



**VINAYAKA MISSION'S
RESEARCH FOUNDATION**
(Deemed to be University under section 3 of the UGC Act 1956)



PROGRAMME STRUCTURE : BACHELOR OF SCIENCE (ECONOMICS) HONOURS / HONOURS WITH RESEARCH 2024-28

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Contents

1.	Program Outcomes & Objectives	1
1.1.	Programme Outcomes	1
1.2.	Programme Specific Outcomes	1
1.3.	Program Objectives	1
2.	Duration of The Programme	2
3.	Medium of Instruction	2
4.	Program Structure	3

BACHELOR OF SCIENCE (ECONOMICS) HONOURS / HONOURS WITH RESEARCH

1. Program Outcomes & Objectives

1.1. Programme Outcomes

The programme Outcomes (hereafter, POs) are as follows:

- PO 1-Students will acquire the skills to identify and address issues related to the economy, business, public policy, and society effectively using appropriate data and observations.
- PO 2- The curriculum will rigorously train students to objectively and critically assimilate and examine information, encompassing core, interdisciplinary, and applied subjects.
- PO 3- The curriculum will proficiently apply analytical skills acquired during the program, demonstrating expertise in various software for statistical computing, analytics and graphics.
- PO 4- Through academic excellence, students will develop strong analytical, quantitative & qualitative abilities, fostering a problem-solving aptitude encouraging them to engage in meaningful research-oriented activities towards a sustainable future, motivated by the pursuit of holistic learning outcomes.
- PO 5-The program aims to build human capital by sharpening transferable skills that will empower students to pursue advanced employment and entrepreneurial opportunities and thereby adding value to their professional pursuits.

1.2. Programme Specific Outcomes

The Programme Specific Outcomes (hereafter, PSOs) are as follows:

- Post the successful completion of the programme, graduates will be equipped to address complex socio-economic issues through data-driven analysis and critical thinking. They will leverage quantitative and qualitative skills to solve real-world problems, fostering sustainable solutions and contributing meaningfully to their chosen fields. This expertise will empower them for successful careers in research, business, and policymaking.

1.3. Program Objectives

The Programme Objectives (hereafter, POBJs) of the recommended curriculum are as follows:

- 1) Strive to maintain an ongoing commitment to elevate academic excellence and enhance research outcomes continually aiming to instil a culture of scientific inquiry and nurture creativity among our students.
- 2) Emphasize the values of inclusion and sustainability, fostering an environment that promotes empathy and respect for diversity.
- 3) Cultivate a passion for lifelong learning, encouraging our students to be curious and adaptable throughout their personal and professional lives.
- 4) Nurture future leaders and problem-solvers, enabling them to emerge as conscientious global citizens, aware of their responsibilities towards society and the planet.

2. Duration of The Programme

- The duration of the program is 4 years with 8 academic semesters and compulsory rotatory internship as per the UGC guidelines.
- The maximum duration permitted for a candidate to complete the B.Sc Economics Honours/ (Honours with Research) degree program is Seven years from the date of joining the program¹.

3. Medium of Instruction

- The medium of instruction for all the courses of study and for examination of the program shall be English

¹ Refer page number 14, clause number 3.4 of [7193743_FYUGP.pdf \(ugc.gov.in\)](https://www.ugc.gov.in/7193743_FYUGP.pdf)

4. Program Structure

VMRF course code	Course Code (internal to VSEP)	Course Title	Type of course	Credit	Continuous Assessment Marks	Term End Examination Marks	Total Marks	Lecture (L)	Tutorial (T)	Practical (P)	Credit (C)
Semester 1											
	MJC E0101	Principles of Economics	Foundation/Core	4	40	60	100	4	0	0	4
	MJC E0102	Foundation of Mathematics -I	Foundation/Core	4	40	60	100	3	1	0	4
	MJC E0103	Statistics for Social Science -1	Foundation/Core	4	40	60	100	3	1	0	4
	ID P0101	Economics and Public Policy- An Overview	Multidisciplinary Courses/Elective	3	20	30	50	3	0	0	3
	AEC 1	English Language	Ability Enhancement Course	2	10	40	50	1	1	0	2
	SEC 1	Foundation of R-Programming	Skill Enhancement Course	3	10	40	50	1	0	2	3
	VAC 1	Environmental Studies	Value Added Course	2	10	40	50	1	0	1	2
			Grand Total	22	170	330	500	16	3	3	22
Semester II											
	MJC E0204	Microeconomics	Foundation/Core	4	40	60	100	4	0	0	4
	MJC E0205	Foundation of Mathematics -II	Foundation/Core	4	40	60	100	3	1	0	4
	MJC E0206	Statistics for Social Science -II	Foundation/Core	4	40	60	100	3	1	0	4
	ID P0202	Indian Economy and Polity	Multidisciplinary Courses/Elective	3	20	30	50	3	0	0	3

