BVVS

BASAVESHWAR ENGINEERING COLLEGE, BAGALKOTE - 587102

BE. in Mechanical Engineering

Scheme of Teaching and Examinations, (2026-27 admitted 1st year students)(Academic Year 2026-27)

I SEMESTER **(CHEMISTRY GROUP)**

Sl. No.	Course	Course Code	Course Title	Teaching Department	Teaching-Learning Scheme				Examination Duration (Hrs/Sem.)		Total Hour	Examination scheme and Evaluation			Credits
					L Hrs/Week (Hrs/Sem.)	T Hrs/Week (Hrs/Sem.)	P Hrs/Week (Hrs/Sem.)	Term Work (TW) and Self-Learning (SL) (TW+SL)Hrs/Sem.	CIE	SEE		CIE Marks	SEE Marks	Total Marks	
1	ASC	1BMATx101	Applied Mathematics -I (Stream Specific)	Maths	**4 (56)**	**0**	**0**	**58**	**03**	**03**	**120**	**50**	**50**	**100**	04
2	ASC(IC)	1BCHEx102	Applied Chemistry (Stream Specific)	Chemistry	**4 (42)**	**0**	**26**	**44**	**05**	**03**	**120**	**50**	**50**	**100**	04
3	ETC	1BAIA103/	Introduction to AI and Applications	ME	**3 (42)**	**0**	**0**	**42**	**03**	**03**	**90**	**50**	**50**	**100**	03
4	ESC	1BESC104x	Engineering Science Course-I	Respective Engg. Dept.	**3 (42)**	**0**	**0**	**42**	**03**	**03**	**90**	**50**	**50**	**100**	03
5	PLC(IC)	1BPLC105x	Programming Language Course	Respective Engg. Dept.	**4 (42)**	**0**	**26**	**44**	**05**	**03**	**120**	**50**	**50**	**100**	04
6	AEC	1BENG106	Communication Skills	Humanities	**1(14)**	**0**	**0**	**13**	**02**	**01**	**30**	**50**	**50**	**100**	01
7	AEC (NCMC)	1BICO107	Indian Constitution & Engineering Ethics	Humanities	**1(14)**	**0**	**0**	**14**	**02**	**--**	**30**	**-**	**--**	**--**	PP
8	AEC/ S DC	1BPRJ158	Interdisciplinary Project-Based Learning	ME	**Two contact hours/week for interaction between the faculty and students (24)**				**03**	**03**	**30**	**50**	**50**	**100**	01
9	MC	BUHS001M	Yoga		**0**	**0**	**26**	**0**	**04**	**00**	**30**	**100**	**---**	**100**	**00**
		BUHS002M	National Service Scheme (NSS)												
		BUHS003M	Physical Education (PE) (Sports and Athletics)												
					276	**0**	**78**	**257**	**30**	**19**	**660**	**450**	**350**	**800**	**20**

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II SEMESTER **(PHYSICS GROUP)**

