



**School of Agricultural Sciences
Yashwantrao Chavan Maharashtra Open University
Nashik – 422 222**

**POST GRADUATE PROGRAM
(M.Sc. Program in Agricultural Extension)
PROGRAM PROSPECTUS & ADMISSION FORM: 2017**



**The Director
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Post Graduate Program Time Table: 2017-18

M. Sc. in Agricultural Extension:

- 1. Filling of On-line Pre-admission Form: 1- 15 June-2017**
2. Publication of Merit List & Waiting List: 21 June-2017
3. Merit List Admission Round: 22-24, June-2017
4. Waiting List Admission Round: 27-28, June-2017
5. On Spot Round Admission 3-8, July 2017
6. Second/Third/Fourth/Fifth/Sixth Year Admission: 1-15, June-2017
7. Semester:1: First & Second Contact Session: 11, 12, 13 August, 2017
8. Semester:1: Third & Fourth Contact Session: 8, 9, 10, September, 2017
9. Semester:1: Fifth & Sixth Contact Session: 13, 14, 15, October, 2017
- 10. Semester:1: Final Examination: 10, 11, 12, November, 2017**
11. Semester:2: First & Second Contact Session: 12, 13, 14, January, 2018
12. Semester:2: Third & Fourth Contact Session: 9, 10, 11, February, 2018
13. Semester:2: Fifth & Sixth Contact Session: 9, 10, 11, March, 2018
- 14. Semester:2: Final Examination: 6, 7, 8, April, 2018**

Production

Shri. Anand Yadav, Manager,
Print Production Centre, YCMOU, Nashik - 422 222

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Semester-1: Teaching & Counseling Time Table:		
<i>Date</i>	<i>Time</i>	<i>Activity</i>
August 11, 2017	10.00 to 11.00	Introduction, Attendance & Distribution of Identity Cards
	11.00 to 13.00	Inauguration of PGR Programs
	14.00 to 16.00	Presentation of PGR Degree Programs
	16.00 to 18.00	Presentation of Course Contents & IQ Testing
August 12, 2017	10.00 to 12.30	AGR 401 First Contact Session
	14.00 to 16.30	AGR 402 First Contact Session
	16.30 to 19.00	AGR 403 First Contact Session
August 13, 2017	10.00 to 12.30	AGR 401 Second Contact Session
	14.00 to 16.30	AGR 402 Second Contact Session
	16.30 to 19.00	AGR 403 Second Contact Session
September 8, 2017	10.00 to 12.30	AGR 401 Third Contact Session
	14.00 to 16.30	AGR 402 Third Contact Session
	16.30 to 19.00	AGR 403 Third Contact Session
September 9, 2017	10.00 to 12.30	AGR 401 Fourth Contact Session
	14.00 to 16.30	AGR 402 Fourth Contact Session
	16.30 to 19.00	AGR 403 Fourth Contact Session
September 10, 2017	10.00 to 12.30	Special Contact Session 1
	14.00 to 16.00	Special Contact Session 2
	16.00 to 18.00	Special Contact Session 3
October 13, 2017	10.00 to 12.30	AGR 401 Fifth Contact Session
	14.00 to 16.30	AGR 402 Fifth Contact Session
	16.30 to 19.00	AGR 403 Fifth Contact Session
October 14, 2017	10.00 to 12.00	AGR 401 : Revision & Internal Examination
	14.00 to 16.00	AGR 402 : Revision & Internal Examination
	16.00 to 18.00	AGR 403 : Revision & Internal Examination
October 15, 2017	10.00 to 13.00	ORW/SRW/Research Seminar/Academic Seminar
	14.00 to 17.00	ORW/SRW/Research Seminar/Academic Seminar
November 2017: Semester-1 Final Examination : 10, 11, 12 November 2017		
Semester-2 Teaching & Counseling Time Table		
January 12, 2018	10.00 to 12.30	AGR 404 First Contact Session
	14.00 to 16.30	AGR 405 First Contact Session
	16.30 to 19.00	AGR 406 First Contact Session
January 13, 2018	10.00 to 12.30	AGR 404 Second Contact Session
	14.00 to 16.30	AGR 405 Second Contact Session
	16.30 to 19.00	AGR 406 Second Contact Session
January 14, 2018	10.00 to 13.00	ORW/SRW/Research Seminar/Academic Seminar
	14.00 to 17.00	ORW/SRW/Research Seminar/Academic Seminar
February 9, 2018	10.00 to 12.30	AGR 404 Third Contact Session
	14.00 to 16.30	AGR 405 Third Contact Session
	16.30 to 19.00	AGR 406 Third Contact Session
February 10, 2018	10.00 to 12.30	AGR 404 Fourth Contact Session
	14.00 to 16.30	AGR 405 Fourth Contact Session
	16.30 to 19.00	AGR 406 Fourth Contact Session
February 11, 2018	10.00 to 13.00	ORW/SRW/Research Seminar/Academic Seminar
	14.00 to 17.00	ORW/SRW/Research Seminar/Academic Seminar
March 9, 2018	10.00 to 12.30	AGR 404 Fifth Contact Session
	14.00 to 16.30	AGR 405 Fifth Contact Session
	16.30 to 19.00	AGR 406 Fifth Contact Session
March 10, 2018	10.00 to 12.00	AGR 404 : Revision & Internal Examination
	14.00 to 16.00	AGR 405 : Revision & Internal Examination
	16.00 to 18.00	AGR 406 : Revision & Internal Examination
March 11, 2018	10.00 to 13.00	ORW/SRW/Research Seminar/Academic Seminar
	14.00 to 17.00	ORW/SRW/Research Seminar/Academic Seminar
April 2018: Semester-2 Final Examination : 6, 7, 8 April 2018		
Final Examination: Course Titles		
AGR : 401 : Foundation in Agricultural Extension		
AGR : 402 : Advances in Agricultural Extension		
AGR : 403 : Agricultural Extension Management		
AGR : 404 : ICT in Agriculture Development		
AGR : 405 : Research Methods & Statistical Analysis		
AGR : 406 : Scaling Techniques in Social Sciences & Agricultural Extension		

M.Sc. Programs in Agricultural Extension

1. Yashwantrao Chavan Maharashtra Open University

Yashwantrao Chavan Maharashtra Open University (YCMOU) is established by the Government of Maharashtra by the Act No. XX in July, 1989 at Nashik. The University is recognized and Approved by the University Grant Commission (UGC), Distance Education Beauru (DEB) and Ministry of Human Resources Development (MHRD), Government of India. YCMOU has Jurisdiction of entire State of Maharashtra.

