

## The Annual Quality Assurance Report (AQAR) of the IQAC

All NAAC accredited institutions will submit an annual self-reviewed progress report to NAAC, through its IQAC. The report is to detail the tangible results achieved in key areas, specifically identified by the institutional IQAC at the beginning of the academic year. The AQAR will detail the results of the perspective plan worked out by the IQAC. (Note: The AQAR period would be the Academic Year. For example, July 1, 2012 to June 30, 2013)

### Part – A

#### I. Details of the Institution

1.1 Name of the Institution

MADURAI KAMARAJ UNIVERSITY

1.2 Address Line 1

Palkalai Nagar

Address Line 2

Madurai

City/Town

Madurai

State

Tamil Nadu

Pin Code

625 021

Institution e-mail address

mkuregistrar@rediffmail.com

Contact Nos.

0452-2459455

Name of the Head of the Institution:

**Dr. A. Muthumanickam,  
Registrar**

Tel. No. with STD Code:

0452 - 2459455

Mobile:

09443304298

Name of the IQAC Co-ordinator:

**Dr. K. Pitchumani**

Mobile:

09842192288

IQAC e-mail address:

iqacdir@mkuniversity.org

1.3 **NAAC Track ID** (For ex. MHCOGN 18879) TNUNGN10003

1.4 Website address:

www.mkuniversity.org

Web-link of the AQAR:

www.mkuniversity.org/AQAR201213.do

For ex. <http://www.ladykeanecollege.edu.in/AQAR201213.doc>

1.5 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 <sup>st</sup> Cycle	Four Star	--	09.10.1999	5 yrs
2	2 <sup>nd</sup> Cycle	'A'	89	21.05.2006	5 yrs
3	3 <sup>rd</sup> Cycle	SSR – Submitted to NAAC on 17 <sup>th</sup> October 2013			
4	4 <sup>th</sup> Cycle	--	--	--	--

1.6 Date of Establishment of IQAC : DD/MM/YYYY

21/10/2005

1.7 AQAR for the year

**2012-1013**

1.8 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC ((for example AQAR 2010-11 submitted to NAAC on 12-10-2011)

- i. AQAR 28/10/2005
- ii. AQAR 08.08.2012 (for 2006-2011)
- iii. AQAR 17/12/2012

1.9 Institutional Status

University State  Central  Deemed  Private

Affiliated College Yes  No

Constituent College Yes  No

Autonomous college of UGC Yes  No

Regulatory Agency approved Institution Yes  No

(eg. AICTE, BCI, MCI, PCI, NCI)

Type of Institution Co-education  Men  Women

Urban  Rural  Tribal

Financial Status Grant-in-aid  UGC 2(f)  UGC 12B

Grant-in-aid + Self Financing  Totally Self-financing

1.10 Type of Faculty/Programme

Arts  Science  Commerce  Law  PEI (Phys Edu)

TEI (Edu)  Engineering  Health Science  Management

Others (Specify)

1.11 Name of the Affiliating University (for the Colleges)

Not Applicable

1.12 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc

Autonomy by State/Central Govt. / University	<input type="text"/>		
University with Potential for Excellence	<input type="text" value="√"/>	UGC-CPE	<input type="text"/>
DST Star Scheme (PURSE)	<input type="text" value="√"/>	UGC-CE	<input type="text"/>
UGC-Special Assistance Programme	<input type="text" value="√"/>	DST-FIST	<input type="text" value="√"/>
UGC-Innovative PG programmes	<input type="text" value="√"/>	Any other ( <i>Specify</i> )	<input type="text"/>
UGC-COP Programmes	<input type="text" value="√"/>		

## **2. IQAC Composition and Activities**

2.1 No. of Teachers	<input type="text" value="10"/>
2.2 No. of Administrative/Technical staff	<input type="text" value="3"/>
2.3 No. of students	<input type="text" value="4"/>
2.4 No. of Management representatives	<input type="text" value="1"/>
2.5 No. of Alumni	<input type="text" value="1"/>
2.6 No. of any other stakeholder and community representatives	<input type="text" value="0"/>
2.7 No. of Employers/ Industrialists	<input type="text" value="1"/>
2.8 No. of other External Experts	<input type="text" value="2"/>
2.9 Total No. of members	<input type="text" value="12"/>
2.10 No. of IQAC meetings held	<input type="text" value="3"/>

---

2.11 No. of meetings with various stakeholders: No.  Faculty   
Non-Teaching Staff  Students  Alumni  Others

2.12 Has IQAC received any funding from UGC during the year? Yes  No   
If yes, mention the amount

2.13 Seminars and Conferences (only quality related)

(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

Total Nos.  International  National  State  Institution Level

(ii) Themes

2.14 Significant Activities and contributions made by IQAC

Internal Quality Assurance Cell was actively involved in Preparation of Self Study Report for the Re-accreditation (3<sup>rd</sup> Cycle) and the same is submitted to NAAC, Bangalore on 17.10.2013. Data were collected from various schools which were incorporated to bring out Book 1 and Book 2.

