



MOOGAMBIGAI CHARITABLE AND EDUCATIONAL TRUST
Rajarajeswari College of Engineering
An Autonomous Institution

(Affiliated to VTU, Belagavi & Approved by AICTE, New Delhi & Govt. of Karnataka)
Ramohalli Cross, Kumbalgodu, Mysore Road, Bengaluru-74



Engineering Science Courses (ESC) - I/II						Emerging Technology Courses (ETC) - I/II					
Sl. No	Course Code	Name of the Course	L	T	P	Sl. No	Course Code	Name of the Course	L	T	P
1.	B24ESCK141/241	Introduction of Civil Engineering	3	0	0	1	B24ETCK151/251	Smart Materials and Systems	3	0	0
2.	B24ESCK142/242	Introduction to Electrical Engineering	3	0	0	2	B24ETCK152/252	Concepts of Green Buildings	3	0	0
3.	B24ESCK143/243	Introduction to Electronics	3	0	0	3	B24ETCK153/253	Introduction to sustainable Engineering	3	0	0
4.	B24ESCK144/244	Introduction to Mechanical Engineering	3	0	0	4	B24ETCK154/254	Renewable Energy Sources	3	0	0
5.	B24ESCK145/245	Introduction to C Programming	2	0	2	5	B24ETCK155/255	Waste Management	3	0	0
						6	B24ETCK156/256	Introduction to IoT	3	0	0
						7	B24ETCK157/257	Introduction to Embedded Systems	3	0	0
						8	B24ETCK158/258	Introduction to Cyber Security	3	0	0

Programming Language Course (PLC) - I/II					
Sl. No	Course Code	Name of the Course	L	T	P
1	B24PLCK151/251	Introduction to web programming	2	0	2
2	B24PLCK152/252	Introduction to Python programming	2	0	2
3	B24PLCK153/253	Basics of Java programming	2	0	2
4	B24PLCK154/254	Programming with C++	2	0	2
5	B24PLCK155/255	Introduction to R- Programming	2	0	2

Example: B24MACS101

B	24	MA	CS	1	01
Bachelor Degree	Scheme	Course Code	Stream	Semester	Course Serial No

Example: B24PWSK206

B	24	PWS	K	2	06
Bachelor Degree	Scheme	Course Code	Common Course	Semester	Course Serial No


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Name of the branch: ECE Stream: EEE Semester: I Academic Year: 2024-25 Group: Chemistry

S. No	Course Category and Course Code		Course Title	TD / PSB	Teaching Hours / Week				Examination				SDA
					Lecture	Tutorial	Practical	Credits	Duration in Hours	CIE Marks	SEE Marks	Total Marks	
					L	T	P						
1.	ASC(IC)	B24MAEE101	Mathematics-I for EEE	Maths	2	2	2	4	3	50	50	100	
2.	ASC(IC)	B24CHEE102	Applied Chemistry for EEE	Chemistry	2	2	2	4	3	50	50	100	
3.	ESC	B24CEDK103	Computer Aided Engineering Drawing	Civil/ME	2	0	2	3	3	50	50	100	
4.	ESC-I	B24ESCK142	Introduction to Electrical Engineering	EEE	3	0	0	3	3	50	50	100	
5.	PLC-I	B24PLCK152	Introduction to Python Programming	Any Dept.	2	0	2	3	3	50	50	100	
6.	AEC	B24ENGK106	Communicative English	Humanities	1	0	0	1	1	50	50	100	
7.	HSMC	B24HSKK107/ B24HBKK107	Sanskritika Kannada / Balake Kannada	Humanities	1	0	0	1	1	50	50	100	
8.	AEC/SDC	B24SFHK108	Scientific Foundation of Health	Any Dept.	1	0	0	1	1	50	50	100	
TOTAL					14	04	08	20		400	400	800	

SDA: Skill Development Activity, TD/PSB: Teaching department/Paper setting board, ASC: Applied Science Course, ESC: Engineering Science Course, ETC: Emerging Technology Course, AEC: Ability Enhancement Course, HSMC: Humanity, Social Science and Management Course, SDC: Skill Development Course, CIE: Continuous Internal Evaluation, SEE: Semester End Examination