Mandates, Mission & Objectives: YCMOU is established with a mission of becoming a Mass University to provide education for all who need it. YCMOU intends to use open and distance learning approaches, local language, and Information Communication Technology in Teaching and Learning to fulfill academic needs and aspirations of communities in various streams of General, Technical, Vocational and professional education in the State of Maharashtra.

The University is mandated with following Objectives: 1. To make higher, vocational and technical education available to large sections of the population. 2. To provide special attention to the needs of the disadvantaged groups of people in rural areas and women. 3. To relate all courses to the developmental needs of individuals, institutions and the State. 4. To provide an innovative, flexible and open system of education by using cutting edge Information Communication Technologies in education. 5. To provide continuing, adult and extension education. 6. To provide opportunities in Post Graduate and Research areas in all fields of knowledge.

2. School of Agricultural Sciences

The School of Agricultural Sciences (SAS) is established with the objectives to provide higher education and to promote open and distance education in Agriculture and Rural Development. The School of Agricultural Sciences since its establishment in 1989 has developed and operated need-based educational programs in the areas of Agriculture, Horticulture and Agri-business Management and Agricultural Extension, reaching out to more than 2,80,000 Distance Learners in 25 years in Maharashtra.

The School of Agricultural Sciences has developed and implemented following Academic Programs in Agricultural Sciences: 1. Certificate Program in Gardening, 2. Foundation Program in Agricultural Sciences, 3. Diploma in Horticulture, 4. Diploma in Agri-business Management, 5. Diploma in Agro-Journalism, 6. Diploma in Fruits Production, 7. Diploma in Vegetable Production, 8. Diploma in Floriculture & Landscape Gardening, 9. Bachelor of Science in Agriculture (B.Sc. (Agri.)), 10. Bachelor of Science in Horticulture (B.Sc.(Horti.)), and 11. Master of Sciences in Agricultural Extension (M.Sc. (Agricultural Extension)).

3. Post Graduate Programs in Agricultural Extension

3.1 Objectives of PGR Programs

The basic objectives of programs in Agricultural Extension is to develop Scientific and Research minded Human Resource, who will face the new challenges of using Information Communication Technologies in Agricultural Development, while working in the Department of Agriculture, Krishi Vigyan Kendras, Zilla

Parishads, Nationalized Banks, Rural Development Banks, Non Governmental Organizations and State Agricultural Universities in India.

3.2 Program Structure

The PGR Program consists of Two Components: 1. Course Work, 2. Research Thesis. The structure of Core Courses and Research Thesis with Credit Point, Academic Work Load and Evaluation System is given below.

- **M.Sc. in Agricultural Extension**

Sr. No.	Academic Component	Credit Points	Marks
	Course Work (CW)		
1.	AGR-401: Foundation in Agricultural Extension	8	100
2.	AGR-402: Advances in Agricultural Extension	8	100
3.	AGR-403: Agricultural Extension Management	8	100
4.	AGR-404: ICT in Agricultural Development	8	100
5.	AGR-405: Research Methods & Statistical Analysis	8	100
6.	AGR-406: Scaling Techniques in Social Sciences	8	100
	Research Work (RW)		
1.	AGR-407 : Research Thesis	16	200
	Total Requirements	64	800

4. Admission Process

4.1 Admission Eligibility, Process and Number of Seats

Sr.No.	Program	No. of Seats	Eligibility/Qualification
1	M.Sc. in Agricultural Extension	20	Graduate in Agricultural Sciences in First Class(*)

(*) **Graduate in Agricultural Sciences means Graduates in:** Agriculture, Horticulture, Forestry, Fisheries, Animal Sciences, Veterinary Sciences, Agricultural Engineering, Agri-Business Management, Agricultural Biotechnology, Food Sciences & Technology, Home Sciences, Information Communication Technology in Agriculture and Other Allied & Applied Agricultural Sciences listed in purview of Agricultural Universities & Open Universities in India.

4.2 Reservation Policy for Admission:

The Social Reservation for the PGR Admission shall be as per the Government of Maharashtra Guidelines for admission. The Reservation classification is as given below.

Social Reservation for M.Sc. in Agricultural Extension Program

Sr. No.	Class of Reservation	Reservation %	M.Sc. Seats
1.	Scheduled Caste(SC)	13.00	03
2.	Scheduled Tribes (ST)	07.00	02
3.	Vimukta Jati – (VJ-A)	03.00	00
4.	Nomadic Tribes (NT-B)	02.50	00
5.	Nomadic Tribes (NT-C)	03.50	01
6.	Nomadic Tribes (NT-D)	02.00	00
7.	Other Backward Class (OBC)	19.00	03
8.	Unreserved (Open)	50.00	11
		100.00	20

4.3 Seat Distribution Matrix for M.Sc. in Agricultural Extension Program

Total Seats	20				Program	M.Sc. (Agril. Extension)		
Category	%	General	Female	PAP	FF	DP	PH	Total
% Reservation		59.00	30.00	4.00	2.00	2.00	3.00	100.00
Seats As Per%		12.00	6.00	1.00	0.00	0.00	1.00	20.00
SC	13.00	2.00	1.00	0.00	0.00	0.00	0.00	3.00
ST	7.00	1.00	1.00	0.00	0.00	0.00	0.00	2.00
VJ-A	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NT-B	2.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NT-C	3.50	1.00	0.00	0.00	0.00	0.00	0.00	1.00
NT-D	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OBC	19.00	2.00	1.00	0.00	0.00	0.00	0.00	3.00
Open	50.00	6.00	3.00	1.00	0.00	0.00	1.00	11.00
Total Seats	100.00	12.00	6.00	1.00	0.00	0.00	1.00	20.00

PH = Physically Handicapped Person, FF= Freedom Fighter, DP= Defense Personnel, PAP= Project Affected Person.

