

ATMIYA UNIVERSITY
Faculty of Engineering & Technology

B.Tech.First Year

- (1) Civil Engineering
- (2) Computer Engineering
- (3) Computer Science & Engineering
- (4) Electrical Engineering
- (5) Information Technology
- (6) Mechanical Engineering

Scheme of Learning& Evaluation

w.e.f. A.Y. 2023-24 & onwards

ATMIYA UNIVERSITY
Faculty of Engineering & Technology
B.Tech.First Year (All Programs)
SCHEME OF LEARNING & EVALUATION
For the students admitted from A.Y. 2023-24 & onwards

Semester I/II

Course Code	Course	Sem	Contact Hours / Week			SEE Duration (Hours)	Marks			Credit
			T	Tu	P		CIA	SEE	Total	
23UGSH101	Fundamentals of Engineering Mathematics	I	3	2	-	2.5	50	50	100	4
23UGSH140	Effective Communication Skills	I	1	-	2	2.5	50	50	100	2
23UGCI070	Environmental Conservation & Sustainable Development	I	2	-	-	-	Evaluation by Remarks based on CIA			2
23UGLI070	Introduction to SDG (online)	I	-	-	-	-	Evaluation by Remarks based on CIA			1
23UGUH070	Human Values for Holistic Living	II	2	2*	-	-	Evaluation by Remarks based on CIA			3
23UGSH201	Calculus & Higher Order Differential Equation	II	3	2	-	2.5	50	50	100	4
23UGSH240	Technical Communication Skills	II	1	-	2	2.5	50	50	100	2
23UGSH102	Engineering Science	I/II	3	-	2	3	90	60	150	4
23UGCI101	Applied Civil Engineering	I/II	2	2	2	3	90	60	150	4
23UGCE101	Fundamentals of Computer Programming	I/II	-	2	2	-	100	-	100	2
23UGEE101	Fundamentals of Electrical Engineering	I/II	3	-	2	3	90	60	150	4
23UGEC101	Fundamentals of Electronics	I/II	2	-	2	3	90	60	150	3
23UGME101	Fundamentals of Mechanical Engineering	I/II	3	-	2	3	90	60	150	4
23UGME102	Engineering Drawing	I/II	-	2	2	2.5	50	50	100	2
23UGIT101	ICT Workshop	I/II	-	-	2	-	100	-	100	1
23UGEC102	Tinkering Lab	I/II	-	-	2	-	100	-	100	1
23UGME103	Engineering Workshop	I/II	-	-	2	-	100	-	100	1
23UGLI050	Information & Digital Literacy	I/II	1	-	-	-	100	-	100	1
Semester I+II Total			26	10+2*	24		1200	550	1750	45
			60+2*				1750			

Remarks:

- (1) CIA:Continuous Internal Assessment
- (2) I/II: Courses can be offered in either Semester I or Semester II, based on requirement, which may change in every Academic Year.
- (3) *:To be offered in form of 5 days' workshop of total duration of 30 hours.
- (4) Student Induction Program (Phase 1 & Phase 2) each of 1 week in Semester I.
- (5) Student Induction Program (Phase 3) of 1 week in Semester II.

❖ Nature of Courses as per AICTE Model Curriculum

Sr.	Course Code	Course	Nature
1	23UGSH101	Fundamentals of Engineering Mathematics	BS
2	23UGSH140	Effective Communication Skills	HSM
3	23UGCI070	Environmental Conservation & Sustainable Development	MC
4	23UGLI070	Introduction to SDG (online)	MC
5	23UGUH070	Human Values for Holistic Living	MC
6	23UGSH201	Calculus & Higher Order Differential Equation	BS
7	23UGSH240	Technical Communication Skills	HSM
8	23UGSH102	Engineering Science	BS
9	23UGCI101	Applied Civil Engineering	ES
10	23UGCE101	Fundamentals of Computer Programming	ES
11	23UGEE101	Fundamentals of Electrical Engineering	ES
12	23UGEC101	Fundamentals of Electronics	ES
13	23UGME101	Fundamentals of Mechanical Engineering	ES
14	23UGME102	Engineering Drawing	ES
15	23UGIT101	ICT Workshop	ES
16	23UGEC102	Tinkering Lab	ES
17	23UGME103	Engineering Workshop	ES
18	23UGLI050	Information & Digital Literacy	HSM

Notations:

- (1) HSM:Humanities and Social Sciences including Management courses
- (2) BS:Basic Science courses
- (3) ES: Engineering Science courses including Workshop, Drawing, Basics of Electrical / Mechanical / Computer etc.
- (4) MC: Mandatory Courses – Environment Studies, Induction Program, Indian Constitution, Essence of Indian Knowledge Tradition

❖ **Nature of Courses as per UGC Guidelines**

Sr.	Course Code	Course	B.Tech. Civil	B.Tech. CE/CSE/IT	B.Tech. Elect.	B.Tech. Mech.
1	23UGSH101	Fundamentals of Engineering Mathematics	HSM 1	HSM 1	HSM 1	HSM 1
2	23UGSH140	Effective Communication Skills	AEC 1	AEC 1	AEC 1	AEC 1
3	23UGCI070	Environmental Conservation & Sustainable Development	VAC 1	VAC 1	VAC 1	VAC 1
4	23UGLI070	Introduction to SDG (online)	VAC 2	VAC 2	VAC 2	VAC 2
5	23UGUH070	Human Values for Holistic Living	VAC 3	VAC 3	VAC 3	VAC 3
6	23UGSH201	Calculus & Higher Order Differential Equation	HSM 2	HSM 2	HSM 2	HSM 2
7	23UGSH240	Technical Communication Skills	AEC 2	AEC 2	AEC 2	AEC 2
8	23UGSH102	Engineering Science	HSM 3	HSM 3	HSM 3	HSM 3
9	23UGCI101	Applied Civil Engineering	Major 1	MDC 1	MDC 1	MDC 1
10	23UGCE101	Fundamentals of Computer Programming	MDC 1	Major 1	MDC 2	MDC 2
11	23UGEE101	Fundamentals of Electrical Engineering	MDC 2	MDC 2	Major 1	MDC 3
12	23UGEC101	Fundamentals of Electronics	MDC 3	MDC 3	MDC 3	MDC 4
13	23UGME101	Fundamentals of Mechanical Engineering	MDC 4	MDC 4	MDC 4	Major 1
14	23UGME102	Engineering Drawing	MDC 5	MDC 5	MDC 5	Major 2
15	23UGIT101	ICT Workshop	MDC Practical 1	Major Practical 1	Major Practical 1	MDC Practical 1
16	23UGEC102	Tinkering Lab	MDC Practical 2	MDC Practical 1	MDC Practical 1	MDC Practical 2
17	23UGME103	Engineering Workshop	Major Practical 1	MDC Practical 2	MDC Practical 2	Major Practical 1
18	23UGLI050	Information & Digital Literacy	SEC 1	SEC 1	SEC 1	SEC 1

Notations:

- (1) HSM: Humanities and Social Sciences including Management courses
- (2) AEC: Ability Enhancement Courses
- (3) VAC: Value Added Courses
- (4) SEC: Skills Enhancement Courses
- (5) MDC: Multi-Disciplinary Courses

ATMIYA UNIVERSITY
Faculty of Engineering & Technology
SCHEME OF LEARNING & EVALUATION
For the students admitted from A.Y. 2023-24 & onwards
GROUP-1:B.Tech. Computer, CSE

Semester I

Course Code	Course	Sem	Contact Hours / Week			SEE Duration (Hours)	Marks			Credit
			T	Tu	P		CIA	SEE	Total	
23UGSH101	Fundamentals of Engineering Mathematics	I	3	2	-	2.5	50	50	100	4
23UGSH140	Effective Communication Skills	I	1	-	2	2.5	50	50	100	2
23UGCI070	Environmental Conservation & Sustainable Development	I	2	-	-	-	Evaluation by Remarks based on CIA			2
23UGLI070	Introduction to SDG (online)	I	-	-	-	-	Evaluation by Remarks based on CIA			1
23UGSH102	Engineering Science	I	3	-	2	3	90	60	150	4
23UGEE101	Fundamentals of Electrical Engineering	I	3	-	2	3	90	60	150	4
23UGME101	Fundamentals of Mechanical Engineering	I	3	-	2	3	90	60	150	4
23UGIT101	ICT Workshop	I	-	-	2	-	100	-	100	1
23UGME103	Engineering Workshop	I	-	-	2	-	100	-	100	1
23UGLI050	Information & Digital Literacy	I	1	-	-	-	100	-	100	1
Semester I Total			16	2	12		670	280	950	24
			30			950				

Remarks:

- (1) CIA: Continuous Internal Assessment
- (2) Student Induction Program (Phase 1 & Phase 2) each of 1 week in Semester I.

