SELF STUDY REPORT

FOR

4th CYCLE OF ACCREDITATION

MADURAI KAMARAJ UNIVERSITY

MADURAI KAMARAJ UNIVERSITY, PALKALAI NAGAR
625021
http://mkuniversity.ac.in

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

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1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

Started as a Post Graduate Extension Centre of the University of Madras and elevated to the status of State University in the year 1965, Madurai University renamed as Madurai Kamaraj University in the year 1979 has recorded a phenomenal growth over the years. It has carved a niche for itself through its contribution in teaching, research and outreach programmes with 106 Colleges affiliated to it, the University has become a pioneer in designing need based academic programs and is largely responsible for the growth and development of Southern districts of Tamil Nadu, through its catalytic role in empowering people. Madurai Kamaraj University was accredited with four star status in 1999 and was re-accredited with 'A' grade in subsequent cycles of re-accreditation in 2006 and 2014. The University was rightly rewarded with the status of University with Potential for Excellence (UPE) in 2005. The strong research culture of MKU was recognized through the award of grant under Promotion of University Research & Scientific Excellence (PURSE) programme in 2012. Ranked as 77th in the University Category under NIRF ranking in 2017, the University improved its ranking to 54 in the subsequent year, and with 2019 NIRF ranking it entered into the league of top 50 Universities of India with the ranking of 45 among Indian Universities. The University secured IInd rank in 2017 among HEIs in SWACHHTA ranking process. The University entered into QS India ranking in the rank band 86-90 among Indian Universities and 351-400 band among QS Asia ranking. The University has got the recognition award from Springer Nature and ACS for the highest download among the State Universities in Tamil Nadu. Apart from this Madurai Kamaraj University has got best award for NSS and YRC for extension activities and blood donation, respectively.

Vision

Madurai Kamaraj University was founded on a commitment to build Intellectual, Sustainable and Socially Responsible young minds for the Nation through Excellence in Higher Education with relevance to Global Standards and Competence.

Madurai Kamaraj University has been providing Cutting edge Research environment through state of the art facilities to nurture students with advanced minds and to improve the human conditioning of the society. Madurai Kamaraj University has facilitated with community empowerment through addressing its societal problems and providing the solution through establishing Social Transformation Centre, Heritage Consortium and collaboration with Government of Tamil Nadu & Co-operative Society.

Mission

The University is to create, disseminate and inculcate the knowledge in the domains of Higher Education. Being a reputed University of Academic Excellence, the University is striving to:

- Provide the quality learning and teaching environment for the well-being of students and to deliver entrepreneurial skills for young minds.
- Promote Academic Freedom, Transparency and Accountability to all the Stakeholders for a holistic growth and development of the Institution.

- Prosper an intellectual culture that drives discipline and ideas to foster reputation for a Dynamic, Diverse, Equitable and Global University.
- Provide innovative solutions, process and products for social prosperity and promotion.

Core Values of the University

Seeking Truth is Knowledge

The vibrant campus echoes the motto 'to seek truth is knowledge'. It is imbibed in the conduct of Authorities, the Faculty, the Administrative Staff and the Students. The academic and outreach programs of the University are designed and practiced to lay emphasis on the process rather than the product - training the students to 'Seek the Truth' rather than convincing them to 'believe it'.

Towards Excellence

Sincere and intense efforts have made MKU as the most preferred institution for young men and women aspiring for productive careers. The goal is to develop them as young entrepreneurs and future professionals of National standards and global competence to achieve excellence in Higher Education.

Towards Empowerment

The University is conscious of its societal responsibilities and is committed to the empowerment of rural students through skill and technology-oriented teaching and research to enhance their creative, innovative and employable abilities to promote holistic growth.

Building the bridge of equality

In the spirit of 'just pedagogy', we exercise equality at all levels, providing the experience of ideal egalitarian society. The administration and teaching fraternity has stood for the marginalized to make the campus, free from all kind of discriminations.

Grooming compassionate beings

The University grooms students who have come into its fold in a way that they adapt themselves in a better way to face the world of challenges in a more confident and compassionate way in their personal and professional life as well.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

- Supporting Management & excellent governance system.
- Highly qualified, experienced dedicated faculty.
- Strong focus on Excellence in Education, Research and Promotion of Innovation and Entrepreneurship.
- Support from National Agencies - UPE, DST-PURSE, UGC-SAP, UGC- STRIDE, DST-FIST, DBT,

ICMR, CSIR and MoEF.