4.4 Program Fees

Sr. No.	Program	Annual Program Fees (Rs)	University Share (Rs.)	Study Centre Share (Rs.)
1.	M.Sc. Agricultural Extension	10,000	5,000	5,000

4.5 Program Duration

The duration of the M.Sc. program is minimum 2 years and Maximum 5 Years from the date of first registration.

4.6 Medium of Instruction:

The Medium of Instruction for Post Graduate Program shall be English.

4.7 Learning Method

The Masters Students has to complete Course Work (CW) in first year and Research Thesis (RW) in second year.

However, Participation in all Counseling Sessions conducted at YCMOU, Nashik during each semester is compulsory to all candidates, failing of which no student shall be allowed to appear for final examination.

5. Admission and Registration Process

- 5.1** The advertisement for Post Graduate programs Admission in Agricultural Extension of Yashwantrao Chavan Maharashtra Open University is published in the month of May each year. However, you can view the advertisement on **our website:** www.ycmou.digitaluniversity.ac and www.ycmou.ac.in well in advance.
- 5.2** M. Sc. Program Admission shall be given on the basis of merit and social reservation as per the Time Table published in the Program Prospectus.
- 5.3** Merit List of selected Candidates on the basis of Merit cum Social Reservation will be Published on University Website for information.
- 5.4** Selected Candidates are required to seek their admission in time by paying Admission Fees in full, failing of which the vacant seat will be filled in from the waiting list prepared for the purpose.
- 5.5** The candidate has to pay program fees at the time of admission at YCMOU, Nashik, through Online Payment. The program fees covers Cost of Learning Materials, Theory Contact Sessions, Research Assignments, Seminars, Presentation, Evaluation, Internal & Final Examination and Certification.

6. Examination and Evaluation

The university follows Semester System and 10 Point Grading System for evaluation. The passing percentage for each courses and each component is minimum 50 marks.

- **Course Work:** This Component Consists of 6 Courses for 48 Credit Points in two semester, each course will be evaluated through 20 marks for internal evaluation and 80 marks for final evaluation (Total: 600 Marks)
- **Research Thesis Work:** This Component Consists of Major Research Thesis for 200 Marks for M.Sc. program.

The present marking and its corresponding Grade and Class shall be as follows.

<i>Percentage (%) of Marks</i>	<i>Grade</i>	<i>Weight</i>	<i>Academic Class</i>
75 and Above	O	10	First Class with Distinction
70 to 74.99	A+	9	First Class with Honors
65 to 69.99	A	8	First Class
60 to 64.99	B+	7	Higher Second Class
55 to 59.99	B	6	Second Class
50 to 54.99	C	5	Pass Class
Less than 50	F	0	Fail

Credit Points

One Credit Point workload of Studies means a study of 30 hours, which includes time spent on Self Studies, contact sessions, Online and Offline interaction with Teacher Counselors and Research Guide, Laboratory and Field Practical, Survey, Research Assignments, Seminars, Data Collection, Data Analysis, Reading and Writing towards Specific Attainment.

The Course Work Component of M.Sc. is 48 Credit Points (1500 Hours), Research Component for M.Sc. Thesis is 16 Credit Points (500 Hours). Thus Total Credit Points for M.Sc. Program is 64 Credit Points (2000 Hours of studies).

7. Selection of Research Guide

- 8.1 Post Graduate students shall select their Research Guide in consultation with the Director, School of Agricultural Sciences, YCMOU, Nashik.
- 8.2 The Research Guide for M.Sc. program in Agricultural Extension **shall be Ph.D. in Agricultural Extension with minimum 5 Years Teaching / Research / Extension experience at minimum Assistant Professor level in the College or University.**
- 8.3 M.Sc. students shall present Outline of Research Work (ORW) before the panel of experts for approval.

8. Appendices

Appendix 1 : Format for Model Question Papers (Internal Examination)

Yashwantrao Chavan Maharashtra Open University

M.Sc. Program in Agricultural Extension

Internal Examination

AGR: 401: Foundation in Agricultural Extension

Date: -----

Duration: 20 Minutes

Maximum Marks: 20

Instruction: Attempt all questions. Each sub-question carries 1 marks.

- Q.1 a) What is the primary unit of society?
A) Person B) Home C) Family D) People
- b) National Agricultural Technology Project (NATP) was initiated in the year
A) 1996 B) 1999 C) 1997 D) 1998
- c) What type of teachers allows learners to apply own mind.
A) Collaborator B) Expert C) Facilitator D) Independent
- d) Communication can be referred as skill of
A) Communication B) Life C) Survival D) Speaking
- e) Which type of barriers are outside the control of sender or receiver?
A) Social barriers B) Physical barriers C) Psychological barriers D) Extraneous barriers
- Q.2 a) Opinion leader is an example of which type of channel of communication.
A) Personal localite B) Personal cosmopolite C) Intra personal D) Inter personal
- b) Communication which influence behaviour of each other is called as
A) Feedback B) Interaction C) Response D) Stimulus
- c) 'Source—Encoder—Signal—Decoder—Receiver', this model was developed by
A) Schramm B) Berlo C) Shannon and Weaver D) Aristotle
- d) The 'Noise' element is the part of which model of communication?
A) Aristotle B) Schramm C) Berlo D) Shannon and weaver
- e) Which type of channel helps an individual to take decision about adoption?
A) Interpersonal B) Intrapersonal C) Mass media D) Public media
- Q.3 a) Which attribute of an innovation is negatively related with rate of adoption?
A) Compatibility B) Complexity C) Observability D) Triability
- b) Which type of research method is considered best for studying consequences of innovation?
A) Survey B) Case study C) Observation D) Inspection
- c) Building a good rapport with the people is a pre requisite for effective
A) Planning B) Extension C) Interactions D) Communication
- d) The smallest territorial group living in a given area is called as
A) Village B) Society C) Community D) Township
- e) Existence of jagirdari/ jamindari system in India was an example of
A) Slavery B) Class C) Caste D) Estate
- Q.4 a) An Opinion leader is an example of which type of group.
A) Primary group B) Informal group C) Reference group D) Secondary group
- b) Who had developed a method of psychotherapy known as Psychoanalysis?
A) Ivan Pavlov B) Sigmund Freud C) Hermann D) Skinner
- c) 'A person comparing his views with others for correctness' is an example of
A) Classical conditioning B) Instrumental conditioning
C) Observational learning D) Social comparison
- d) Which Philosophical assumption indicates that we can alter our personalities?
A) Optimistic assumption B) Pessimistic assumption
C) Proactive assumption D) Reactive assumption
- e) Which quality of person refers to understanding the other person's internal frame of mind?
A) Credibility B) Understandability C) Empathy D) Sympathy