Sl. No.	Course	Course Code	Course Title	Teaching Department	Teaching-Learning Scheme				Examination Duration (Hrs/Sem.)		Total Hour	Examination scheme and Evaluation			Credits
					L Hrs/Week (Hrs/Sem.)	T Hrs/Week (Hrs/Sem.)	P Hrs/Week (Hrs/Sem.)	Term Work (TW) and Self-Learning (SL) (TW+SL)Hrs/Sem.	CIE	SEE		CIE Marks	SEE Marks	Total Marks	
1	ASC	1BMAM201C	Multivariable Calculus and Numerical Methods (ME Stream)	Maths Dept	**4 (56)**	**0**	**0**	**58**	**03**	**03**	**120**	**50**	**50**	**100**	04
2	ASC(IC)	1BPHM202C	Physics of Materials (ME stream)	Phy Dept	**4 (42)**	**0**	**26**	**44**	**05**	**03**	**120**	**50**	**50**	**100**	04
3	ESC	1BCEDx203C	Computer-Aided Engineering Drawing (Stream Specific)	ME Dept	**3 (42)**	**0**	**0**	**42**	**03**	**03**	**90**	**50**	**50**	**100**	03
4	ESC	1BXXX104x	Engineering Science Courses-II	Respective Engg. Dept	**3 (42)**	**0**	**0**	**42**	**03**	**03**	**90**	**50**	**50**	**100**	03
5	PSC	1BMEA205C	(Programme Specific Course)	Respective Engg. Dept	**3 (42)**	**0**	**0**	**42**	**03**	**03**	**90**	**50**	**50**	**100**	03
6	AEC (NCMC)	1BHSA206M	Soft Skills	Respective Engg. Dept	**1(14)**	**0**	**0**	**13**	**02**	**01**	**30**	**50**	**50**	**100**	PP
7	PSC	1BMEA209L	(Program-Specific Course Lab)	Respective Engg. Dept	**0**	**0**	**2 (26)**	**0**	**02**	**02**	**30**	**50**	**50**	**100**	**01**
8	AEC/SDC	1BMEA208P	Interdisciplinary Project-Based Learning	Respective Engg. Dept	**Two contact hours/week for interaction between the faculty and students (24)**				**03**	**03**	**30**	**50**	**50**	**100**	01
`9	HSMS	1BHSA207C/ 1BHSB207C	Samskrutika Kannada/Balake Kannada	Humanities Dept	**1(14)**	**0**	**0**	**13**	**02**	**01**	**30**	**50**	**50**	**100**	01
10	MC	BUHS001M	Yoga		**0**	**0**	**26**	**0**	**04**	**00**	**30**	**100**	**---**	**100**	**00**
		BUHS002M	National Service Scheme (NSS)												
		BUHS003M	Physical Education (PE) (Sports and Athletics)												
					276	**0**	**78**	**257**	**30**	**19**	**660**	**450**	**350**	**800**	**20**

Annexure - I

ASC-AppliedScienceCourse,**IC**–IntegratedCourse(PracticalCourseIntegratedwithTheoryCourse),PSC-ProgrammeSpecificCourse,**ESC**- Engineering Science Courses, **ETC**- Emerging Technology Course, **AEC**- Ability Enhancement Course, **NCMC:** Non Credit Mandatory Course, **PP** : (Pass/Pass) is assigned to a noncredit course. "PP" represents pass in course provided students have successfully completed the CIE requirements. Otherwise, "NP-not pass shall be awarded. "PP" is essential for the award of the degree. **PLC(IC)**- Programming Language Course (Integrated Course),**AEC/SDC**- Ability Enhancement Course/Skill Development course, **TD/PSB**- Teaching Department / Paper SettingBoard,**HSMS**-Humanity,SocialScienceandmanagementCourse,**CIE–**ContinuousInternalEvaluation,**SEE-**SemesterEndExamination,