## 2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year \*

Plan of Action	Achievements
Establishment of Smart Classrooms with Video Conference facility	Yes
Establishment of Foreign Language Laboratories	Yes
Establishment of Entrepreneurship-Cum-Skill Development Centre	Yes
Inviting Renowned Professors from Foreign Universities	Yes
Establishment of Curriculum Development Cell	Yes
Establishment of Multimodal material production for Differently abled	Yes
Establishment of Centre for Technical Writing and Academic Writing	Yes
University Business Collaboration Centre	Yes
Establishment of Higher Research and Educational Centre in the name of 'Swami Vivekananda'	Yes

2.15 Whether the AQAR was placed in statutory body      Yes      No

Management       Syndicate       Any other body

Provide the details of the action taken

Steps will be initiated to place AQAR in Statutory bodies in coming year

---

## Part – B

### Criterion – I

#### I. Curricular Aspects

##### 1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	41			
PG	41		5	
UG	2*			
PG Diploma	03			
Advanced Diploma	0			
Diploma	07			
Certificate	06			
Others	00			
<b>Total</b>	98		5	
Interdisciplinary				
Innovative				

\* Integrated 5 year programme

##### 1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options

##### (ii) Pattern of programmes:

Pattern	Number of programmes
Semester	41
Trimester	0
Annual	0

1.3 Feedback from stakeholders\* Alumni  Parents  Employers  Students   
*(On all aspects)*

Mode of feedback : Online  Manual  Co-operating schools (for PEI)

##### 1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

We restructure the curricula based on the guidelines fixed by the UGC for Arts and Science Courses, NCTE for Teacher Education Courses and AICTE for Management and Computer Application Courses at PG level. While framing the syllabi, national and global priorities are taken into consideration. In keeping with this objective the courses are designed in the thrust areas such as Information and Communication Technology, Nanotechnology, Genomics, Disaster Management, E-Commerce, Women Empowerment, Human Rights, Environmental Management etc. The present Vice-Chancellor takes a pioneering efforts to introduce NCC as part of the curriculum, a model being emulated by other universities.

1.5 Any new Department/Centre introduced during the year. If yes, give details.

Yes, Swami Vivekananda Research and Education Centre is introduced by the School of Youth Empowerment.

Virtual learning centre is established as a part of the information centre.

## Criterion – II

### 2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Assistant Professors	Associate Professors	Professors	Others
214	112	36	66	0

2.2 No. of permanent faculty with Ph.D.

167

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
5	44	4	81	Nil	Nil	Nil	26	9	151

2. No. of Guest and Visiting faculty and Temporary faculty

25

10

33

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	210	417	--
Presented papers	191	442	--
Resource Persons	56	166	--

2.6 Innovative processes adopted by the institution in Teaching and Learning:

We adopt the following facilities for teaching:

a) ICT enabled teaching-learning with the following facilities

- Smart Class Room
- Educational Software
- Audio-Video Aids
- Powerpoint presentation
- Computer-Oriented Teaching and Learning

b) E-content and web enabled learning

- Use of modern facilities like internet, LCD projector etc. are utilised



2.7 Total No. of actual teaching days during this academic year 

180
-----

2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)

The following observations made for Examination / Evaluation Reforms are:

- a) Central valuation system is adopted to avoid delay
- b) All practical examinations are conducted before the end semester exams
- c) Transparency is practiced after the evaluation of answer papers in which students are given answer scripts for perusal and subsequent claim for revaluation
- d) Multiple Choice question are given for 15% of Marks obtained
- e) The continuous assessment of performance of the students has made the task of the students relatively easy
- f) Results are published within 30 days after the examinations
- g) After the final semester examinations, supplementary exams are conducted in July every year to facilitate students to go for higher studies or jobs
- h) Results are also published in University website
- i) Final year consolidated mark statements and degree certificates are issued with photo identity and Tatkal system is introduced to obtain the degree certificates on the same day.