Appendix 2 : Format for Model Question Papers (Final Examination)

Yashwantrao Chavan Maharashtra Open University

M.Sc. Program in Agricultural Extension

Final Examination

AGR: 401: Foundation in Agricultural Extension

Date: -----

Time: 10.30 to 13.30

Maximum Marks: 80

Instruction: Attempt any four sub questions from each question. Each sub-question Carries 5 marks.

- Question 1:
- What is meaning of extension education? Enlist purposes of extension education.
 - List the agricultural extension programs launched after independence and describe any one frontline extension programs.
 - Enlist the principles of adult learning as applicable to extension education.
 - Describe qualities of good communicator in extension education.
 - Enlist and describe various barriers in communication.
- Question 2:
- What is meaning of mass media? Describe various mass media used in agricultural extension.
 - What is diffusion? Explain the process of diffusion of an innovation in agriculture.
 - What is adoption of innovation? Describe stages of adoption of an innovation in agriculture.
 - Explain with diagram the type of adopters of innovation in agriculture.
 - Enlist and describe factors affecting rate of adoption of innovation in agriculture.
- Question 3:
- Enlist consequences of Green Revolution in Indian Agriculture.
 - Differentiate between society and community and explain characteristics of communities.
 - Describe the terms : Social values, Norms, folkways and Mores in society.
 - Differentiate between customs and traditions and describe social role of customs.
 - What is social stratification? Describe caste system in India.
- Question 4:
- What is social change? Describe patterns of social change.
 - Explain impact of Technological change in Indian family and social system.
 - Differentiate between Research Psychology and Applied Psychology. Enlist branches of research psychology.
 - Define perception. Enlist and explain laws of perception.
 - What is learning? Enlist principles of learning.

Appendix 3 : List of Potential Topics for Research in Agricultural Extension

1. Impact of Open Educational Resources (OER) in Agriculture Education.
2. Reusable Learning Object Technology for Extension Education.
3. Impact of Agro-Biotechnological Enterprises on Productivity of Indian Agriculture.
4. Documentation & Dissemination of Agro-biotechnologies in Indian Agriculture.
5. Problems and Prospectus of Genetically Modified Crops in Indian Agriculture.
6. Evaluation of Kisan Call Centers in Indian Agriculture.
7. Role of ICT in addressing issues of climate change in Indian Agriculture.
8. Studies on Agri-clinics & Agri-business Development Program on Self Employment.
9. Studies on Agro-eco-tourism Centers on the Agricultural and Rural Development.
10. Privatization of Agricultural Education in Maharashtra.
11. Privatization of Agricultural Extension System in India.
12. Urban and Peri-urban agriculture production system for nutritional security in India.
13. Digital Agricultural Extension Services: Current limitations and futuristic projections
14. Impact of conservation Agriculture on Sustainability of Major Cropping System.
15. Impact of Mobile Technology for Enhancing Income of Farmers.
16. Constraints in Adoption of Conservation Agriculture Technology among the farmers.
17. Challenges and opportunities for retaining rural youth in India agriculture.
18. Market led extension: Current system of addressing challenges in Indian Agriculture.
19. Effect of Special Economic Zones (SEZs) on Agriculture and Agrarian Society in India.
20. Alternative cropping system for dry land agriculture in view of climate change.
21. Impact of Farmer's Packages in sustaining crop loses and in farming in Maharashtra.
22. Scope, Viability and Sustainability of Agro Tourism in Maharashtra.
23. Impact of Agriculture Technology Schools in creating self employment.
24. Studies on Pattern of Post Graduate Research in Agricultural Extension in Agricultural Universities of Maharashtra.
25. Utility of MIHAN and Agriculture economic zone for employment generation in Vidarbha Region in Maharashtra.
26. Impact of Members of Parliament funded Adaraha Gram Yojana for Social, economical and political growth and Development of Selected villages.
27. Problems and constraints of agricultural extension services in empowering women farmers in India.
28. Relevance and Potential of Mobile based agro advisory services in transfer of technologies in Indian Agriculture.