	AEC 2	Foreign Language I (Student have to choose any one: Spanish/French)	Ability Enhancement Course	2	10	40	50	1	1	0	2
	SEC 2	Report Writing using LaTeX	Skill Enhancement Course	3	10	40	50	1	0	2	3
	VAC 2	Introduction to Indian Culture and Heritage	Value Added Course	2	10	40	50	1	1	0	2
			Grand Total	22	170	330	500	16	4	2	22

Exit with UG certificate

Requirement for UG certificate- According to UGC, minimum 40 credits to be need to be completed by students at the end of 1st year of the programme, while VSEP provide 44 credits

Students exiting the programme after securing 40 credits will be awarded UG Certificate in the relevant Discipline /Subject provided they secure 4 credits in work based vocational courses offered during summer term or internship / Apprenticeship in addition to 6 credits from skill-based courses earned during first and second semester.

Semester III

	MJC E0307	Macroeconomics	Foundation/Core	4	40	60	100	4	0	0	4
	MJC E0308	Public Finance	Foundation/Core	4	40	60	100	3	1	0	4
	MJC E0309	History of Economic Thought	Foundation/Core	4	40	60	100	4	0	0	4
	ID P0303	Governance, Ethics and Public Policy	Multidisciplinary Courses/Elective	3	20	30	50	3	0	0	3
	AEC 3	Academic Writing and Speaking	Ability Enhancement Course	2	10	40	50	1	0	1	2
	SEC 3	Experiential Learning (Rural Exposure Visit)	Skill enhancement Course	3	10	40	50	0	0	3	3
	VAC 3	Yoga/Health & Wellness	Value Added Course	2	10	40	50	0	0	2	2
			Grand Total	22	170	330	500	15	1	6	22

Semester IV											
	MJC E0410	Development Economics	Foundation/Core	4	40	60	100	4	0	0	4
	MJC E0411	Basic Econometrics	Foundation/Core	4	40	60	100	3	0	1	4
	MNC BH0401	Introduction to Health Economics	Foundation/Core	4	40	60	100	4	0	0	4
	MNC BD0401	Introduction to Data Analytics	Foundation/Core	4	40	60	100	4	0	0	4
	AEC 4	Foreign Language II (Student have to choose any one: Spanish/French)	Ability Enhancement Course	2	10	40	50	1	0	1	2
	MNI 1	Internship	Mandatory Internship	2	50	0	50	0	0	2	2
			Grand Total	20	220	280	500	16	0	4	20

Exit with Diploma degree

Requirement for Diploma- According to UGC, minimum 80 credits to be need to be completed by students at the end of 2nd year of the programme, while VSEP provide 86 credits

Students exiting the programme after securing 80 credits will be awarded UG Diploma in the relevant Discipline /Subject provided they secure additional 4 credit in skill based vocational courses offered during first year or second year summer term.

Semester V											
	MJC E0512	International Trade Theory	Foundation/Core	4	40	60	100	4	0	0	4
	MJC E0513	Environmental Economics	Foundation/Core	4	40	60	100	3	1	0	4
	MJC E0514	Labour Economics	Foundation/Core	4	40	60	100	3	1	0	4
	MNC BH0502	Health Economics- Epidemiology and Public Health Systems	Minor - choose any one based on preferred specialization	4	40	60	100	4	0	0	4
	MNC BD0502	Data Analytics-Data Structures and Algorithms						2	0	2	4
	MNC BH0503	Health Economics- Health law and Medical Ethics	Minor- choose any one based on	4	40	60	100	4	0	0	4