Applied Mathematics-I					**Applied Physics**				
Code	**Title**	**L**	**T**	**P**	**Code**	**Title**	**L**	**T**	**P**
1BMATC101	Differential Calculus And Linear Algebra: CV Stream	3	2	0	1BPHYC102	Physics for Sustainable Structural Systems (CV stream)	3	0	2
1BMATM101	Differential Calculus and Linear Algebra: ME Stream	3	2	0	1BPHYM102	Physics of Materials (Mech. stream)	3	0	2
1BMATE101	Differential Calculus And Linear Algebra: EEE stream	3	2	0	1BPHEC102	Quantum Physics and Electronics Sensors (EEE stream)	3	0	2
1BMATS101	Calculus and Linear Algebra: CSE Stream	3	2	0	1BPHEE102	Electrical Engineering Materials (EEE stream – only for EEE students)	3	0	2
					1BPHYS102	Quantum Physics and Applications (CSE stream)	3	0	2
Computer-Aided Engineering Drawing					**Engineering Science Courses-I / II (ESC-I /II)**				
1BCEDC103 /1BMEC203C	Computer-Aided Engineering Drawing for CV Stream	2	0	2	1BCVA104N /1BCVA204N	Introduction to Civil Engineering	3	0	0
1BCEDM103 /1BMEM203C	Computer-Aided Engineering Drawing for ME stream	2	0	2	1BEEA104N /1BEEA204N	Introduction to Electrical Engineering	3	0	0
1BCEADEC103 /1BCEADEC203	Computer-Aided Engineering Drawing for EEE stream	2	0	2	1BECA104N /1BECA204N	Introduction to Electronics & Communication Engineering	3	0	0
1BCEADEE103 /1BCEADEE203	Computer-Aided Engineering Drawing for EEE stream(only for EEE students)	2	0	2	1BMEA104N /1BMEA204N	Introduction to Mechanical Engineering	3	0	0
1BCEDS103 /1BCEDS103	Computer-Aided Engineering Drawing for CSE stream	2	0	2	1BISA104N /1BISA204N	Essentials of Information Technology	3	0	0
Programme Specific Courses (PSC)					**Program-Specific Course Lab(PSCL)**				
1BCIV105	Engineering Mechanics	3	0	0	1BMEML107	Mechanics and Materials Lab	0	0	2
1BBEE105	Basics of Electrical Engineering	3	0	0	1BBEEL107	Basic Electrical Lab	0	0	2
1BECE105	Fundamentals of Electronics & Communication Engineering	3	0	0	1BECEL107	Fundamentals of Electronics & Communication Engineering Lab	0	0	2
1BEME105	Elements of Mechanical Engineering	3	0	0	1BEMEL107	Elements of Mechanical Engineering Lab	0	0	2
1BEIT105	Programming in C	3	0	0	1BPOPL107	C Programming Lab	0	0	2
1BEBT105	Elements of Biotechnology and Biomimetic	3	0	0	1BEBTL107	Elements of Bio technology Lab	0	0	2
1BSSA105	Principles of Soil Science and Agronomy	3	0	0	1BSSAL107	Soil Science and Agronomy Field Lab	0	0	2

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III SEMESTER

Sl. No.	Course	Course Code	Course Title	Teaching Department	Teaching-Learning Scheme				Examination Duration (Hrs/Sem.)		Total Hour	Examination scheme and Evaluation			Credits
					L Hrs/Week (Hrs/Sem.)	T Hrs/Week (Hrs/Sem.)	P Hrs/Week (Hrs/Sem.)	Term Work (TW) and Self-Learning (SL) (TW+SL)Hrs/Sem.	CIE	SEE		CIE Marks	SEE Marks	Total Marks	
1	BSC	1BMAM301C	Mathematics –III for Mechanical Engineers	MA	**3 (42)**	**0**	**0**	**42**	**03**	**03**	**90**	**50**	**50**	**100**	**03**
2	PCC	1BMEA302C	Mechanics of Materials	ME	**3 (42)**	**0**	**0**	**42**	**03**	**03**	**90**	**50**	**50**	**100**	**03**
3	PCC	1BMEB303C	Engineering Thermodynamics	ME	**3 (42)**	**0**	**0**	**42**	**03**	**03**	**90**	**50**	**50**	**100**	**03**
4	PCC	1BMEC304C	Metrology and Instrum entation	ME	**3 (42)**	**0**	**0**	**42**	**03**	**03**	**90**	**50**	**50**	**100**	**03**
5	PCC	1BMED305C	Materials Engineering	ME	**3 (42)**	**0**	**0**	**42**	**03**	**03**	**90**	**50**	**50**	**100**	**03**
6	PCCL	1BMEE311L	Materials Testing and Instrumentation Lab	ME	**0**	**0**	**2 (26)**	**0**	**02**	**02**	**30**	**50**	**50**	**100**	**01**
7	PCCL	1BMEF312L	Mechanical Drawing Lab	ME	**1 (14)**	**0**	**2 (26)**	**12**	**05**	**03**	**60**	**50**	**50**	**100**	**02**
8	PCCL	1BMEG313L	Spread Sheet for Engineers	ME	**1 (14)**	**0**	**2 (26)**	**12**	**05**	**03**	**60**	**50**	**50**	**100**	**02**
9	MC	BUHS001M	Yoga		**0**	**0**	**2 (26)**	**0**	**04**	**00**	**30**	**100**	**---**	**100**	**00**
		BUHS002M	National Service Scheme (NSS)												
		BUHS003M	Physical Education (PE) (Sports and Athletics)												
					238	**0**	**104**	**234**	**29**	**23**	**630**	**500**	**400**	**900**	**20**