2.9 No. of faculty members involved in curriculum restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop 

124	124
-----	-----

UG – 21, PG-28 Cert./Dipl.- 38
-----------------------------------

2.10 Average percentage of attendance of students 

90
----

2.11 Course/Programme wise distribution of pass percentage :

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
M.Sc., Geo.	14		14	0		100
M.Sc., Communication & Journalism	04		04	0		100
M.Sc., e.media Communication	03		03	0		100
M.A., Kannada	06		06	0		100
M.A., Linguistics	04		04	0		100
M.A., Malayalam, Language and Literature	01		01	0		100
M.A., Sanskrit	02		02	0		100
M.A., Sociology	06		04	0		67
M.Com.,	12		06	06		100
M.A., Economics	21		04	05		43
M.Sc., Mathematical Economics	19		05	05		53
M.A., French	08		08	00		100
M.A., History	29		28	01		100
M.A., Tamil	26		26	00		100
M.A., Folklore	01		01	00		100
M.A., Political Science	05		05	00		100
M.A., English	19		05	14		100
M.B.A.,	69		46	14		87
M.Sc, Genomics	16		15	00		94
M.Sc., Biotechnology	06		05	00		83
M.Sc., Chemistry	20		17	00		85
M.C.A.,	62		58	00		94
M.Sc., Computer Science	15		15	00		100
M.Sc., Environmental Sciences	07		07	00		100
M.Sc., Sub. Aqua Marine	09		08	00		89
M.Sc., Physics	19		14	01		79
M.Sc., Electronics and Instrumentation	12		08	02		83
M.Ed.,	32		28	03		97
M.Sc., ERS & GIT	08		07	01		100
M.Sc., Mathematics	18		10	01		61
M.L.I.Sc.,	15		14	00		93
M.P.Ed.,	26		26	00		100
M.Sc., Computational Biology	05		05	00		100
M.A., English Language Studies	09		03	06		100

## 2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes :

Though the School Council is empowered with curriculum development and examination, the CBCS Coordinator plans the entire schedule with the help of the academic calendar. Teaching days are fixed taking into account the mandatory number of working days (90 days per semester), core credits and elective credits. The IQAC analyzes the students' feedback on the courses, send back the reports to the stake holders and thus facilitates Quality assurance and setting benchmarks for excellence.

## 2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	412
UGC – Faculty Improvement Programme	Nil
HRD programmes	Nil
Orientation programmes	101
Faculty exchange programme	5
Staff training conducted by the university	2
Staff training conducted by other institutions	0
Summer / Winter schools, Workshops, etc.	13
Others	47

## 2.14 Details of Administrative and Technical staff :

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	456	395	1	272
Technical Staff	65	58	0	0

## Criterion – III

### 3. Research, Consultancy and Extension

#### 3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

Collaborative and inter-disciplinary innovative programmes such as Genomics (UGC-CEGS), Nano-technology, Functional and Organismal Genomics (UGC-CAS), Neurobiology, Diagnostics and Therapeutics (DBT-IPLS), Drug Discovery, Molecular Therapeutics, Metagenomics (DBT), Computational Genomics, Systems Biology, Phyto-Chemistry, Synthetic Chemistry, Marine Sciences, Energy Sciences, Remote Sensing, Material Science, Applied Mathematics, Applied Statistics, Environmental Toxicogenomics, Green Energy, Non-conventional energy, Entrepreneurship studies, Hospital and Hotel Management, Women studies, Film Technology, Human Resource and Youth Empowerment, Peace Research, Inter religious Relations, Manuscriptology, Literary Criticism, etc., were established. Many of the above listed areas are inter-disciplinary and are established by combining the experts from different departments in the University.

In addition, 20 Workshops/Conferences on various subjects were organized during 2012 - 2013.

#### 3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	43	126	169	--
Outlay in Rs. Lakhs	--	--	3527.71 Lakhs	--

#### 3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	7	17	24	--
Outlay in Rs. Lakhs	--	--	53.27 Lakhs	--

---

3.4 Details on research publications

	International	National	Others
Peer Review Journals	53	183	--
Non-Peer Review Journals	--	--	--
e-Journals	--	--	--
Conference proceedings	--	--	--