	MNC BD0503	Data Analytics- Python+Lab/Python Programming Laboratory	preferred specialization					3	0	1	4
			Grand Total	20	200	300	500	10+8 10+5	2+0 2+0	0+0 0+3	20
Semester VI											
	MJC E0615	Economic Growth	Foundation/Core	4	40	60	100	3	1	0	4
	MJC E0616	Behavioural Economics	Foundation/Core	4	40	60	100	3	1	0	4
	MJC E0617	Agriculture Economics	Foundation/Core	4	40	60	100	3	1	0	4
	MJC E0618	Application of mathematics in Economics	Core paper /Research Methodology (Qualitative and Quantitative)	4	40	60	100	4	0	0	4
	MNC BH0604	Health Economics- Economics of Health Care interventions	Minor- choose any one based on preferred specialization	4	40	60	100	4	0	0	4
	MNC BD0604	Data Analytics- SQL +Lab						2	0	2	4
			Grand Total	20	200	300	500	13+4 13+2	3+0 3+0	0+0 0+2	20
Exit with B.Sc. Economics											
Requirement for B.Sc. Economics - According to UGC, minimum 120 credits to be need to be completed by students at the end of 3rd year of the programme, VSEP provide 126 credits											
Students who want to undertake 3-year UG programme will be awarded UG Degree in 120 the relevant Discipline /Subject upon securing 120 credits											
Semester VII											
	MJC E0719	Introduction to Research Methodology	Foundation/Core	4	40	60	100	4	0	0	4
	MJC E0720	Game Theory	Foundation/Core	4	40	60	100	3	1	0	4
	MJC E0721	Advance Econometrics	Foundation/Core	4	40	60	100	3	0	1	4

	MNC BH0705	Health Economics- Monitoring and Evaluation of Health Care Programs	Minor choose any one based on preferred specialization	4	40	60	100	3	1	0	4
	MNC BD0705	Data Analytics-Exploratory Data Analysis+Laby						2	0	2	4
	MNC BH0706	Health Economics- Society Health, Sickness and Healing	Minor choose any one based on preferred specialization	4	40	60	100	4	0	0	4
	MNC BD0706	Data Analytics- Data Mining						2	0	2	4
			Grand Total	20	200	300	500	10+7 10+4	1+1 1+0	1+0 1+4	20
Semester VIII											
	MNC BH0807	Health Economics –Health Policy and Delivery Systems	Minor choose any one based on preferred specialization	4	40	60	100	3	1	0	4
	MNC BD0807	Data Analytics – Big Data Analytics with Hadoop						1	0	3	4
	MNC BH0808	Health Economics – Biostatistics with Software	Minor choose any one based on preferred specialization	4	40	60	100	3	0	1	4
	MNC BD0808	Data Analytics – Machine Learning +Lab*						2	0	2	4
* Honours students not undertaking research will do 3 courses for 12 credits in lieu of a research project / Dissertation.											
	MJC E0817	Institutional Economics	Foundation/Core	4	40	60	100	4	0	0	4
	MJC E0818	Advanced Training in Census and Large-Scale Survey – Census, NSS, NFHS	Foundation/Core	4	100		100	2	0	2	4
	MJC E0819	Emerging Markets, Global Business and International Economy	Foundation/Core	4	40	60	100	4	0	0	4
		For BSc Economics with Honours	Grand Total	20	320	180	500	13 10	1 0	6 10	20 20
Exit with BSc Economics (Honours)											

Requirement for BSc Economics (Honours)- According to UGC, minimum 160 credits to be need to be completed by students at the end of 4th year of the programme, while VSEP provide 166 credits

MNC BH0807	Health Economics –Health Policy and Delivery Systems	Minor choose any one based on preferred specialization	4	40	60	100	3	1	0	4
MNC BD0807	Data Analytics – Big Data Analytics with Hadoop						1	0	3	4
MNC BH0808	Health Economics – Biostatistics with Software	Minor choose any one based on preferred specialization	4	40	60	100	3	0	1	4
MNC BD0808	Data Analytics – Machine Learning +Lab*						2	0	2	4
	Research Project/Dissertation	In Major (Economics) Only	12	100	200	300	4	0	8	12
	For BSc Economics Honours with Research	Grand Total	20	180	320	500	10 7	1 0	9 13	20

Exit with BSc Economics (Honours with Research)

Requirement for BSc Economics (Honours with Research)- According to UGC, minimum 160 credits to be need to be completed by students at the end of 4th year of the programme, while VSEP provide 166 credits

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