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Scheme of Teaching and Examinations

(2025-26 admitted 1st year students and 2026-27 admitted Lateral Entry Students)(Academic Year 2026-27)

IV SEMESTER

Sl. No.	Course	Course Code	Course Title	Teaching Department	Teaching-Learning Scheme				Examination Duration (Hrs/Sem.)		Total Hour	Examination scheme and Evaluation			Credits
					L Hrs/Week (Hrs/Sem.)	T Hrs/Week (Hrs/Sem.)	P Hrs/Week (Hrs/Sem.)	Term Work (TW) and Self-Learning (SL) (TW+SL)Hrs/Sem.	CIE	SEE		CIE Marks	SEE Marks	Total Marks	
1	BSC	1BBTA402C	Biology for Engineers	BT	**3 (42)**	**0**	**0**	**42**	**03**	**03**	**90**	**50**	**50**	**100**	**3**
2	PCC	1BMEA403C	Manufacturing Technology	ME	**3 (42)**	**0**	**0**	**42**	**03**	**03**	**90**	**50**	**50**	**100**	**3**
3	PCC	1BMEB404C	Fluid Mechanics	ME	**3 (42)**	**0**	**0**	**42**	**03**	**03**	**90**	**50**	**50**	**100**	**3**
4	PCC	1BMEC405C	Theory of Machines	ME	**3 (42)**	**0**	**0**	**42**	**03**	**03**	**90**	**50**	**50**	**100**	**3**
5	PCC	1BMED406C	Robotics and AI	ME	**3 (42)**	**0**	**0**	**42**	**03**	**03**	**90**	**50**	**50**	**100**	**3**
6	PCCL	1BMEE411L	Manufacturing Technology Lab	ME	**0**	**0**	**2 (26)**	**0**	**02**	**02**	**30**	**50**	**50**	**100**	**1**
7	PCCL	1BMEF412L	CAMD Lab	ME	**1 (14)**	**0**	**2 (26)**	**12**	**05**	**03**	**60**	**50**	**50**	**100**	**2**
8	PCCL	1BMEG413L	Fluid Mechanics and Machines Lab	ME	**0**	**0**	**2 (26)**	**0**	**02**	**02**	**30**	**50**	**50**	**100**	**1**
9	HSMC	1BUHS4XXC	Universal Human Values	HSMC	**1 (14)**	**0**	**0**	**13**	**02**	**01**	**30**	**50**	**50**	**100**	**1**
9	MC	BUHS001M	Yoga		**0**	**0**	**2 (26)**	**0**	**04**	**00**	**30**	**100**	**---**	**100**	**00**
		BUHS002M	National Service Scheme (NSS)												
		BUHS003M	Physical Education (PE) (Sports and Athletics)												
					238	**0**	**104**	**235**	**30**	**23**	**630**	**550**	**450**	**1000**	**20**

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BE. in Mechanical Engineering
Scheme of Teaching and Examinations
(2024-25 admitted 1st year students and 2025-26 admitted Lateral Entry Students)(Academic Year 2026-27)