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Name of the branch: ECE Stream: EEE Semester: II Academic Year: 2024-25 Group: Physics

S. No	Course and Course Code		Course Title	TD / PSB	Teaching Hours / Week				Examination			SDA	
					Lecture	Tutorial	Practical	Credits	Duration in Hours	CIE Marks	SEE Marks		Total Marks
					L	T	P						
1.	ASC(IC)	B24MAEE201	Mathematics-II for EEE	Maths	2	2	2	4	3	50	50	100	
2.	ASC(IC)	B24PHEE202	Applied Physics for EEE	Physics	2	2	2	4	3	50	50	100	
3.	ESC	B24BECE203	Basic Electronics	ECE	3	0	0	3	3	50	50	100	
4.	ESC-II	B24ESCK245	Introduction to C Programming	CSE	2	0	2	3	3	50	50	100	
5.	ETC-II	B24ETCK257	Introduction to Embedded Systems	Any Dept.	3	0	0	3	3	50	50	100	
6.	AEC	B24PWSK206	Professional Writing Skills	Humanities	1	0	0	1	1	50	50	100	
7.	HSMC	B24HCIK207	Constitution of India	Humanities	1	0	0	1	1	50	50	100	
8.	AEC/SDC	B24IDTK208	Innovation and Design Thinking	Any Dept.	1	0	0	1	1	50	50	100	
TOTAL					15	04	06	20		400	400	800	

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Name of the branch: EEE Stream: EEE Semester: I Academic Year: 2024-25 Group: Chemistry

S.No	Course and Course Code		Course Title	TD / PSB	Teaching Hours / Week				Examination				SDA
					Lecture	Tutorial	Practical	Credits	Duration in Hours	CIE Marks	SEE Marks	Total Marks	
					L	T	P						
1.	ASC(IC)	B24MAEE101	Mathematics -I for EEE	Maths	2	2	2	4	3	50	50	100	
2.	ASC(IC)	B24CHEE102	Applied Chemistry for EEE	Chemistry	2	2	2	4	3	50	50	100	
3.	ESC	B24CEDK103	Computer Aided Engineering Drawing	Civil/ME	2	0	2	3	3	50	50	100	
4.	ESC-I	B24ESCK143	Introduction to Electronics	ECE	3	0	0	3	3	50	50	100	
5.	PLC-I	B24PLCK152	Introduction to Python Programming	Any Dept.	2	0	2	3	3	50	50	100	
6.	AEC	B24ENGK106	Communicative English	Humanities	1	0	0	1	1	50	50	100	
7.	HSMC	B24HSKK107/ B24HBKK107	Sanskritika Kannada/ Balake Kannada	Humanities	1	0	0	1	1	50	50	100	
8.	AEC/SDC	B24SFHK108	Scientific Foundation and Health	Any Dept.	1	0	0	1	1	50	50	100	
TOTAL					14	04	08	20		400	400	800	

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L. Ramachandran
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Name of the branch: EEE Stream: EEE Semester: II Academic Year: 2024-25 Group: Physics

S.No	Course and Course Code		Course Title	TD / PSB	Teaching Hours / Week				Examination			SDA	
					Theory Lecture	Tutorial	Practical	Credits	Duration in Hours	CIE Marks	SEE Marks		Total Marks
					L	T	P						
1.	ASC(IC)	B24MAEE201	Mathematics-II for EEE	Maths	2	2	2	4	3	50	50	100	
2.	ASC(IC)	B24PHEE202	Applied Physics for EEE	Physics	2	2	2	4	3	50	50	100	
3.	ESC	B24EEEE203	Elements of Electrical Engineering	EEE	3	0	0	3	3	50	50	100	
4.	ESC-II	B24ESCK245	Introduction to C Programming	CSE	2	0	2	3	3	50	50	100	
5.	ETC-II	B24ETCK254	Renewable Energy Sources	EEE	3	0	0	3	3	50	50	100	
6.	AEC	B24PWSK206	Professional Writing Skills	Humanities	1	0	0	1	3	50	50	100	
7.	HSMC	B24HCIK207	Constitution of India	Humanities	1	0	0	1	1	50	50	100	
8.	AEC/SDC	B24IDTK208	Innovation and Design Thinking	Any Dept.	1	0	0	1	1	50	50	100	
TOTAL					15	04	06	20		400	400	800	