3.5 Details on Impact factor of publications:

Range  Average  h-index  Nos. in SCOPUS

3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

Nature of the Project	Duration Year	Name of the funding Agency	Total grant Sanctioned in Lakhs	Received in Lakhs
Major projects	2012 - 2013	DBT, CSIR, ICMR, DAE, BRNS, ICAR, ICSSR, IGNCA, DST, MoEF, ISRO-SAC and NBHM	3527.71	3527.71
Minor Projects (20)	2012 - 2013	UGC, ICBR, CSIR, CICT and TNSCST	53.27	53.27
Total			3580.98	3580.98

3.7. No. of books published

i) With ISBN No.

ii) Without ISBN No.

iii) Chapters in Edited Books

3.8 No. of University Departments receiving funds from

UGC-SAP

CAS

DST-FIST

DPE

DBT Scheme/funds

3.9 For colleges

Autonomy

CPE

DBT Star Scheme

INSPIRE

CE

Any Other (specify)

3.10 Revenue generated through consultancy

3.11 No. of conferences organized by the Institution

Total – 86 (International / National / State / University Levels)

3.12 No. of faculty served as experts, chairpersons or resource persons

3.13 No. of collaborations : International  National  Any other

3.14 No. of linkages created during this year :

3.15 Total budget for research for current year: 2,02,28,000.00

From Funding agency  From Management of University/College

Total

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	6
	Granted	0
International	Applied	0
	Granted	0
Commercialised	Applied	0
	Granted	0

3.17 No. of research awards/ recognitions received by faculty and research fellows of the institute in the year

International / National / State / University / District
Total - 35

3.18 No. of faculty from the Institution who are Ph.D., Guides

and students registered under them

3.19 No. of Ph.D. awarded by faculty from the Institution

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF  SRF  Project Fellows  Any other

3.21 No. of students Participated in NSS events:

University level  State level   
National level  International level

3.22 No. of students participated in NCC events:

University level	Nil	State level	Nil
National level	Nil	International level	Nil

3.23 No. of Awards won in NSS:

University level	15	State level	Nil
National level	Nil	International level	Nil

3.24 No. of Awards won in NCC:

University level	Nil	State level	Nil
National level	Nil	International level	Nil

3.25 No. of Extension activities organized

University forum	36	College forum	--
NCC	--	NSS	--
		Any other	--

3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

A sense of belonging to the institution, intellectual honesty, commitment to teaching, social bonding and national duties are some of the important Institutional Social responsibilities that are inculcated in the teachers. The University not only urges the importance of disseminating knowledge but also places emphasis on the global priorities like societal duties and eco-consciousness.

- The Faculty of most of the Science Schools deliver lectures in DST - INSPIRE Programmes which are aimed at sensitizing the senior school students on the values and scope of science.
- The School of Biotechnology had interaction with the Government Primary School in the University campus.
- School of Youth Empowerment and School of Social Sciences had interaction with the Kannanur village (Madurai district) adopted by the University and Mettamalai (Virudhunagar district) adopted by the Madurai Kamaraj University College, Sattur.
- The Faculty of Arts and Humanities imbibe social responsibility among the students along with the course lessons imparted. Lessons on life, ecofriendliness and humanism go hand-in-hand during lecture classes.

Outreach programmes are conducted by the NSS under its Special Camping Programme, with focus on

1. Environment including preservation of natural resources and conservation of cultural / public historical heritage
2. Health, public sanitation and personal hygiene
3. Rural Development including project identification programme formulation implementation and evaluation
4. Education and literacy including Legal Awareness
5. Emergency Interventions including Trauma care

Total number of special camping : 224  
 Total number of participants : 11200

*Blood Donation:*

No. of Units of blood donation : 5000  
 No. of Saplings planted : 5500

## Criterion – IV

### 4. Infrastructure and Learning Resources

#### 4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	528 acres	--	--	528 acres
Class rooms	298.10 M <sup>2</sup>	--	--	3207.56 Sq. ft
Laboratories	776.39 M <sup>2</sup>	--	--	8354.00 Sq. ft
Seminar Halls	426.15 M <sup>2</sup>	--	--	4586.00 Sq. ft
No. of important equipments purchased (≥ 1-0 lakh) during the current year.	--	54,06,431 4,50,00,000 (UPE)	MH.131-052 MH.131-054 MH.101-236 MH.101-952 XI Plan Fund UPE	
Value of the equipment purchased during the year (Rs. Less than 1 Lakhs)	--	1,97,671	MH.101-236 MH.101-952 XI Plan Fund	
Others		--		1384.82 Sq.ft

#### 4.2 Computerization of administration and library

All the administrative activities are computerized and in the main Central library (Dr. T.P.M. Library) functions and services are computerized and automated.