V SEMESTER

Sl. No.	Course	Course Code	Course Title	Teaching Department	Teaching-Learning Scheme				Examination Duration (Hrs/Sem.)		Total Hour	Examination scheme and Evaluation			Credits
					L Hrs/Week (Hrs/Sem.)	T Hrs/Week (Hrs/Sem.)	P Hrs/Week (Hrs/Sem.)	Term Work (TW) and Self-Learning (SL) (TW+SL)Hrs/Sem.	CIE	SEE		CIE Marks	SEE Marks	Total Marks	
1	PCC	BMEA501C	Design of Machine Elements	ME	**3 (42)**	**0**	**0**	**42**	**03**	**03**	**90**	**50**	**50**	**100**	**3**
2	PCC	BMEA502C	Finite Element Method	ME	**3 (42)**	**0**	**0**	**42**	**03**	**03**	**90**	**50**	**50**	**100**	**3**
3	PCC	BMEA503C	Management and Entrepreneurship	ME	**3 (42)**	**0**	**0**	**42**	**03**	**03**	**90**	**50**	**50**	**100**	**3**
5	PCCL	BMEA511L	CNC and Robotics Lab	ME	**0**	**0**	**2 (26)**	**0**	**02**	**02**	**30**	**50**	**50**	**100**	**1**
6	PEC	BMEX5XXE	PEC-I	ME	**3 (42)**	**0**	**0**	**42**	**03**	**03**	**90**	**50**	**50**	**100**	**3**
7	OEC	BXXX5XXN	OEC-I	ME	**3 (42)**	**0**	**0**	**42**	**03**	**03**	**90**	**50**	**50**	**100**	**3**
8	PROJ	BMEX515P	Mini Project	ME	**Two contact hours /week for interaction between the faculty and students (24)**				**03**	**03**	**30**	**50**	**50**	**100**	**2**
8	AEC	BHS5X21M	Qualitative and Numerical Technique	ME	**2(28)**	**0**	**0**	**26**	**03**	**03**	**60**	**50**	**50**	**100**	**1**
9	HSMC	BBTX5XXC	Environmental Studies	BT	**1 (14)**	**0**	**0**	**13**	**02**	**01**	**30**	**50**	**50**	**100**	**1**
9	MC	BUHS001M	Yoga		**0**	**0**	**2 (26)**	**0**	**04**	**00**	**30**	**100**	**---**	**100**	**00**
		BUHS002M	National Service Scheme (NSS)												
		BUHS003M	Physical Education (PE) (Sports and Athletics)												
					252	**0**	**76**	**249**	**29**	**24**	**630**	**550**	**450**	**1000**	**20**

Annexure - I

Professional Elective Course-I (PEC-I)			Open Elective Course-I (OEC-I)		
Sl. No	**Course Name**	**Course Code**	**Sl. No**	**Course Name**	**Course Code**
1	SAP for Finance Management (3-0-0)	BMEA531E	1	Fluid Power Systems for Industry 4.0 (3-0-0)	BMEX541N
2	Fundamentals of Quality Control (3-0-0)	BMEA532E	2	Quality and Reliability Engineering (3-0-0)	BMEX 542N
3	Turbo machines (3-0-0)	BMEA533E	3	Digital Marketing (3-0-0)	BMEX 543N
4	Electrical and Hybrid Vehicle (3-0-0)	BMEA534E	4	IT enabled Manufacturing Technology(3-0-0)	BMEX 544N

Mini Project: A Mini Project is a laboratory-oriented or hands-on course that provides a platform for students to enhance their practical knowledge and skills through the development of small systems, applications, etc. A mini project can be assigned to an individual student or to a group consisting of not more than four students. **PEC:** A PEC is intended to enhance the depth and breadth of the educational experience in the Engineering and Technology curriculum. Each group will be given an option to select one course. **OEC:** Students belonging to the Mechanical Engineering Department are not entitled to opt for open electives offered by their parent department.

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VI SEMESTER

Sl. No.	Course	Course Code	Course Title	Teaching Department	Teaching-Learning Scheme				Examination Duration (Hrs/Sem.)		Total Hour	Examination scheme and Evaluation			Credits
					L Hrs/Week (Hrs/Sem.)	T Hrs/Week (Hrs/Sem.)	P Hrs/Week (Hrs/Sem.)	Term Work (TW) and Self-Learning (SL) (TW+SL)Hrs/Sem.	CIE	SEE		CIE Marks	SEE Marks	Total Marks	
1	PCC	BMEA611C	Heat Transfer	ME	3 (42)	0	0	42	03	03	90	50	50	100	3
2	PCC	BMEA612C	Mechanical Vibrations	ME	3 (42)	0	0	42	03	03	90	50	50	100	3
3	PCC	BMEA613C	Optimization Techniques	ME	3 (42)	0	0	42	03	03	90	50	50	100	3
4	PCCL	BMEA614L	CAE Lab	ME	0	0	4 (52)	02	03	03	60	50	50	100	2
5	PCCL	BMEA615L	Heat Transfer Lab	ME	0	0	2 (26)	0	02	02	30	50	50	100	1
6	PCCL	BMEA616L	Dynamics Lab	ME	0	0	2 (26)	0	02	02	30	50	50	100	1
7	PEC	BMEX6XXE	PEC-II	ME	3 (42)	0	0	42	03	03	90	50	50	100	3
8	OEC	BMEX6XXE	OEC-II	ME	3 (42)	0	0	42	03	03	90	50	50	100	3
9	AEC	BXXX6XXX	Indian Knowledge System	ME	1 (14)	0	0	13	02	01	30	50	50	100	1
9	MC	BUHS001M	Yoga		0	0	2 (26)	0	04	00	30	100	---	100	00
		BUHS002M	National Service Scheme (NSS)												
		BUHS003M	Physical Education (PE) (Sports and Athletics)												
					224	0	130	225	28	23	630	550	450	1000	20