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GROUP-1:B.Tech. Computer, CSE

Semester II

Course Code	Course	Sem	Contact Hours / Week			SEE Duration (Hours)	Marks			Credit
			T	Tu	P		CIA	SEE	Total	
23UGSH201	Calculus & Higher Order Differential Equation	II	3	2	-	2.5	50	50	100	4
23UGSH240	Technical Communication Skills	II	1	-	2	2.5	50	50	100	2
23UGUH070	Human Values for Holistic Living	II	2	2*	-	-	Evaluation by Remarks based on CIA			3
23UGCI101	Applied Civil Engineering	II	2	2	2	3	90	60	150	4
23UGCE101	Fundamentals of Computer Programming	II	-	2	2	-	100	-	100	2
23UGEC101	Fundamentals of Electronics	II	2	-	2	3	90	60	150	3
23UGME102	Engineering Drawing	II	-	2	2	2.5	50	50	100	2
23UGEC102	Tinkering Lab	II	-	-	2	-	100	-	100	1
Semester II Total			10	8+2*	12		530	270	800	21
			30+2*				800			

Remarks:

- (1) *: To be offered in form of 5 days' workshop of total duration of 30 hours.
- (2) Student Induction Program (Phase 3) of 1 week in Semester II.

ATMIYA UNIVERSITY
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SCHEME OF LEARNING & EVALUATION
For the students admitted from A.Y. 2023-24 & onwards
GROUP-2: B.Tech. IT, Civil, Electrical, Mechanical
Semester I

Course Code	Course	Sem	Contact Hours / Week			SEE Duration (Hours)	Marks			Credit
			T	Tu	P		CIA	SEE	Total	
23UGSH101	Fundamentals of Engineering Mathematics	I	3	2	-	2.5	50	50	100	4
23UGSH140	Effective Communication Skills	I	1	-	2	2.5	50	50	100	2
23UGCI070	Environmental Conservation & Sustainable Development	I	2	-	-	-	Evaluation by Remarks based on CIA			2
23UGLI070	Introduction to SDG (online)	I	-	-	-	-	Evaluation by Remarks based on CIA			1
23UGCI101	Applied Civil Engineering	I	2	2	2	3	90	60	150	4
23UGCE101	Fundamentals of Computer Programming	I	-	2	2	-	100	-	100	2
23UGEC101	Fundamentals of Electronics	I	2	-	2	3	90	60	150	3
23UGME102	Engineering Drawing	I	-	2	2	2.5	50	50	100	2
23UGEC102	Tinkering Lab	I	-	-	2	-	100	-	100	1
	Semester I Total		10	8	12		530	270	800	21
			30				800			

Remarks:

- (1) CIA: Continuous Internal Assessment
- (2) Student Induction Program (Phase 1 & Phase 2) each of 1 week in Semester I.

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For the students admitted from A.Y. 2023-24 & onwards
GROUP-2: B.Tech. IT, Civil, Electrical, Mechanical

Semester II

Course Code	Course	Sem	Contact Hours / Week			SEE Duration (Hours)	Marks			Credit
			T	Tu	P		CIA	SEE	Total	
23UGSH201	Calculus & Higher Order Differential Equation	II	3	2	-	2.5	50	50	100	4
23UGSH240	Technical Communication Skills	II	1	-	2	2.5	50	50	100	2
23UGUH070	Human Values for Holistic Living	II	2	2*	-	-	Evaluation by Remarks based on CIA			3
23UGSH102	Engineering Science	II	3	-	2	3	90	60	150	4
23UGEE101	Fundamentals of Electrical Engineering	II	3	-	2	3	90	60	150	4
23UGME101	Fundamentals of Mechanical Engineering	II	3	-	2	3	90	60	150	4
23UGIT101	ICT Workshop	II	-	-	2	-	100	-	100	1
23UGME103	Engineering Workshop	II	-	-	2	-	100	-	100	1
23UGLI050	Information & Digital Literacy	II	1	-	-	-	100	-	100	1
Semester II Total			16	2+2*	12		670	280	950	24
			30+2*				950			

Remarks:

- (1) *: To be offered in form of 5 days' workshop of total duration of 30 hours.
- (2) Student Induction Program (Phase 3) of 1 week in Semester II.