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Name of the branch: R&A Stream: ME Sem : I Academic Year: 2024-25 Group: Chemistry

S. No	Course Category and Course Code		Course Title	TD / PSB	Teaching Hours / Week				Examination			SDA	
					Lecture	Tutorial	Practical	Credits	Duration in Hours	CIE Marks	SEE Marks		Total Marks
					L	T	P						
1	ASC(IC)	B24MAME101	Mathematics - I for ME	Maths	2	2	2	4	3	50	50	100	
2	ASC(IC)	B24CHME102	Applied Chemistry for ME	Chemistry	2	2	2	4	3	50	50	100	
3	ESC	B24CEDK103	Computer Aided Engineering Drawing	Civil/ME	2	0	2	3	3	50	50	100	
4	ESC-I	B24ESCK143	Introduction to Electronics	ECE	3	0	0	3	3	50	50	100	
5	PLC-I	B24PLCK152	Introduction to Python programming	Any Dept.	2	0	2	3	3	50	50	100	
6	AEC	B24ENGL106	Communicative English	Humanities	1	0	0	1	1	50	50	100	
7	HSMC	B24HSKK107/ B24HBKK107	Sanskrutika Kannada/ Balake Kannada	Humanities	1	0	0	1	1	50	50	100	
8	AEC/SDC	B24SFHK108	Scientific Foundation and Health	Any Dept.	1	0	0	1	1	50	50	100	
TOTAL					14	04	08	20		400	400	800	

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Name of the branch: R&A Stream: ME Sem : II Academic Year: 2024-25 Group: Physics

S. No	Course and Course Code		Course Title	TD / PSB	Teaching Hours / Week				Examination			SDA	
					Lecture	Tutorial	Practical	Credits	Duration in Hours	CIE Marks	SEE Marks		Total Marks
					L	T	P						
1.	ASC(IC)	B24MAME201	Mathematics-II for ME	Maths	2	2	2	4	3	50	50	100	
2.	ASC(IC)	B24PHME202	Applied Physics for ME	Physics	2	2	2	4	3	50	50	100	
3.	ESC	B24EMEM244	Elements of Mechanical Engg	ME	2	2	0	3	3	50	50	100	
4.	ESC-II	B24ESCK245	Introduction to C Programming	CSE	2	0	2	3	3	50	50	100	
5.	ETC-II	B24ETCK256	Introduction to IoT	Any Dept.	3	0	0	3	3	50	50	100	
6.	AEC	B24PWSK206	Professional Writing Skills	Humanities	1	0	0	1	1	50	50	100	
7.	HSMC	B24HCIK207	Constitution of India	Humanities	1	0	0	1	1	50	50	100	
8.	AEC/SDC	B24IDTK208	Innovation and Design Thinking	Any Dept.	1	0	0	1	1	50	50	100	
TOTAL					14	06	06	20		400	400	800	

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Name of the branch: CV Stream: CV Sem : I Academic Year: 2024-25 Group: Chemistry