- State-of-art infrastructure for teaching, learning & research.
- Student-centric teaching methodologies and society- centric outreach activities.
- Integration of ICT in teaching, learning & governance.
- Excellent student support system, academic ambience and class room climate.
- High ranking in NIRF, QS & SWACHHTA.
- Collaborating with Organisations/ Institutions
- Endowments (196 nos) fostering global competencies.
- Strong Support from Alumni

Institutional Weakness

- Aggregation of research findings for societal application.
- Lower entrepreneurial development.

Institutional Opportunity

- Improve the quality of research by providing interactions with more number of Industries and R & D organizations
- Madurai Kamaraj University has more linkages with foreign Universities which provides the International network for knowledge transfer either way, involving scholars, students and teachers for mutual growth
- Attempt for Excellence further with International assessment
- Increasing positive Peer Perception in NIRF
- More training programme for non-teaching staff to improve their digital literacy

Institutional Challenge

- Student progression for Higher Studies and Employment.
- Ensuring financial viability of the University for Future Initiatives.
- Keeping pace with the challenges of Globalisation, Liberalisation & Privatisation

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

Madurai Kamaraj University has an unflinching committement to the rural populace and has fashioned its curriculum in an innovative way, architectured by appropriately amalgamating the various dimensions of education aiming towards value based and well developed society through its 20 schools, 77 departments and 4 centers. The University offers 44 PG programmes and 39 M.Phil programmes in an array of disciplines ranging from Arts, Humanities and Sciences. The University also offers 5 PG Diploma, 4 Diploma and _5 Certificate courses. The University follows the Choice Based Credit System (CBCS) from the academic year 2000-2001. Keeping pace with the educational development all over the world, the University had adopted Outcome Based Education. The University has 1506 PG and M.Phil students and 1263 Ph.D scholars on its rolls. Around 50%

of the students are women and a sizeable percentage of students are from marginalized sections of the society. Over 82% of the students hail from rural areas.

The academic programmes offered by the University are need based and cater to the requirements of the Society/ Industries. The various Schools of MKU design the curriculum of the academic programs, duly incorporating needed inputs to ensure employability, entrepreneurship and skill development. During the assessment period 14 academic programmes have been introduced. The curriculum is revised based on the feedback from the stakeholders and experts. The CBCS followed in the University is embedded with flexibility so as to enable the students to choose the subjects according to their interests and capabilities. The curriculum of each program is designed with core courses, elective courses, skill based supportive courses. The curriculum addresses the issues of gender, human values, environment sustainability and professional ethics. To promote experimental learning, internships and projects have been made integral part of the curriculum. Thus, through the introduction of new academic programs and courses, periodic revision of the curriculum, analysis of feedback of the stakeholders and validation of the curriculum through National and International experts, MKU has emerged as the reference point in curricular design for other institutions in the country.

Teaching-learning and Evaluation

The University conducts the admission process in a transparent manner through online applications, entrance tests and counseling. The University strictly adheres to reservation policies of Government of Tamil Nadu and merit based admission is done.

A five-day induction programme organized by the University orients the freshers in their new learning environment. The well-established monitoring system involving Course Teachers, Programme Coordinator, Student Counselor and Mentors assess the performance of the students and identify the slow and advanced learners to impart the required measures for further improvement.

The learning environment is supported by the optimum teacher student ratio of 1:8. The teaching and learning activities are effectively implemented by integrating the Information Technology with Learning Management System to attain the optimum educational outcomes and this has reflected in the students' average pass percentage of 89 in all the programmes offered by the University. The faculty members employ diverse methodologies of teaching stressing on experiential learning and problem solving methodologies. The Educational Multimedia Research Centre (EMRC) section of the University serves as the knowledge store house and helps both the faculty members and the students. The HRD Center of the University trains the faculty members in modern pedagogical approaches.

The teachers have enriched themselves with knowledge and acumen through actively participating in the National and International academic gatherings and also, they are exposed to modern teaching tools and techniques for effective and optimal knowledge transfer. A near cent percent faculties have doctoral degrees, which helps to focus on research missions of the University and this enabled them to teach and guide the students efficiently.

At present the examination system wing is completely automated. The continuous efforts for examinations reform have ensured the free, fair and transparent evaluation process. It has also reduced the examination days and enabled the speedy declaration of the results. The Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) reflect the performance-oriented approach of the University. The attainment of the course outcomes is achieved by active pedagogical methodologies and also through

evaluation processes.

Research, Innovations and Extension

The University is recognized by granting agencies in the frontier areas of knowledge for grant-in support. MHRD supported the University through RUSA to the tune of Rs.73.5 crores.

