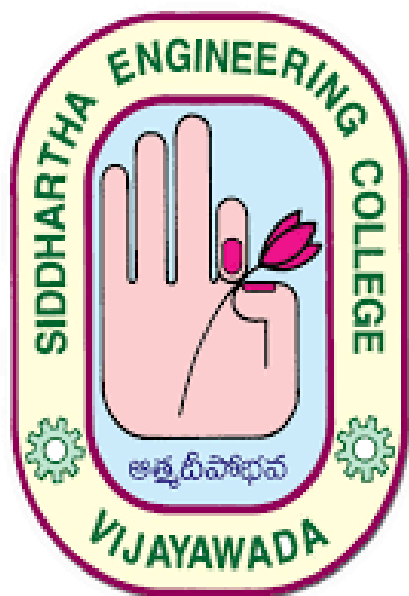


# SIDDHARTHA ACADEMY OF HIGHER EDUCATION

(Deemed to be University)



## SCHEME OF INSTRUCTIONS [SU24]

**B.Tech. Degree Programs for students admitted from the  
Academic Year 2024-25**

**VELAGAPUDI RAMAKRISHNA  
SIDDHARTHA SCHOOL OF ENGINEERING**

**Kanuru, Vijayawada -520 007, Andhra Pradesh**

**[www.vrsiddhartha.ac.in](http://www.vrsiddhartha.ac.in)**

# SIDDHARTHA ACADEMY OF HIGHER EDUCATION

(Deemed to be University)

## V R S SCHOOL OF ENGINEERING

SCHEME OF INSTRUCTION FOR FIRST YEAR UG PROGRAMME [SU24]

### GROUP- A (CSE / AIDS /AIML / IT)

#### SEMESTER I

CONTACT HOURS: 28

S.No	Course Code	category	Course Name	L	T	P	Credits
1.	24MA101	BS	Mathematics – I (Linear Algebra, Series, and Calculus)	3	0	2	4
2.	24PH101	BS	Applied Physics	3	0	0	3
3.	24EN101	HS	Communicative English	3	0	3	4.5
4.	24CS101	ES	Problem Solving with Python	3	0	3	4.5
5.	24UC181	ES	Design Thinking	0	0	2	1
6.	24PH181	BS	Physics Lab	0	0	2	1
7.	24UC182	ES	AI Tools and Applications	0	0	2	1
8.	24UC101	MC	Essence of Indian Knowledge Tradition	2	0	0	0
	UC- University Common		<b>Total</b>	<b>14</b>	<b>0</b>	<b>14</b>	<b>19</b>

BS- Basic Science

HS- Humanities & Social Sciences

ES- Engineering Science

MC- Mandatory Course

#### SEMESTER II

CONTACT HOURS: 31

S.No	Course Code	category	Course Name	L	T	P	Credits
1.	24MA102	BS	Mathematics – II (Differential equations & computational methods)	3	0	2	4
2.	24CY101	BS	Applied Chemistry	3	0	0	3
3.	24IT101	ES	<b>Programming using ‘C’</b>	2	0	2	3
4.	24IT102	ES	<b>Data Structures</b>	2	0	2	3
5.	24BY101	BS	Biology for Engineers	3	0	0	3
6.	24ME181	ES	Engineering Graphics	1	0	3	2.5
7.	24CY181	BS	Chemistry Lab	0	0	2	1
8.	24ME182	ES	Workshop Practice	0	0	3	1.5
9.	24UC183	MC	Sports & Yoga / NSS/ NCC	0	0	3	0
	UC- University Common		<b>Total</b>	<b>14</b>	<b>0</b>	<b>17</b>	<b>21</b>

BS- Basic Science

HS- Humanities & Social Sciences

ES- Engineering Science

MC- Mandatory Course

# SIDDHARTHA ACADEMY OF HIGHER EDUCATION

(Deemed to be University)

## V R S SCHOOL OF ENGINEERING

SCHEME OF INSTRUCTION FOR FIRST YEAR UG PROGRAMME [VR24]

### GROUP- B (ECE / EIE / EEE / ME / CE)

#### SEMESTER I

CONTACT HOURS: 29

S.No	Course Code	category	Course Name	L	T	P	Credits
1	24MA101	BS	Mathematics – I (Linear Algebra, Series and Calculus)	3	0	2	4
2	24CY102 24CY103	BS	Engineering Chemistry (EEE/EIE/ECE) Chemistry for Engineers (CE/ME)	3	0	0	3
3	24BY101	BS	Biology for Engineers	3	0	0	3
4	24CS101	ES	Problem Solving with Python	3	0	3	4.5
5	24ME181	ES	Engineering Graphics	1	0	3	2.5
6	24CY181	BS	Chemistry lab	0	0	2	1
7	24ME182	ES	Workshop Practice	0	0	3	1.5
8	24UC183	MC	Sports & Yoga / NSS/ NCC	0	0	3	0
	UC- University Common		<b>Total</b>	<b>13</b>	<b>0</b>	<b>16</b>	<b>19.5</b>

BS- Basic Science

HS- Humanities & Social Sciences

ES- Engineering Science

MC- Mandatory Course

#### SEMESTER II

CONTACT HOURS: 29

S.No	Course Code	Category	Course Name	L	T	P	Credits
1	24MA102	BS	Mathematics – II (Differential equations & Computational methods)	3	0	2	4
2	24PH102 24PH103	BS	Engineering Physics (EEE/EIE/ECE) Physics for Engineers (CE/ME)	3	0	0	3
3	24EN101	HS	Communicative English	3	0	3	4.5
4	24ME101 24EE101	ES	Engineering Mechanics (CE/ME) Electrical Network Analysis (EEE/ECE/EIE)	3	0	0	3
5	24IT101	ES	<b>Programming using 'C'</b>	2	0	2	3
6	24UC181	ES	Design Thinking	0	0	2	1
7	24PH181	BS	Physics lab	0	0	2	1
8	24UC182	ES	AI Tools and Applications	0	0	2	1
9	24UC101	MC	Essence of Indian Knowledge Tradition	2	0	0	0
	UC- University Common		<b>Total</b>	<b>16</b>	<b>0</b>	<b>13</b>	<b>20.5</b>

BS- Basic Science

HS- Humanities & Social Sciences

ES- Engineering Science

MC- Mandatory Course