S.No	Course and Course Code		Course Title	TD / PSB	Teaching Hours / Week				Examination			SDA	
					Theory Lecture	Tutorial	Practical	Credits	Duration in Hours	CIE Marks	SEE Marks		Total Marks
					L	T	P						
1.	ASC(IC)	B24MACV101	Mathematics -I for CV	Maths	2	2	2	4	3	50	50	100	
2.	ASC(IC)	B24CHCV102	Applied Chemistry for CV	Chemistry	2	2	2	4	3	50	50	100	
3.	ESC	B24CEDK103	Computer Aided Engineering Drawing	Civil/ME	2	0	2	3	3	50	50	100	
4.	ESC-I	B24ESCK143	Introduction to Electronics	ECE	3	0	0	3	3	50	50	100	
5.	PLC-I	B24PLCK152	Introduction to Python programming	Any Dept.	2	0	2	3	3	50	50	100	
6.	AEC	B24ENGK106	Communicative English	Humanities	1	0	0	1	1	50	50	100	
7.	HSMC	B24HSKK107/ B24HBKK107	Sanskrutika Kannada/ Balake Kannada	Humanities	1	0	0	1	1	50	50	100	
8.	AEC/SDC	B24SFHK108	Scientific Foundation of Health	Any Dept.	1	0	0	1	1	50	50	100	
TOTAL					14	04	08	20		400	400	800	

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Name of the branch: CV Stream: CV Sem: II Academic Year: 2024-25 Group: Physics

S.No	Course and Course Code		Course Title	TD / PSB	Teaching Hours / Week				Examination				SDA
					Theory Lecture	Tutorial	Practical	Credits	Duration in Hours	CIE Marks	SEE Marks	Total Marks	
1	ASC(IC)	B24MACV201	Mathematics -II for CV	Maths	2	2	2	4	3	50	50	100	
2	ASC(IC)	B24PHCV202	Applied Physics for CV	Physics	2	2	2	4	3	50	50	100	
3	ESC	B24EMCV203	Engineering Mechanics	Civil	2	2	0	3	3	50	50	100	
4	ESC-II	B24ESCK242	Introduction to Electrical Engineering	EEE	3	0	0	3	3	50	50	100	
5	ETC-II	B24ETCK255	Waste Management	Any Dept.	3	0	0	3	3	50	50	100	
6	AEC	B24PWSK206	Professional Writing Skills	Humanities	1	0	0	1	3	50	50	100	
7	HSMC	B24HCIK207	Constitution of India	Humanities	1	0	0	1	1	50	50	100	
8	AEC/SDC	B24IDTK208	Innovation and Design Thinking	Any Dept.	1	0	0	1	1	50	50	100	
TOTAL					15	06	04	20		2	400	800	

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Name of the branch: ISE Stream: CSE Sem : I Academic Year: 2024-25 Group: Chemistry

S. No	Course Category and Course Code		Course Title	TD / PSB	Teaching Hours / Week				Examination			SDA	
					Theory Lecture	Tutorial	Practical	Credits	Duration in Hours	CIE Marks	SEE Marks		Total Marks
					L	T	P						
1.	ASC(IC)	B24MACS101	Mathematics-I for CSE	Maths	2	2	2	4	3	50	50	100	
2.	ASC(IC)	B24CHCS102	Applied Chemistry for CSE	Chemistry	2	2	2	4	3	50	50	100	
3.	ESC	B24CEDK103	Computer Aided Engineering Drawing	Civil/ME	2	0	2	3	3	50	50	100	
4.	ESC-I	B24ESCK143	Introduction to Electronics	ECE	3	0	0	3	3	50	50	100	
5.	PLC-I	B24PLCK152	Introduction to Python programming	Any Dept.	2	0	2	3	3	50	50	100	
6.	AEC	B24ENGK106	Communicative English	Humanities	1	0	0	1	1	50	50	100	
7.	HSMC	B24HSKK107/ B24HBKK107	Sanskritika Kannada/ Balake Kannada	Humanities	1	0	0	1	1	50	50	100	
8.	AEC/SDC	B24SFHK108	Scientific Foundation and Health	Any Dept.	1	0	0	1	1	50	50	100	
TOTAL					14	04	08	20		400	400	800	