29. Constrains and Perception in adoption of improved varieties of vegetables of public organizations.
30. Studies on farmer producer organizations as catalyst for change in small farmer agricultural system.
31. Prospectus of Use of Social Media like Face Book, Twitter and Whats App in Transfer of Technology in Agriculture
32. Application of Web based extension education modules for second generation Farmers in India.
33. Investigations for Crop wise yield gap analysis and Socio-economic reasoning in Maharashtra.
34. Evaluation of Programs for Agriculture Development implemented by Department of Agriculture in Maharsashtra.
35. Evaluation of Agri -Entrepreneurship program, its level of success and failure in India.
36. Analysis of Crop Advisory Services and sale of Agri- inputs in Maharashtra.
37. A Critical Analysis of Empowering Women in Agricultural Extension, Issues, Challenges and Future Directions.
38. New Role of Agricultural Extension to face the present challenges for Effective Transfer of Technology with special reference to Climate Change.
39. Study on Perspectives and Prospects of Privatization of Agricultural Extension System in Maharashtra.
40. To Examine the Potential of Conservation of Agricultural Bio-diversity for the Clean Development Mechanism (CDM).
41. Study of Role of Farmers Organizations in Extension Service for Effective Transfer of Technology for higher Agricultural Production.
42. Impact Analysis of Agricultural Extension through Newspapers, Agricultural Journals and TV Channels.
43. To Examine Experiences, Issues and Approaches of Private Extension in India.
44. To Study Privatization of Agricultural Extension System in India: Preferences and Constraints.
45. Role of Non-Governmental Organizations in Effective Agricultural Extension leading to Participatory Agricultural and Rural Development.
46. A Critical Study of Extension Services for Organic Farming in South India.
47. Study of Attitude and Preferences of Extension Personnel and Agricultural Scientists towards Privatization of Agricultural Extension Service.
48. Sustainability of ICT mediated Extension systems, Yield Prediction Models and Data Analytics for Climate Smart Agriculture.
49. Comparative study on impact of ICT mediated Agricultural Extension Systems in India
50. Application of Social Media for Agricultural Extension and Rural Advisory Services in India.
51. Comparative Analysis of Agricultural Extension Models in India.
52. Studies on the factors affecting long term sustainability of ICT mediated Agricultural Extension systems in India.

Appendix 4 : Format for Outline of Research Work (ORW) for Research Proposal

**School of Agricultural Sciences
Yashwantrao Chavan Maharashtra Open University,
Nashik – 422 222 (M.S.) India**

Outline of Research Work (ORW) for M.Sc. in Agricultural Extension

1. Name & Address of Research Fellow _____

2. Permanent Registration No.: _____
3. Program: M.Sc. in Agricultural Extension
4. Title of Research Topic: _____
5. Name & Address of Research Guide: _____
6. Introduction:

_____ (1-2 Pages)
7. Explanation of Problem

_____ (1 Page)
8. Research Objective and Research Hypothesis:
 - 8.1 _____
 - 8.2 _____
 - 8.3 _____
 - 8.4 _____
 - 8.5 _____

(3 objectives for M.Sc. program)
9. Review of Literature:

_____ (2-3 Pages)

Note: Review of literature should include only relevant and recent references of research carried out during last 5 years.

10. Research Methodology:

_____ (1-2 Pages)

Note: Research Methodology includes location of Research Area, Sample Size and its Distribution, Research Methods, Testing of Hypothesis, Importance and Limitations of Studies, Survey Techniques and Procedures, Schedule and Questionnaire of Survey, Format for Collection of Data, use of primary or secondary data, source of data, tools and techniques for data analysis.

11. Time Frame of Research:

_____ (Table & CPM Chart Form)

Note: Prepare your plan of month wise activities of research thesis and fit it in to your time frame. Your six Monthly Progress Report shall be in consistent with your time frame of Research Work.

12. Literature Cited:

_____ (1-2 Pages)

Note: Literature shall be cited by internationally accepted and approved system. (e.g. Review of Literature cited in the Journal of Maharashtra Agricultural Universities.

Name & Signature of
Research Fellow with date

Name & Signature of
Research Guide with date

Important Instruction: The candidate shall prepare ORW in consultation with the Research Guide in Four Copies duly approved and signed by the Research Guide: One for you and Three Copies for the Panel of Expert Evaluators. Approved copies of ORW shall be sent to each Expert Evaluators, 10 days before the date of your presentation.

Appendix 5 : Scale for Evaluation for PGR Student's Presentations

**School of Agricultural Sciences
Yashwantrao Chavan Maharashtra Open University
Nashik - 422 222, M.S., India**

PGR Program: Scale for ORW / SRW / Viva Voce Examination Evaluation

Name of the Research Fellow: _____

Topic of Research: _____

Instruction: Please Encircle one of the five continuum (1,2,3,4,5) against each item. These figures represent a Five-Point Scale, where 1=Poor, 2=Average, 3=Good 4=Very Good and 5=Excellent

1. Preparation (10% Weightage)										
1.1 Format & Layout of the ORW/SRW	1	2	3	4	5					
1.2 Language, Style & Consistency	1	2	3	4	5					
2. Content (40% Weightage)										
2.1 Theoretical Background.....	1	2	3	4	5					
2.2 Organization and Coherence.....	1	2	3	4	5					
2.3 Information (Accuracy, Adequacy, Relevancy).....	1	2	3	4	5					
2.4 Discussion of Different Perspectives	1	2	3	4	5					
2.5 Use of Higher Thought Processes.....	1	2	3	4	5					
2.6 Discussion of Issues, Research Questions, Hypothesis & Implications	1	2	3	4	5					
2.7 Significance, Importance & Limitations of the Topic/Problem.....	1	2	3	4	5					
2.8 Precision of Summary and Conclusions.....	1	2	3	4	5					
3. Presentation (20% Weightage)										
3.1 Planning & Systematic (Time Management in Presentation).....	1	2	3	4	5					
3.2 Use of Different Modalities (Use of LCD/Audio-Video Aids/Handouts).....	1	2	3	4	5					
3.3 Expression & Explanation with examples (Clear, Audible, Fluent)	1	2	3	4	5					
3.4 Use of Summary and Synoptic Conclusion	1	2	3	4	5					
4. Open Defense (20% Weightage)										
4.1 Promptness, Preciseness and Accuracy	1	2	3	4	5					
4.2 Openness to Different Points of Views.....	1	2	3	4	5					
4.3 Openness to one's Own Shortcomings and Humility	1	2	3	4	5					
4.4 Relevancy of Reply and Information.....	1	2	3	4	5					
5. Interactive Personality (10% Weightage)										
5.1 Confidence & Resourcefulness.....	1	2	3	4	5					
5.2 Evidence of High Quality Inputs (Studiosness & Hard work)	1	2	3	4	5					
Total.....		...	+	...	+	...	+	...	+	...=100