4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	279527	--	525	5,36,210	280052	--
Reference Books	16395	--	105	95,000	16500	--
e-Books	3016	--		--	--	--
Journals	107	--	70	4,29,835	107	--
e-Journals	--	--		--	--	--
Digital Database	--	--	27 through Info Net	--	--	--
CD & Video	521	--	93 For Visually Challenged	--	614	--
Others (specify)	--	--	Braille Books 113	--	--	--

4.4 Technology upgradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Depart- ments	Others
Existing	572	20	Yes	2	1	--	72	--
Added	150	5	Wi-Fi	1	--	--	5	--
Total	722	25	Yes	3	1	--	77	--

4.5 Computer, Internet access, training to teachers and students and any other programme for technology upgradation (Networking, e-Governance etc.)

All the administrative sections use computers; Access to internet is available both in academic and administrative divisions. Web Centre is created to look after the functions of the University Websites.

4.6 Amount spent on maintenance in lakhs :

i) ICT

Rs. 5,00,000.00

ii) Campus Infrastructure and facilities

Rs.60,67,678.00

iii) Equipments

Rs. 20,00,000.00

iv) Others

Rs. 2,00,000.00

**Total :**

Rs. 87,67,678.00

## Criterion – V

### 5. Student Support and Progression

#### 5.1 Contribution of IQAC in enhancing awareness about Student Support Services

International Educational Cell, Placement Cell, Curriculum Development Cell, Advisory/Monitoring Cell, Career Counselling Cell, Grievance Redressal Cell, Anna Centenary Civil Services Coaching Academy and Virtual Learning Centre were established to support student progression. Their activities are monitored periodically by IQAC.

#### 5.2 Efforts made by the institution for tracking the progression

Academic audit has been conducted; the presentations on the progress that is achieved by each School were delivered by the Chairpersons to the committee constituted by the Vice – Chancellor.

#### 5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
--	1708	791	--

MEN	Number	Percentage	WOMEN	Number	Percentage
	952	56		766	44

(b) No. of students outside the state

202

(c) No. of international students

Nil

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
568	408	2	601	0	1579	553	259	1	701	0	1514

Demand ratio 1:4

Dropout %

#### 5.4 Details of student support mechanism for coaching for competitive examinations (If any)

Coaching classes are conducted to SC/ST, OBC (Non-creamy Layer) and Minority Candidates to prepare for UGC – NET and SET for Lectureship. The UGC has already sanctioned fund to this scheme for continuously organizing the coaching classes in the University. The Programme is organized twice an year. Coaching classes are conducted for students to appear for various competitive exams including IAS/IPS./IFS etc.

No. of students beneficiaries

69

### 5.5 No. of students qualified in these examinations

NET  SET/SLET  GATE  CAT   
 IAS/IPS etc  State PSC  UPSC  Others

### 5.6 Details of student counselling and career guidance

UGC- supported Career Guidance Cell organizes periodically workshops to prepare the students for job fairs. Each School offer guidance to cater to the needs of the students. Financially supported by the Government of Tamil Nadu, the Entrepreneurship cell conducts workshops/ seminars to develop entrepreneurial skills.

No. of students benefitted

### 5.7 Details of campus placement

<i>On campus</i>			<i>Off Campus</i>
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
31	915	150	Nil

### 5.8 Details of gender sensitization programmes

Women Studies Centre celebrate the International Women's day on 8<sup>th</sup> March 2013

### 5.9 Students Activities

#### 5.9.1 No. of students participated in Sports, Games and other events

State/ University level  National level  International level

#### No. of students participated in cultural events

State/ University level  National level  International level

#### 5.9.2 No. of medals /awards won by students in Sports, Games and other events

Sports : State/ University level  National level  International level

Cultural: State/ University level  National level  International level

### 5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	87	1,88,076.00
Financial support from government (MKU regular students – 553, DDE – 805)	1358	22,96,332.00
Financial support from other sources (UPE)	500	2,46,409.00
Number of students who received International / National recognitions	--	--

### 5.11 Student organised / initiatives

Fairs : State/ University level  National level  International level

Exhibition: State/ University level  National level  International level

5.12 No. of social initiatives undertaken by the students

### 5.13 Major grievances of students (if any) redressed:

Every month third Wednesday we conducted the grievance meet in our campus, All the officers of the University have participated in this meet and most of the grievance received from the students are solved on the same day or within a week.