DST- PURSE and FIST augmented the research infrastructure to disseminate the knowledge in the appropriate forums. Two Schools are supported through DST-FIST during the assessment period to the tune of Rs. 5.29 crores. DST-PURSE has sanctioned Rs. 11.41 crores in two phases to improve the infrastructural facility. 152 Research projects worth of Rs. 64 crores were sanctioned to PI's.

The Network Research Centre for Biological Sciences has conducted 36 programmes during its first decadal phase. The second phase was sanctioned in April 2017 for continuing the activities for next five years. This Centre has disseminated knowledge and imparted skills among students representing across the Country. UGC has sanctioned Scheme for Trans-disciplinary Research for India's Developing Economies - STRIDE in recognition of promoting research in climate change, environment and biodiversity with a financial outlay of Rs. 100 lakhs. DBT has sanctioned a scheme on Centre for Excellence in Innovative Biotechnology (CEIB) on the Development of sheath blight disease resistant transgenic rice during 2016 to the tune of Rs. 1.94 crores.

Faculty members published their research findings through 1,547 research articles and 1417 articles in books and also filed 11 Patents for their innovations. There are around 300 number of articles with the impact factor of more than 5. The h-index of the University stands at 90 with the citation index of 22,313. Twenty-two International and 307 National Conferences have been organized. 853 Ph.D's have been awarded. The University has taken measures to enhance and sustain the quality of Ph.D programs. 189 National/International awards have been received by faculty members, research scholars and students. The University has organized awareness programs, sensitization programs, health care and hygiene programs, environmental protection initiatives etc. The extension programs have served as nuclei for action research. The University has generated Rs. 1.6 crores through consultancy services and received 8 awards for extension activities. 22 MoUs have been signed.

Infrastructure and Learning Resources

Madurai Kamaraj University has moved towards smart campus by integrating modern IT facilities by upgrading existing infrastructure to achieve the Nation's mission of 'Digital India'. The University has state-of-art facilities for teaching learning activities with 152 Class Rooms/Seminar Halls, out of which, 131 are Smart/ICT enabled Class Rooms, fully equipped laboratories, two fitness centres and Indoor and outdoor Auditoriums.

The University has IT facilities including Wi-Fi which are updated frequently. High-speed Computer Work stations, language lab, LAN Networks, e-governance servers, Web Servers, Network Servers, Firewalls, Optical fibre cable networks are part of the IT facilities in order to enrich and provide live and virtual atmosphere for effective teaching and learning. The University owns a comfortable Computer- Student ratio of 1: 1.6. MKU-Mobile App enables students to access resources 24 hours from anywhere.

Library has registered in e-Shodh Sindhu (eSS), provides access to 7500 e-resources. Remote access facility is

available to utilize the resources efficiently. Library has the collections of Books, Online Journals, E-books, Audio CD's for Differently Abled Persons and Braille Books. Out of 3,00,839 books in the library, 12,865 number of books have been procured during this assessment period. The University has 1273 books under the rare book collections. Most of the collections are from century old Tamil literature. The RFID in the library are the notable additions.

The University has shooting and editing floors for film making. The Projection of the documentaries and Video conference facilities are available in well-equipped lecture theatre named in fond remembrance of our Former President of India, Bharath Ratna Dr. A.P.J. Abdul Kalam. The lecture-theatre is also utilized for conducting International events, cultural fests, special lectures/seminars and popular talks.

A well-established mechanism is in place and an Estate Officer is in-charge of maintenance and management of Campus Facilities. The University Science Instrumentation Centre (USIC) supports the maintenance activities.

Student Support and Progression

To fulfill its social mandate towards uplifting the under privileged society through education, the University channels the financial assistance from the Govt. of Tamil Nadu to the needy students. Through its meticulous efforts, 56 percent of its students are benefitted from the Government Scholarships. Besides, the University has also provided financial assistance from its own resources for 42 percent of students. On the academic front, the University organizes capacity building programmes, such as, bridge courses, soft skill programmes and remedial coaching.

The existing Language Lab is upgraded to a full-fledged facility with 300 computers for improving the multi-lingual skills of the students. Yoga activities for the students and employees are the regular features of the University calendar to achieve the Fit India goals. Through MoU with external agency for professional counseling, the University takes care of the emotional well being of the students. Statuary committees including ICC, Anti-Ragging etc., are in place.

The University leaves no stone unturned to improve the placement, progression to higher education and ability to clear the competitive examinations. The University conducts the cultural and sports events regularly and it is pertinent to mention that during the assessment period, 81 students have won medals and awards in various Sports and Cultural Competitions. During the assessment period an amount of Rs. 2.2 crores has been spent towards improving the sports facilities in Madurai Kamaraj University. The grievances of student are discussed in the appropriate fora and addressed duly in a time bound manner.