Note: Obtaining Minimum 50% Marks is required to Clear the ORW / SRW Viva Voce Examination

General Observation, Instructions, Remarks and Recommendation

Place: Nashik
Date :

Signature & Name of Evaluation Expert

Explanation & Meaning of Technical Terms:

- 1. Format of the ORW/SRW Means:** 1. Introduction, 2. Objectives of Research, 3. Explanation of Problems & Research Hypothesis, 4. Review of Literature, 5. Research Methodology, 6. Time Frame, 7. Literature Cited and 8. Acknowledgement.
- 2. Organization and Coherence Mean:** Meaningful Sequence of the Content.
- 3. Discussion of Different Perspectives Means:** Tackling the Problem with Different Dimensions / Different Views / earlier Work done in the area.
- 4. Use of Higher through Processes Means:** Ability to apply various stages of cognitive domain like knowledge, comprehension, application, analysis, synthesis and evaluation.
- 5. Discussion of Issues / Research Question & Hypothesis / Implications Means:** How different ideas were discussed in the paper and how he can justify the relevance at the study / investigation, while conducting actual research, there may crop up several questions, which are to be answered by the researcher with the help of research findings. These questions are formulated and stated in research proposals. In experimental design & research hypotheses are framed in place of research question. These hypotheses are to be statistically verified with the help of research findings.
- 6. Significance/Importance/Limitations of Topics/Problem Means:** How Universality is shown in the research? What gap this research would fulfill in the field of knowledge and how can it help in devising solution to the problems related to research. What are the Strengths and Weaknesses of the Research?
- 7. Planning and Systematic Presentation Means:** Systematic Planning and Presentation of necessary information & data within the allotted time.
- 8. Expression & Explanation Means:** The presenter has to present with full Confidence. His Competency will depend upon how well he has Planned, Organized and Led the group and finally evaluated the reactions of the audience.
- 9. Use of Summary and Synoptic Conclusion Means:** Ability to Summarize the Content in a Synoptic way.
- 10. Use of Elaborations Means:** Elaboration indicated the Capability of a student for giving relevant examples, Explanation in his own language.
- 11. Humility Means:** After listening the question the student should not be Aggressive/Confused. He should be calm and quiet and answer the question with Full Confidence without any extreme impression about the Experts.
- 12. Resourcefulness Means:** Students should be enriched with relevant information and should try to answer every question raised during the discussion in the house.

Checkpoints for ORW / SRW Presentation:

1. Evidence of an Original Investigation:

- 1.1 Whether the **Aims & Objectives** of Research work has clearly defined
- 1.2 Whether **Explanation of Problem cum Hypothesis** is clearly defined
- 1.3 Whether **Relationship between Current & Previous Research** findings stated with similarities & differences.
- 1.4 Whether the **Nature & Extent of Original Contribution** would be clear & evident.

2. High Level Competence in Research Investigation:

- 2.1 Whether Research Methodology used is **Appropriate, Justified and Properly Described.**
- 2.2 Whether Variables & Parameters **Recognized, Controlled and Measured** properly.
- 2.3 Whether **Valid & Reliable Instrument** (Tools, Techniques, Model, Formula, Schedule and Questionnaire) used for collection of data.
- 2.4 Whether **Null Hypothesis OR Positive Hypothesis** is in Consistent with the Objectives drawn.

3. Critical use of Published Work & Resource Material:

- 3.1 Whether literature referenced is **Absolutely Pertinent to Research Investigation.**
- 3.2 Whether **Due Credit is given to Previous Researcher** for ideas, techniques, scales, formula or model used by you.
- 3.3 Whether **Higher Skill of Mining and Abstracting** of previous literature & data is shown.
- 3.4 Whether research contribution would make **Distinct Contribution to the Present Body of Knowledge** and **to what extent the research work** would open up New Areas for Further Research investigation.

Appendix 6 : Format for Submission of Six Monthly Research Progress Report:

Date: _____

**To,
The Director**

School of Agricultural Sciences
Yashwantrao Chavan Maharashtra Open University
Nashik – 422 222, Maharashtra, INDIA

Sub.: Submission of Six Monthly Research Progress Report for the Period
from _____ to _____

1. Name of student: _____
2. Registration No.: _____
3. Degree Program: _____
4. Title of Thesis: _____
5. Name of Research Guide: _____
6. Six Monthly Progress Report No. : _____
7. Research Progress Report shall be given in Detail:

Place:

Date:

Name & Signature of Student

8. Research Guides Remarks:

Overall Evaluation of Research Progress: Satisfactory / Unsatisfactory

Place:

Date:

Name & Signature of Research Guide

Note: Research Student should write Six Monthly Research progress report and hand over to the Research Guide along with stamped envelope. The Research Guide shall Evaluate the Students Progress with the written Remarks and forward it to The Director, School of Agricultural Sciences, YCMOU, Nashik – 422 222.