## Criterion – VI

### **6. Governance, Leadership and Management**

#### 6.1 State the Vision and Mission of the institution

**Vision:** To achieve excellence in Higher Education, with relevance comparable to National Standard and Global Competence.

**Mission:** To empower teachers, students and society through value, skill and technology oriented teaching, learning, research and extension activities; enhance their creative, innovative and employable abilities in the context of the evolving knowledge society and economy, influenced by global challenges and changes and promote holistic and inclusive growth.

#### 6.2 Does the Institution has a management Information System

The University promotes a culture of participative management by involving faculty in various academic, research and administrative committees. Among the important Committees are Syndicate Sub Committees, Appointment Committee, Autonomy Review Committees, Campus Development Committee, Discipline Committee, Research and Development Committee, Exam Reforms Committee, Internal Quality Assurance Cell, CBCS Committee and Grievance Redressal Cell. Faculty members at all levels are given due representation in various committees thus constituted.

The faith of Madurai Kamaraj University in democracy at its cross roots level is evidenced from adequate representations given to teachers representing all hues. Representation is given to teachers and students to promote participatory management as evidenced from membership in various committees. This has established the fact that the University has firm faith in the bottom-up approach.

The University has evolved a knowledge management strategy to maximize its competency to perform effectively and efficiently towards higher productivity. KMS deals with realization of organizational objectives such as improved performance, competitive advantage, innovation, sharing of lessons learned, integration and continuous improvement of the organization, knowledge generation, knowledge product, knowledge transfer and knowledge users are the key elements in knowledge management. The Internal Quality Assurance Cell is the primary agency which takes care of quality and productivity components.

6.3 Quality improvement strategies adopted by the institution for each of the following:

#### 6.3.1 Curriculum Development

**Curriculum Development:** The University has adopted a systematic process in designing and updating the curriculum keeping in view the national and societal needs. Inculcation of interpretative skills and social responsibilities are the twin goals of the curriculum. In its relentless march towards the attainment of these twin goals, the university has come a long way in ensuring Employability, Innovation and Research Potential. A formal mechanism has been evolved to obtain feedback from the students. Based on the requirement, the curriculum is enriched. The University established a world class *Curriculum Development Cell* with financial assistance from the State government and has initiated steps for sharing trans-border scholarship in identified disciplines.

#### 6.3.2 Teaching and Learning

The Madurai Kamaraj University has come forward to offer 41 Post Graduate, 35 M.Phil. courses and 17 diploma/ P.G. diploma/ certificate courses duly approved by statutory bodies. All the courses in the University follow *Choice Based Credit System* (CBCS) and there is an inbuilt provision for lateral and vertical mobility. Each School is equipped with smart class rooms and seminar halls. Computers are also available with internet facility.

#### 6.3.3 Examination and Evaluation

**Examination and Evaluation:** The University follows uniform pattern of examinations under CBCS. The following student friendly reforms are introduced in the examination system:

- a) Central valuation system is adopted to avoid delay;
  - b) All practical examinations are conducted before the end semester exams;
  - c) Transparency is practiced after the evaluation of answer papers in which students are given answer scripts for perusal and subsequent claim for revaluation;
  - d) The continuous assessment of performance of the students has made the task of the students relatively easy;
  - e) Results are published within 30 days after the examinations;
  - f) After the final semester examinations, supplementary exams are conducted in July every year to facilitate students to go for higher studies or jobs;
  - g) Results are also published in University website;
  - h) Final year consolidated mark statements and degree certificates are issued with photo identity;
  - i) Tatkal system is introduced to obtain the degree certificates on the same day;
  - j) Ph.D. evaluation is reformed based on the UGC regulations (September 2009). The process can be followed through university website
-

#### 6.3.4 Research and Development

12 out of 20 Schools are being supported with the UGC-SAP programme at various phase levels of CAS, DSA, DRS. In addition, all the (eight) Science Schools are being supported by the DST-PURSE programme with Rs. 3 crores per year for 3 years; the 2<sup>nd</sup> year is completed by 2012-2013. In addition, eight Science Schools are being supported with DST-FIST programme. Currently more than 160 individual research projects are being carried out with an outlay exceeding Rs. 34 crores. Collaborative research is also established with reputed national and international institutions.

#### 6.3.5 Library, ICT and physical infrastructure / instrumentation

**Library, ICT and Physical Infrastructure/Instrumentation:** A highly modernized central Library equipped with three hundred thousand books, nine thousand e-journals, three thousand e-books, 55,000 reference and text books, 1Gbps internet connection and *INFONET Centre* with 50 nodes is available. Each School is equipped with Smart Class Rooms, Library, Seminar halls. Internet facility enables the students to download the most recent papers and reviews which are highly useful for their studies.