Annexure - I

Professional Elective Course-II (PEC-II)			Open Elective Course-II (OEC-II)		
Sl. No	**Course Name**	**Course Code**	**Sl. No**	**Course Name**	**Course Code**
1	SAP for Materials Management (3-0-0)	BMEA631E	1	Optimization Techniques (3-0-0)	BMEX641N
2	Reverse Engineering (3-0-0)	BMEA632E	2	Product Design and Rapid Prototyping (3-0-0)	BMEX 642N
3	Engineering Economics (3-0-0)	BMEA63E	3	Mechatronics (3-0-0)	BMEX 643N
4	Non Traditional Machining (3-0-0)	BMEA634E	4	Engineering Economics (3-0-0)	BMEX 644N
The preparatory work for the major project shall be initiated during 6th semester for which CIE should be conducted and the marks of the same will be reflected during 7th semester.					

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VII SEMESTER

Sl. No.	Course	Course Code	Course Title	Teaching Department	Teaching-Learning Scheme				Examination Duration (Hrs/Sem.)		Total Hour	Examination scheme and Evaluation			Credits
					L Hrs/Week (Hrs/Sem.)	T Hrs/Week (Hrs/Sem.)	P Hrs/Week (Hrs/Sem.)	Term Work (TW) and Self-Learning (SL) (TW+SL)Hrs/Sem.	CIE	SEE		CIE Marks	SEE Marks	Total Marks	
1	PCC	22UME712C	Control Engineering	ME	**3 (42)**	**0**	**0**	**42**	**03**	**03**	**90**	**50**	**50**	**100**	3
2	PEC	22UME7XXE	PEC-III	ME	**3 (42)**	**0**	**0**	**42**	**03**	**03**	**90**	**50**	**50**	**100**	3
3	PEC	22UME7XXE	PEC-IV	ME	**3 (42)**	**0**	**0**	**42**	**03**	**03**	**90**	**50**	**50**	**100**	3
4	PROJ	22UME722P	Major Project	ME	**04 contact hours / week for interaction between the faculty and students (54)**				**03**	**03**	**60**	**50**	**50**	**100**	12
5	HSSM	22UHS711C	Research Methodology and IPR	HSS	**3 (42)**	**0**	**0**	**42**	**03**	**03**	**90**	**50**	**50**	**100**	3
					168	**0**	**0**	**222**	**15**	**15**	**420**	**50**	**450**	**1000**	**24**

Professional Elective Course-III (PEC-III)			Professional Elective Course-IV (PEC-IV)		
Sl. No	**Course Name**	**Course Code**	**Sl. No**	**Course Name**	**Course Code**
1	Heating, Ventilation and Air-conditioning (3-0-0)	22UME746E	1	Product Design and Rapid Prototyping (3-0-0)	22UME751E
2	Fluid Power Systems for Industry 4.0 (2-0-2)	22UME747E	2	Non Destructive Testing (3-0-0)	22UME752E
3	AI for Engineers (3-0-0)	22UME743E	3	Project Management (3-0-0)	22UME753E
4	Renewable Energy Sources (3-0-0)	22UME744E	4	Operations Management (3-0-0)	22UME754E