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S.No	Course Category and Course Code		Course Title	TD / PSB	Teaching Hours / Week				Examination				SDA
					Lecture	Tutorial	Practical	Credits	Duration in Hours	CIE Marks	SEE Marks	Total Marks	
					L	T	P						
1	ASC(IC)	B24MACS201	Mathematics-II for CSE	Maths	2	2	2	4	3	50	50	100	
2	ASC(IC)	B24PHCS202	Applied Physics for CSE	Physics	2	2	2	4	3	50	50	100	
3	ESC	B24POPC203	Principles of Programming using C	CSE	2	0	2	3	3	50	50	100	
4	ESC-II	B24ESCK242	Introduction to Electrical Engineering	EEE	3	0	0	3	3	50	50	100	
5	ETC-II	B24ETCK256	Introduction to IoT	Any Dept.	3	0	0	3	3	50	50	100	
6	AEC	B24PWSK206	Professional Writing Skills	Humanities	1	0	0	1	1	50	50	100	
7	HSMC	B24HCIK207	Constitution of India	Humanities	1	0	0	1	1	50	50	100	
8	AEC/SDC	B24IDTK208	Innovation and Design Thinking	Any Dept.	1	0	0	1	1	50	50	100	
TOTAL					15	04	06	20		400	400	800	

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Name of the branch: CSE, CSD Stream: CSE Sem : I Academic Year: 2024-25 Group: Physics

S.No	Course Category and Course Code		Course Title	TD / PSB	Teaching Hours / Week				Examination			SDA	
					Lecture	Tutorial	Practical	Credits	Duration in Hours	CIE Marks	SEE Marks		Total Marks
					L	T	P						
1.	ASC(IC)	B24MACS101	Mathematics -I for CSE	Maths	2	2	2	4	3	50	50	100	
2.	ASC(IC)	B24PHCS102	Applied Physics for CSE	Physics	2	2	2	4	3	50	50	100	
3.	ESC	B24POPC103	Principles of Programming using C	CSE	2	0	2	3	3	50	50	100	
4.	ESC-1	B24ESCK142	Introduction to Electrical Engineering.	EEE	3	0	0	3	3	50	50	100	
5.	ETC-1	B24ETCK156	Introduction to IoT	Any Dept.	3	0	0	3	3	50	50	100	
6.	AEC	B24ENGK106	Communicative English	Humanities	1	0	0	1	3	50	50	100	
7.	HSMC	B24HCIK107	Constitution of India	Humanities	1	0	0	1	1	50	50	100	
8.	AEC/SDC	B24IDTK108	Innovation and Design Thinking	Any Dept.	1	0	0	1	1	50	50	100	
TOTAL					15	04	06	20		400	400	800	

SDA: Skill Development Activity, TD/PSB: Teaching department/Paper setting board, ASC: Applied Science Course, ESC: Engineering Science Course, ETC: Emerging Technology Course, AEC: Ability Enhancement Course, HSMC: Humanity, Social Science and Management Course, SDC: Skill Development Course, CIE: Continuous Internal Evaluation, SEE: Semester End Examination


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Rajarajeswari College of Engineering
An Autonomous Institution

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Ramohalli Cross, Kumbalgodu, Mysore Road, Bengaluru-74



Name of the branch: CSE, CSD Stream: CSE Sem : II Academic Year: 2024-25 Group: Chemistry

S. No	Course Category and Course Code		Course Title	TD / PSB	Teaching Hours / Week				Examination				SDA
					Lecture	Tutorial	Practical	Credits	Duration in Hours	CIE Marks	SEE Marks	Total Marks	
					L	T	P						
1.	ASC(IC)	B24MACS201	Mathematics II for CSE	Maths	2	2	2	4	3	50	50	100	
2.	ASC(IC)	B24CHCS202	Applied Chemistry for CSE	Chemistry	2	2	2	4	3	50	50	100	
3.	ESC	B24CEDK203	Computer Aided Engineering Drawing	Civil/ME	2	0	2	3	3	50	50	100	
4.	ESC-II	B24ESCK243	Introduction to Electronics	ECE	3	0	0	3	3	50	50	100	
5.	PLC-II	B24PLCK252	Introduction to Python programming	Any Dept.	2	0	2	3	3	50	50	100	
6.	AEC	B24PWSK206	Professional writing Skills	Humanities	1	0	0	1	1	50	50	100	
7.	HSMC	B24HSKK207/ B24HBKK207	Sanskrutika Kannada/ Balake Kannada	Humanities	1	0	0	1	1	50	50	100	
8.	AEC/SDC	B24SFHK208	Scientific Foundation of Health	Any Dept.	1	0	0	1	1	50	50	100	
TOTAL					14	04	08	20		400	400	800	