A University Science and Instrumentation Centre is also available. Five boys' hostels and three girl's hostels accommodate nearly 1200 students. The housing requirements of the faculty members and administrative staff are adequately met as 162 families reside on campus. The University has two Guest Houses. A 15 bedded Health Centre with round the clock service is functioning in the precincts of the campus. Playfields housing an Indoor Stadium and Gymnasium caters to the students requirements.

#### 6.3.6 Human Resource Management

Efforts are taken to enhance the number of faculties in the emerging, multidisciplinary teaching/ research area, to hone the skills of administrative staff; planning to increase the number of job oriented and entrepreneurship programmes.

#### 6.3.7 Faculty and Staff recruitment

A total of 10 Assistant Professors are appointed during the period 2012-2013; applications are under scrutiny to appoint 68 non-teaching staff.

### 6.3.8 Industry Interaction / Collaboration

Industrial Consultancy Cell defines the regulations of the individual consultancy work, case by case. In all the cases 30 % of the charges are collected as overhead charges by the University. The remaining 70 % of the charges are used for the experimental and other expenses related to the consultancy work.

#### Important consultancies undertaken

- Tissue Matching for Kidney Transplantation
- Solar Cell Testing
- Consultancy on Social issues

The University-Industry cell takes care of all the University Industry collaborations and consultancy.

### 6.3.9 Admission of Students

Applications for admissions to P.G. and M.Phil.courses are invited through advertisements in leading national newspapers as well as in the university website. Selection is made through Entrance Test/Qualifying Marks/Interview/Group Discussion. Admission process in the University Departments is monitored by the Admission Monitoring Committee constituted by the University.

A total of 707 students are admitted for the PG courses and 337 students for M.Phil courses for the year 2012-2013.

### 6.4 Welfare schemes for

Teaching	MKU - Academic Staff College periodically conducts Orientation Programme and Refresher Courses for the MKU faculty members and Affiliated College faculty members
Non teaching	MKU – Administrative Staff College offers training programmes and special coaching programmes for the Non-Teaching Staffs.
Students	Earn While you Learn programme is done by the UGC-UPE Scheme; Placement Cell takes care of the Job Opportunities; Spoken English classes are being conducted to the Students; UGC NET/SET Coaching Classes are being conducted to the SC/ST Students; IAS/IPS Coaching Classes are being conducted to the Students.

### 6.5 Total corpus fund generated

Rs.221 Crores

### 6.6 Whether annual financial audit has been done

Yes

No



6.7 Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	AG Audit	Yes	LF Audit
Administrative	Yes	AG Audit	Yes	LF Audit

6.8 Does the University/ Autonomous College declares results within 30 days?

For UG Programmes      Yes  No

For PG Programmes      Yes  No

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

Central valuation system is adopted to avoid delay, all practical examinations are conducted before the end semester exams, transparency is practiced after the evaluation of answer papers in which students are given answer scripts for perusal and subsequent claim for revaluation, after the end-semester examinations, supplementary exams are conducted in July every year to facilitate students to go for higher studies or jobs.

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

The University encourages autonomous status to its affiliated institutions. As and when an institution meets the criteria as laid down by UGC, it applies for autonomous status to the University Grants Commission through the University. Out of 33 aided and government colleges, 25 Colleges have obtained the status of autonomy. Two Colleges are given the autonomous status during the year 2012-2013.

6.11 Activities and support from the Alumni Association

Alumni meetings were conducted both at the various school and also at the University levels. They extend their support in organizing seminars and conferences. They also provide support in facilitating placement activities.

6.12 Activities and support from the Parent – Teacher Association

Parent-Teacher meetings are conducted regularly as various schools. Their inputs are helpful in streamlining various student welfare activities.

### 6.13 Development programmes for support staff

The University provides festival advance, marriage loan, housing loan, etc. to the staff. Rs. 41,48,000.00 is disbursed to the support staff towards such programmes for the year 2012-2013.

Besides providing general provident fund university, University is also giving festival advance, marriage loan and health insurance. A separate staff quota is maintained to provide admission to the wards of the employees in various courses. A Thrift society, Public School and 24 Hrs Multi Speciality Health Centre are other welfare measures.

### 6.14 Initiatives taken by the institution to make the campus eco-friendly

The following are the eco-friendly initiatives taken by the University towards a Green and Sustainable Campus.