Appendix 7 : Format for Synopsis of Research Work (SRW)

Front Page

Title of the Synopsis

***A Synopsis as a Part of Requirements for the
Degree Program of***

**Master of Science
in
Agricultural Extension**

***by*
Name of the Student
Permanent Registration No. :**

**To
The School of Agricultural Sciences
Yashwantrao Chavan Maharashtra Open University
Nashik – 422 222, Maharashtra, INDIA**

2018

Inside pages

01. Name & Address of Student: _____
02. Registration No. : _____
03. Program: **M.Sc. in Agricultural Extension**
04. Title of Thesis : _____
05. Name & Address of Research Guide: _____
06. Abstract of Research: *(in italic)* _____

_____ (20 lines)
07. Introduction : _____
_____ (30 lines)
08. Objectives of Research & Hypothesis:
 - 8.1 _____
 - 8.2 _____
 - 8.3 _____
 - 8.4 _____
 - 8.5 _____ (10 lines)
09. Research Methodology: _____
_____ (30-40 lines)
10. Results & Discussion: _____
_____ (50-60 lines)
11. Summary & Conclusion: _____
_____ (20-30 lines)
12. Literature Cited: _____
_____ (20-30 lines)

Name & Signature of Student

Approved by the Research Guide:

Name & Signature of Research Guide

Appendix 8 : Format for Thesis Writing and Submission:

Front Page

Title of the Thesis

***A Thesis submitted for the partial fulfillment of the requirements for the
Degree of***

**Master of Science
in
Agricultural Extension**

***by*
Name of the Student
Permanent Registration No.**

**To
The School of Agricultural Sciences
Yashwantrao Chavan Maharashtra Open University
Nashik – 422 222, Maharashtra, INDIA**

2018

Insider Pages

Title of the Thesis

***A Thesis submitted for the partial fulfillment of the requirements for the
Degree of***

**Master of Science
In
Agricultural Extension**

***by*
Name of the Student
Permanent Registration No.**

***To*
The School of Agricultural Sciences
Yashwantrao Chavan Maharashtra Open University
Nashik – 422 222, Maharashtra, INDIA**

2018

Title of the thesis

A Thesis submitted to the

**The School of Agricultural Sciences
Yashwantrao Chavan Maharashtra Open University
Nashik – 422 222, Maharashtra, INDIA**

In partial fulfillment of the requirements for the Degree of

Master of Science in Agricultural Extension

by

Name & Signature of the Student

Name & Signature of Research Guide

Director

School of Agricultural Sciences, YCMOU, Nashik

The School of Agricultural Sciences
Yashwantrao Chavan Maharashtra Open University
Nashik – 422 222, Maharashtra, INDIA

1. Title of Thesis: _____
2. Name of the Student: _____
3. Registration No. & Year: _____
4. Name of Research Guide: _____
5. Degree & Discipline: **M.Sc. in Agricultural Extension**
6. Year of Award of Degree: 2018

ABSTRACT *(in italic)*

(up to 30 lines in 3-6 paragraphs)

Signature & Name of Student

Dated:.....

Signature & Name & Research Guide

Candidate's Declaration

I hereby declare that the thesis entitled_____

_____ submitted for the degree of Master of Science in Agricultural Extension to the School of Agricultural Sciences, Yashwantrao Chavan Maharashtra Open University, Nashik - 422 222, Maharashtra, INDIA, has not been previously submitted by me for any degree, diploma or distinction of any other organization in India or abroad.

Place : _____

Signature & Name of the Student

Date : _____

Research Guide's Certificate

This is to certify that the thesis entitled _____

submitted in partial fulfillment of the requirements for the degree of Master of Science in Agricultural Extension to the School of Agricultural Sciences, Yashwantrao Chavan Maharashtra Open University, Nashik - 422 222, Maharashtra, INDIA, is a faithful record of bona-fide research work carried out by Mr./Ms _____ under my guidance and supervision and the data to the best of my knowledge and belief is genuine and original. No part of this research work has been submitted for any other degree, diploma or distinction of any other organization in India or Abroad

It is further certified that the help and assistance received during the course of investigation have been duly acknowledged.

Place : _____

Signature & Name of the Research Guide

Date : _____

Contents

Chapter	Particulars	Number of Pages
1.	INTRODUCTION.....	10-15
2.	REVIEW OF LITERATURE	20-30
	2.1	
	2.2	
	2.3	
	2.4	
	2.5	
3.	RESEARCH METHODOLOGY	20-30
	3.1	
	3.2	
	3.3	
	3.4	
	3.5	
4.	RESULTS AND DISCUSSION	100-150
	4.1	
	4.2	
	4.3	
	4.4	
	4.5	
	4.6	
	“”	
	4.20	
5.	SUMMARY AND CONCLUSIONS	10-15
	5.1	
	5.2	
	5.3	
6.	LITERATURE CITED	10-15
7.	APPENDICES:	10-15
8.	CURRICULUM VITAE :	

Note: 1. The Volume for M.Sc. Thesis should be 150-200 Pages and for Ph.D. Thesis 250-300 Pages inclusive of all 2. Page Number shall be given at central part of the bottom of the Pages.

List of Tables

Table No.	Particulars	Page No.
Table No. 1	XXXXXXXXXX	XXX

List of Figures

Figure No.	Particulars	Page No.
Figure No. 1	XXXXXXXXXX	XXX

List of Plates

Plate No.	Particulars	Page No.
Plate No. 1	XXXXXXXXXX	XXX

Appendix 9 : Format for Thesis Evaluation Report

Instructions: 1. *This is the format of Thesis Evaluation. Thesis Evaluator is required to type Thesis Evaluation Report by using this format.*

2. *All corrections and indications of topographical errors inside the thesis shall be made with ball point pen in Red Ink.*

1. **Title of the Thesis:**
2. **Name & Address of Student:**.....
3. **Registration No.:**.....
4. **Name & Address of Research Guide :**
5. **Degree and Discipline** : M. Sc. in Agricultural Extension
6. **Comments & Suggestions:**
 - 6.1 **Selection of the Topic & Objectives**.....
 - 6.2 **Review of Literature:**.....
 - 6.3 **Research Methodology:**
 - 6.4 **Results and Discussion:**
 - 6.5 **Typographical and Grammatical Errors:**.....
 - 6.6 **General Remarks:**
 - 6.7 **Recommendations:**

*I recommend that the thesis submitted by Mr./Ms.....
be Accepted OR Accepted with Corrections OR accepted with
Modifications OR Rejected for the award of M. Sc. degree in the
Discipline of Agricultural Extension of Yashwantrao Chavan
Maharashtra Open University, Nashik.*

Place:

Date:

Signature & Name of External Referee

Appendix 10 : Format for Thesis Evaluation & Marking Report

The External Examiner shall evaluate the M.Sc. Thesis and shall allot marks to each parameter as below:

**The School of Agricultural Sciences
Yashwantrao Chavan Maharashtra Open University
Nashik – 422 222, Maharashtra, INDIA**

1. Name of the Student: _____
2. Registration No. : _____
3. Name of Research Guide : _____
4. Program: **M.Sc. in Agricultural Extension**
5. Title of the Thesis: _____

<i>Sr. No.</i>	<i>Distribution of Marks</i>	<i>Maximum Marks</i>	<i>Marks Allotted</i>
1.	Selection of Research Topic and its Relevance in Present Context.	20	
2.	Review of Literature, Research Methodology, its Relevance and Appropriateness to Research Area	20	
3.	Results and Discussion and its Effectiveness in Interrelations	30	
4.	Tabulation, Graphs, Photographs and their Presentation and Layout	20	
5.	Overall Appearance, Format, Layout and Binding	10	
	Total	100	

Recommendation:

The Thesis entitled _____ submitted by Mr./Ms. _____ to the School of Agricultural Sciences, YCMOU, Nashik for award of M.Sc. in Agricultural Extension be **Accepted OR Accepted with Corrections & Modifications OR Rejected** for the award of said degree.

Place: _____ Signature, Name & Address of the External Examiner
Date: _____

Note: The Detail Report stating errors, lacunas and discrepancies observed in the Thesis and suggestions thereof are enclosed separately with this report.

Appendix 11 : Format for Evaluation of Student in Viva-Voce Examination

**The School of Agricultural Sciences
Yashwantrao Chavan Maharashtra Open University
Nashik – 422 222, Maharashtra, INDIA**

1. Name of the Student: _____
2. Registration No. : _____
3. Program: **M.Sc. in Agricultural Extension**
4. Title of the Thesis: _____
5. Allotment of Marks: _____ Out of 100

Sr.No.	Distribution of Marks	Max.	Marks Allotted by Experts		
			(1)	(2)	(3)
1.	Selection of Topic and its Relevance to Present Situation	20			
2.	Information about Research Methods, Tools and Techniques	20			
3.	Knowledge about Application Of Research in Real Life Situation	20			
4.	Presentation and Correlation Of Research with Data	20			
5.	General Knowledge and Awareness In the Discipline	20			
Total		100			

INTERNAL REFEREE (1): EXTERNAL REFEREE (2): CHAIRMAN (3)

THE VIVA-VOCE COMMITTEE FOR EVALUATION

Appendix 12 : Format for Students Record Sheet (M.Sc. Program)

The School of Agricultural Sciences
Yashwantrao Chavan Maharashtra Open University
Nashik – 422 222, Maharashtra, INDIA

1. Name and Address of the Student: _____
2. Program: _____
3. Registration No. & Year : _____
4. Title of Thesis: _____
5. Name and Address of Research Guide: _____
6. Year of Completion _____

M.Sc. Students Academic Record Sheet

<i>Academic Requirements</i>	<i>Max. Marks</i>	<i>Marks Obtained</i>			<i>Signature</i>
		<i>Internal Exam out of 20</i>	<i>Final Exam out of 80</i>	<i>Total out of 100</i>	
Component (A) Course Work (CW)	600				
AGR-401: Foundation in Agricultural Extension	100				
AGR-402: Advances in Agricultural Extension	100				
AGR-403: Agricultural Extension Management	100				
AGR-404: ICT in Agricultural Development	100				
AGR-405: Research Methods & Statistical Analysis	100				
AGR-406: Scaling Techniques in Social Sciences	100				
Component (B) Research Work (RW)	200				
AGR-407: Research Thesis in Agricultural Extension	200				
Total:	800				
Average Percentage of Marks:		%			

Securing Minimum 50 out of 100 marks is compulsory to recommend for Award of Degree.

Forwarded with Recommendation to the Controller of Examinations for Award of Master of Science Degree in Agricultural Extension.

PGR Program Co-ordinator
School of Agricultural Sciences

Director
School of Agricultural Sciences

Appendix 13 : Pre-Admission Form for M.Sc. Program



School of Agricultural Sciences
Yashwantrao Chavan Maharashtra Open University
Dnyangangotri, Near Gangapur Dam, Nashik - 422 222

M.Sc. in Agricultural Extension: Pre-Admission Form

To,
The Controller of Examination
Yashwantrao Chavan Maharashtra Open University
Nashik-422 222

Passport
Size Photo

Dear Sir,
I read the Program Prospectus of Post graduate and Research
program in Agricultural Extension of the Yashwantrao Chavan Maharashtra
Open University, Nashik

Instructions for filling Pre-Admission Form:

1. Attach your Qualifying Examination Marksheet and Social Reservation (Caste) Certificate with pre-admission form.
2. Attach your Certificate to claim for Parallel Reservation (if applicable).

1. Name in Full: _____

2. Address for Communication _____

3. Phone/Cell No.: _____ Email: _____

4. Date of Birth : _____

5. Gender: Male Female Transgender

6. Marks Obtained in Qualifying Examination: _____ %

7. Your Social Reservation Category (Tick [✓] after the category).

7.1 Schedule Caste (SC) 7.2 Schedule Tribe (ST) 7.3 Vimukta Jati (VJ-A)
7.4 Nomadic Tribes (NT-B) 7.5 Nomadic Tribes (NT-C) 7.6 Nomadic Tribes (NT-D)
7.7 Special Backward Class (SBC) 7.8 Other Backward Class (OBC) 7.9 (Gen/UR)

8. Are you belong to VJ-NT, OBC, SBC category ? Yes No : If Yes Attach Non Creamy Layer Certificate.

9. Your Parallel Reservation Class

9.1 Women 9.2 Project Affected Person (PAP) 9.3 Physically Handicapped (PH)
9.4 Children of Freedom Fighter (FF) 9.5 Children of Defence Person (DP)

10. Remark: _____

Place : _____

Date : _____

Signature & Name of Candidate