Major Project: The objectives of the Major Project work are: 1) to encourage independent learning and foster an innovative attitude among students 2) to develop interaction, communication, organizational, time management, and presentation skills 3) to inspire teamwork and collaborative learning 4) to enhance intellectual capacity, credibility, judgment, and intuition 5) to inculcate punctuality, adherence to deadlines, and commitment to achieving goals 6) to instill a sense of responsibility towards oneself, the team, and society. The Major Project may be assigned either to an individual student or to a group comprising not more than four students. **Continuous Internal Evaluation (CIE)** Procedure for Project Work: The CIE marks shall be awarded by a committee of three examiners appointed by the Head of the Department (HoD) and the Project Coordinator, one of whom shall be the Project Guide. The CIE marks for the project work shall be based on: 1) Evaluation of the project progress during **CIE–1** (initiated during the 6th semester) 2) Evaluation of the project progress during **CIE–2** (conducted during the 7th semester) 3) Project presentation skills 4) Performance in the question-and-answer session. **Semester End Examination (SEE)** Procedure for Project Work: The SEE for the Major Project shall be conducted by three examiners appointed by the HoD and the Board of Examinations (BoE). The SEE marks shall be awarded based on: 1) Evaluation of the Project Report 2) Project presentation skills 3) Performance in the question-and-answer session. This evaluation process ensures a comprehensive assessment of the student's technical knowledge, project execution capability, communication skills, and overall professional competence.

BVVS

BASAVESHWAR ENGINEERING COLLEGE, BAGALKOTE - 587102

BE. in Mechanical Engineering

Scheme of Teaching and Examinations

(2023-24 admitted 1st year students and 2024-25 admitted Lateral Entry Students)(Academic Year 2026-27)

VIII SEMESTER

Sl. No.	Course	Course Code	Course Title	Teaching Department	Teaching-Learning Scheme				Examination Duration (Hrs/Sem.)		Total Hour	Examination scheme and Evaluation			Credits
					L Hrs/Week (Hrs/Sem.)	T Hrs/Week (Hrs/Sem.)	P Hrs/Week (Hrs/Sem.)	Term Work (TW) and Self-Learning (SL) (TW+SL)Hrs/Sem.	CIE	SEE		CIE Marks	SEE Marks	Total Marks	
1	AEC	22UME8XXO	MOOCS	online	**3 (42)**	**0**	**0**	**42**	**03**	**03**	**90**	**50**	**50**	**100**	**3**
2	OEC	22UM8EXXO	MOOCS	online	**3 (42)**	**0**	**0**	**42**	**03**	**03**	**90**	**50**	**50**	**100**	**3**
3	INT	22UME811I	Internship	ME	**04 contact hours / week for interaction between the faculty and students (54)**				**03**	**03**	**60**	**50**	**50**	**100**	**10**
					84	**0**	**0**	**138**	**09**	**09**	**240**	**150**	**150**	**300**	**16**

Swapping Facility: Students can swap the VII and VIII Semester Scheme of Teaching and Examinations to accommodate research internships or industry internships after the VI semester. Credits earned for the courses of the VII and VIII Semester Scheme of Teaching and Examinations shall be counted against the corresponding semesters, whether the VII or VIII semester is completed during the beginning or later part of the IV year of the program. At the beginning of the IV year of the program (i.e., after the VI semester), VII semester classwork and VIII semester research internship/industrial internship shall be permitted to be operated simultaneously by the college so that students have ample opportunity for an internship. Research/industrial internships shall be carried out at an industry, NGO, MSME, innovation centre, incubation centre, start-up, Centre of Excellence (CoE), or study center established in reputed research organizations/institutes. The mandatory research internship/industry internship is for a duration of **14 to 20 weeks**. The internship shall be considered as a requirement for passing and shall be considered for the award of a degree. Those who do not take up or complete the internship shall be declared to have failed and shall have to complete it during the subsequent examination after satisfying the internship requirements. **Research Internship:** A research internship is intended to offer exposure to current research in the chosen field. It helps students get familiarized with the field and imparts the skills required for carrying out research. **Industry Internship:** An industry internship is an extended period of work experience undertaken by students to supplement their degree for professional development. It also helps them learn to overcome unexpected obstacles and successfully navigate organizations, perspectives, and cultures. Dealing with contingencies helps students recognize, appreciate, and adapt to organizational realities by tempering their knowledge with practical constraints.

MOOCS (6 credits) and Mandatory courses to be completed prior to commencement of VII semester and the same will be reflected along with Internship