#### **I. Energy conservation:**

To conserve energy,

- i) All the incandescent bulbs are changed to low watt compact fluorescent lamps
- ii) All the mercury and sodium vapor (250 & 125w) street lights are changed to Light Emitting Diodes sets.
- iii) All the regular 40w fluorescent tube lights with Copper and Aluminium chokes are replaced to 32w slim tubes with electronic ballasts.
- iv) The faculty members, administrative staff and students are sensitized to use electric power judiciously.

#### **II. Use of renewable energy:**

##### **Solar Power Project:**

To harvest the solar energy, Madurai Kamaraj University initiated 100kw solar power plant under “Green Campus” program. This is a grid connected rooftop solar photovoltaic power plant to partially fulfill the increasing need of electric power in the campus.

#### **III. Water harvesting:**

Rain water harvesting systems are in operation in almost all buildings of the University.

#### **IV. Waste Water Management DEWATS Methodology:**

- i) About 2 Lakhs liters of water being used in the University campus daily and large amount can be recycled.
- ii) Recycling of waste water by DEWATS method is in progress.
- iii) The DEWATS recycled water will be used for gardening.
- iv) Construction of artificial ponds is in progress to recharge the ground water.

## Criterion – VII

### 7. Innovations and Best Practices

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

- \* Green Campus Activities (with main emphasis on Solar power production)
- \* Energy audit was conducted

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year

The following centres have been established during this period such as

- Establishment of Smart Classrooms with Video Conference facility
- Establishment of Foreign Language Laboratories
- Establishment of Entrepreneurship – Cum - Skill Development Centre – established as a Separate Centre
- Inviting Renowned Professors from Foreign Universities – Steps initiated to invite more Renowned Professors from Foreign Universities
- Establishment of Curriculum Development Cell as a Separate Centre
- Establishment of Multimodal material production for Differently abled in Dr. T.P.M Library (Main Library)
- Establishment of Centre for Technical Writing and Academic Writing,
- University Business Collaboration Centre – established as a Separate Centre
- Establishment of Higher Research and Educational Centre in the name of ‘Swami Vivekananda’ at School of Youth Empowerment

7.3 Give two Best Practices of the institution (*please see the format in the NAAC Self-study Manuals*)

- i) Collaborations with other institutes in India and abroad for strengthening research
- ii) Autonomy (academic, administration and financial) to the Schools in the University

#### 7.4 Contribution to environmental awareness / protection

Yes. The University has a policy to ensure Green and Clean Campus for which it conducts Green Audit of the campus from time to time. The Energy audit was done in 2012. To further enrich the Green Campus Programme of the University, a proposal submitted to the Government of Tamil Nadu has been approved with financial support to the tune of 2.90 crores. In this connection an MoU has been signed with Auroville Foundation Ltd, Pondicherry.

##### **Plantation:**

- i) The University maintains an eco-friendly green campus.
- ii) The campus environment is pollution-free.
- iii) Every year new saplings are planted.
- iv) Madurai Kamaraj University maintains a unique Botanical garden with rare species.
- v) In the premises of University library, a small herbal garden is established to popularize traditional medicinal plants.

##### **Hazardous Waste Management**

Chemical and biological hazardous wastes (both liquid and solid) are disposed properly with necessary precautions. Deploying an incinerator to destroy biomedical waste is in progress.

7.5 Whether environmental audit was conducted?    Yes     No

7.6 Any other relevant information the institution wishes to add. (for example SWOT Analysis)

University registered potential growth in Teaching, Research and Extension.

A very effective Distance Education Programmes now offers more than 100 new courses in this academic year itself

A Central Instrumentation Centre was constructed at a cost of Rs. 4 crores to house all common instruments, costing more than 9 crores

8. Plans of institution for next year

- i) Striving hard towards attaining the status of University with Excellence
- ii) Green Campus activities to be extended to the entire campus.
- iii) Solid waste Management measures.
- iv) Effective measures for managing the water resources



---

*Signature of the Coordinator, IQAC*

*Name Dr.K. Pitchumani*

**Director**  
**Internal Quality Assurance Cell**  
**Madurai Kamaraj University**  
**Madurai - 625 021**



---

*Signature of the Chairperson, IQAC*

*Name Dr. Kalyani Mathivanan*

**Vice-Chancellor**  
**Madurai Kamaraj University**  
**Madurai - 625 021**

---

\*\*\*

---