SDA: Skill Development Activity, TD/PSB: Teaching department/Paper setting board, ASC: Applied Science Course, ESC: Engineering Science Course, ETC: Emerging Technology Course, AEC: Ability Enhancement Course, HSMC: Humanity and Social Science and Management Course, SDC: Skill Development Course, CIE: Continuous Internal Evaluation, SEE: Semester End Examination


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Name of the branch: AIML, CSE(IC) Stream: CSE Sem : I Academic Year: 2024-25 Group:Physics

S.No	Course and Course Code		Course Title	TD / PSB	Teaching Hours / Week				Examination			SDA	
					Lecture	Tutorial	Practical	Credits	Duration in Hours	CIE Marks	SEE Marks		Total Marks
					L	T	P						
1.	ASC(IC)	B24MACS101	Mathematics-I for CSE	Maths	2	2	2	4	3	50	50	100	
2.	ASC(IC)	B24PHCS102	Applied Physics for CSE	Physics	2	2	2	4	3	50	50	100	
3.	ESC	B24POPC103	Principles of Programming using C	CSE	2	0	2	3	3	50	50	100	
4.	ESC-1	B24ESCK143	Introduction to Electronics	ECE	3	0	0	3	3	50	50	100	
5.	ETC-1	B24ETCK156	Introduction to IoT	Any Dept.	3	0	0	3	3	50	50	100	
6.	AEC	B24ENGK106	Communicative English	Humanities	1	0	0	1	3	50	50	100	
7.	HSMC	B24HCK107	Constitution of India	Humanities	1	0	0	1	1	50	50	100	
8.	AEC/SDC	B24IDTK108	Innovation and Design Thinking	Any Dept.	1	0	0	1	1	50	50	100	
TOTAL					15	04	06	20		400	400	800	

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Name of the branch: AIML, CSE(IC) Stream: CSE Sem : II Academic Year: 2024-25 Group:Chemistry

S.No	Course and Course Code		Course Title	TD / PSB	Teaching Hours / Week				Examination				SDA
					Theory Lecture	Tutorial	Practical	Credits	Duration in Hours	CIE Marks	SEE Marks	Total Marks	
					L	T	P						
1.	ASC(IC)	B24MACS201	Mathematics -II for CSE	Maths	2	2	2	4	3	50	50	100	
2.	ASC(IC)	B24CHCS202	Applied Chemistry for CSE	Chemistry	2	2	2	4	3	50	50	100	
3.	ESC	B24CEDK203	Computer Aided Engineering Drawing	Civil/ME	2	0	2	3	3	50	50	100	
4.	ESC-II	B24ESCK242	Introduction to Electrical Engineering	EEE	3	0	0	3	3	50	50	100	
5.	PLC-II	B24PLCK252	Introduction to Python programming	Any Dept.	2	0	2	3	3	50	50	100	
6.	AEC	B24PWSK206	Professional writing Skills	Humanities	1	0	0	1	1	50	50	100	
7.	HSMC	B24HSKK207/ B24HBKK207	Sanskrutika Kannada/ Balake Kannada	Humanities	1	0	0	1	1	50	50	100	
8.	AEC/SDC	B24SFHK208	Scientific Foundation of Health	Any Dept.	1	0	0	1	1	50	50	100	
TOTAL					14	04	08	20		400	400	800	

SDA: Skill Development Activity, TD/PSB: Teaching department/Paper setting board, ASC: Applied Science Course, ESC: Engineering Science Course, ETC: Emerging Technology Course, AEC: Ability Enhancement Course, HSMC: Humanity and Social Science and Management Course, SDC: Skill Development Course, CIE: Continuous Internal Evaluation, SEE: Semester End Examination

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