

A Charutar Vidya Mandal's  
**S. M. PATEL COLLEGE OF HOME SCIENCE**  
(An Autonomous Institution Affiliated with Sardar Patel University)  
Vallabh Vidyanagar-388120, Dist. Anand, Gujarat, India

**Post Graduate Programme- Self Finance**

**M. Sc in Resource Management and Design Application**

**(M.Sc. RMDA Two years / Four semester course) Master of Science (Home Science) Resource management and Design Application (M.Sc. RMDA) is a four-semester professional programme in the field of Family Resource Management.**

**Course overview:** The S.M. Patel college of Home Science offers master's programme in Resource Management & Design Application. This master's programme strives at empowerment through knowledge and skills towards management of personal, family, community and shared resources for creation of sensitive, aesthetic and sustainable environment. The programme strives to build a cadre of professionals in the area of sustainable management of resources and new product development. The courses are pitched at providing a strong theoretical base along with skill enhancement through hands-on training. The curriculum provides experiential training to students for professional and career readiness which enables students to participate in real life projects and develop the right skill set needed in a competitive market scenario.

**Programme Specific Objectives:**

- To build a cadre of professionals in the area of sustainable management of resources and new product development.
- To provide a strong theoretical base along with skill enhancement through hands-on training.
- To provide experiential training to students for professional and career readiness which enables students to participate in real life projects and develop the right skill set needed in a competitive market scenario.
- To train students to work in the areas of research, consultancy, programme, design, management and evaluation in various research and social development organizations

**Programme Specific Outcomes:**

- Professional and career readiness through participation in real life projects and develop the right skill set needed in a competitive market scenario.
- Enhanced entrepreneurial spirit through sounder management of facilities, marketing, finance and project management.
- Proficiency in various computer aided softwares along with design simulation thus giving a professional edge.

- Expertise in designing space and products using ergonomic, sustainable, economically and socio-culturally viable solutions with focus on life-cycle assessment approach.
- Proficiency in policies, practices and technologies for sustainable use of resources integrated with various dimensions and frameworks of environment management.

**Duration:**

The M.Sc. RMDA programme shall be of duration of four semesters including Internship for a minimum of 4 weeks and Project/research dissertation. Students shall be permitted to complete the programme requirements of the two-year programme. The semester break should be used for the research and field-based activities.

The minimum attendance of students shall be 80% for theory courses and Practical and 90% for Field Attachment.

**Eligibility Criteria:**

The Current eligibility is as follows:

A candidate who has degree B.Sc. (Hons.) in Home Science / B.Sc. (Pass) in Home Science: after (10+2) from Sardar Patel University or any other University whose Examination is recognized by the University of Sardar Patel as equivalent and fulfill other conditions of eligibility. Should have passed any three subjects in the following areas: Resource Management / Family Finance & Consumer Studies / Housing and Space Design / Ergonomic in Design Development /Interior Design and Decoration/ Entrepreneurship and Enterprise Management / Resources and Sustainable Development / Human Resource Management.

The admission will be given on first cum first basis. In self-finance course 70% of the seats will be filled by Home Science students and 30% from other fields. Final decision will be at the discretion of the management.

**Mode of Instruction:**

Language: English only

**Method of Teaching Theory Papers & practical:**

The mode of instruction for the theory papers is regular face to face interaction and teaching through lectures and interactive participatory modes. Workshops and seminars for the selected points from each theory course will be carried out. The practicum/assignment will be assigned under each theory paper.

The weightage for the internal assessment (internal theory and practical) is 30% i.e. 30 marks for each paper of 100 marks. Out of 30 marks for internal assessment, 20 marks for internal theory and 10 marks for Assignment/Seminar are allotted.

**Research:**

Conducting research in the form of a dissertation or project is a mandatory component of the course. Each student will be assigned a research guide to oversee their research within the specified timeframe. The research course carries a weightage of 8 credits and is evaluated out of 200 marks.

Students who achieve over 70% marks at the end of the second semester will be eligible to undertake a dissertation, while those scoring below that threshold will undertake a project. During the third semester, alongside external viva voce assessments, students enrolled in the M.Sc. RMDA course will receive guidance on research and be allocated a research guide.

### **Standard of Passing Examination & Evaluation Criteria:**

To pass the M.Sc. RMDA. Semester Examination candidate must:

- (a) Obtain at least 40% of marks in each course in the internal assessment as well as at the external examination.
- (b) Obtain at least 40% of marks in dissertation in the internal assessment as well as at the external examination.
- (c) The performance of a student in a course is evaluated based on-
  - (i) Continuous assessment of theory and/or /practical work and
  - (ii) end-semester theory and/or /practical examinations.
- (d) The end- semester theory examination in a course has a weightage of 70 percent of theory marks. The remaining 30 percent of theory marks will be awarded through continuous assessment, internal theory examination carried out during the semester.
- (e) A student who remains absent or fail in any of the internal/ external semester end examinations shall be awarded with zero marks in the respective mid semester examination.
- (f) No student shall be allowed to appear in the end semester examination of a course unless he/she has scored at least 30% marks in mid semester examination and will be Considered in “NOT PERMITTED TO APPEAR (NPTA)” status for the respective course and letter grade “NA” will be awarded Obtaining 40% marks in each paper is must.
- (g) A student obtaining Grade F shall be considered failed and will be required to reappear in the examination.

### **CRITERION FOR AWARDING GRADING SYSTEM CRITERION FOR AWARDING SGPA AND CGPA:**

The criterion for awarding the Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA) for M.Sc. RMDA programme shall be as follows:

- a) The criterion for passing in a subject is that a student should secure minimum 40% marks in individual paper.

b) A student obtaining less than passing marks as specified above, in each subject (sum of internal and End-Term examinations) s/he will be declared fail in that subject and will have to reappear in an End-Term examination of the course in subsequent odd / even semester end term examination, subject to maximum permissible period of 8 semesters to complete the course.

c) The University has adopted Absolute Grading System for converting marks into grades.

d) The formula of 10- point grading system for conversion of marks obtained into Letter Grades and converting Letter Grades to Grade Point is given below:

### **Marks, Letter Grades and Grade Points Marks in Percentage Letter Grade**

#### **Grade Point**

91 – 100	O (Outstanding)	10
81 – 90	A+ (Excellent)	9
71 – 80	A (Very Good)	8
61 – 70	B+ (Good)	7
51 – 60	B(Above-Average)	6
46 – 50	C (Average)	5
40 – 45	P (Pass) *	6
40 - 39	F (Fail)	0

**Note:** Candidates having less than 40% internal marks in each theory paper, practicum and practice teaching will not be permitted to appear in the external theory examination.

**FEES: 20000/- per term**