042	PASUPULETI YOGESH		✓			P. Yogesh
43	22X41E0043	SHAIK BAJI		✓			SK Baji
44	22X41E0044	SHAIK LATHEEFA		✓			SK Latheefa
45	22X41E0045	SHAIK MOHAMADALI	✓				SK M. Ali

[Signature]
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DEPARTMENT OF BUSINESS ADMINISTRATION



**MBA I YEAR II SEM 2019 ADMITTED BATCH
OPEN ELECTIVES OFFERED SHEET**

S.No	Roll No.	Name of the Student	PM	TM	DBMS	LM	STUDENT SIGNATURE
46	22X41E0046	SHAIK NOORJAHAN		✓			Sk. Noorjahan
47	22X41E0047	SHAKE SHABANA		✓			Sk. Shabana
48	22X41E0048	SINKA VAMSI KRISHNA					S.vamsi.krishna
49	22X41E0049	SIVARAM PAVANI		✓			S. Pavani
50	22X41E0050	THANDRA SANDEEP KUMAR		✓			T. Sandeep
51	22X41E0051	TANGELLA DARIKA DEVI		✓			T. Darika Devi
52	22X41E0052	THIPIREDDY VASANTHA LAKSHMI	✓				T. Vasantha Lakshmi
53	22X41E0053	THOTA RAVI RAJ	✓	✓			T. Ravi Raj
54	22X41E0054	THOTA SIRISHA		✓			T. Sirisha
55	22X41E0055	VADLAMUDI KEERTHI					V. Keerthi
56	22X41E0056	VANDANAPU VENKATA NAMRUTH SAI	✓				V.V. Namruth Sai
57	22X41E0057	VANJARAPU NAVEEN		✓			V. Naveen
58	22X41E0058	YADLAPALLI ANIL KUMAR		✓			Y. Anil Kumar
59	22X41E0059	YENNETI GUNA SAMPATH		✓			Y. Guna Sampath
60	22X41E0060	PALLI VIJAYA BHASKAR		✓			P.V. Bhaskar
61	22X41E0061	KESANASETTI SURESH GOPI		✓			K. Suresh Gopi
62	22X41E0062	VADDADI POORNA CHANDU		✓			V. Poorna Chandu
63	22X41E0063	SAIDU BHARGAV		✓			S. Bhargav
64	22X41E0064	DOGIPARTHI LAKSHMI VENKAT SAI RAM HARISH	✓				D. Harish
65	22X41E0065	YERAMREDDY NAGA MOHANA REDDY		✓			Y.N.M. Reddy
66	22X41E0066	YELINENI PREETHI		✓			Y. Preethi

DATE: 18/3/2023

B. G. G. G.
HOD-MBA

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SRK INSTITUTE OF TECHNOLOGY
Enikepadu, Vijayawada 521108
Approved by AICTE, Affiliated to JNTUK, Kakinada
(ISO 9001-2015 Certified Institution)
DEPARTMENT OF BUSINESS ADMINISTRATION



Date: 18-03-2023

CIRCULAR

This is to inform all the students of I MBA II Semester, as a response to the given circular dated on 13/03/2023 to choose electives, 58 students opted 'Technology Management' and only 8 students opted for 'Project Management'. As majority of the students opted 'Technology Management' the department academic committee decided to offer the same subject to all the students.

Commencement of class work is from 20/03/2023 as per Academic calendar given by JNTUK Kakinada.

B. G. S. 18/3/
HOD-MBA

Copy to:

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