The alumni stand with the University in all its noble endeavours through the alumni association and chapters of various Schools by financial and non-financial supports. The University has wide opened its doors for International Students to pursue their higher education through well-established norms and procedures of the University.

Governance, Leadership and Management

The Governance mechanism is well laid in the Statutes and Acts of the University. The functioning of the University towards its Vision and Mission is ensured by the able leadership. A truly decentralized and participative management system with academic, administrative and financial autonomy to the Schools is the

model to be emulated.

To ensure its relentless march towards excellence, the strategic and perspective plans are devised with appropriate inputs from all stakeholders. Meticulous planning and implementation of decisions taken by statuary and functional bodies/cells help the University to realize the goal set-up in the fixed timeframe.

The organizational structure of the University, which clearly defines the hierarchical roles, ensures smooth functioning of the University. The University has taken necessary steps towards e-governance by implementing Management Information System (MIS).

Apart from the Government schemes and welfare measures, the University also provides additional welfare measures. The University Health Care Centre and University Public School are the apt examples of University's commitment towards welfare of its employees and neighborhood.

The professional development of the teaching community is given top-most priority by the University as evinced from the generous support it extends for availing National and International fellowships, travel support for attending conferences and seminars. 34 Faculty members have undertaken international visits and 36 faculty members have been promoted under CAS of UGC during the assessment period.

Resource mobilization, optimal utilization, internal and external audit are ensured as per Statute and Policies of Madurai Kamaraj University. IQAC has been continuously monitoring and designing effective policy strategies for quality improvement of the University.

Institutional Values and Best Practices

The core values of the University enlist freedom from discrimination in all respects. In order to promote and imbibe, this noble thought in the young minds, the University has organized number of gender sensitive programmes during the assessment period. Its participation in 'One Billion Rising' shows the University's commitment. The promotion of Universal values, ethics and humanistic thoughts are practiced and remembered in their thoughts and visions through the celebration of National festivals and important days. The University has the required facilities and provides the amenities to Divyangjans.

The University consciously adopts the measures to protect and conserve its environment and ecological resources. Green Practices including recycling of water, proper waste disposal, rain water harvesting, moving towards alternative energy sources have kept the campus more alive to keep the place an active eco-habitat campus for bats, peacocks and flora and fauna.

The ambient atmosphere in the University led to evolving best practices which are unique. One among them is the establishment of one hundred and ninety-six (196) endowments by the alumni in the name of their beloved teachers for the benefit of the students. Another best practice is the genesis of Aqua-Terr society in the School of Biological Sciences. Started in 1962, this society is an informal student forum which was later transformed in to a formal registered society in 2017 to continue the legacy.

The University has emerged as a role model in several disciplines in view of its pioneering contributions. Among them, School of Biological Sciences is unique for its academic and research achievements, knowledge generation, dissemination and development of a supportive alumni-diaspora across the continents.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the University	
Name	MADURAI KAMARAJ UNIVERSITY
Address	Madurai Kamaraj University, Palkalai Nagar
City	Madurai
State	Tamil Nadu
Pin	625021
Website	http://mkuniversity.ac.in

Contacts for Communication					
Designation	**Name**	**Telephone with STD Code**	**Mobile**	**Fax**	**Email**
Vice Chancellor	M. Krishnan	0452-2459166	9443998251	0452-2458449	vcmku@mkuniversity.org
IQAC / CIQA coordinator	K. Balakrishnan	0452-2459110	9444451460	0452-2459181	iqacoffice@mkuniversity.org

Nature of University	
Nature of University	State University

Type of University	
Type of University	Affliating

Establishment Details	
Establishment Date of the University	08-12-1965
Status Prior to Establishment,If applicable	PG Centre
Establishment Date	15-12-1957

Recognition Details			
Date of Recognition as a University by UGC or Any Other National Agency :			
Under Section	**Date**	**View Document**	
2f of UGC	08-12-1965	View Document	
12B of UGC	08-12-1965	View Document	

University with Potential for Excellence	
Is the University Recognised as a University with Potential for Excellence (UPE) by the UGC?	Yes

Location, Area and Activity of Campus							
Campus Type	**Address**	**Location***	**Campus Area in Acres**	**Built up Area in sq.mts.**	**Programmes Offered**	**Date of Establishment**	**Date of Recognition by UGC/MHRD**
Main campus	Madurai Kamaraj University, Palkalai Nagar	Rural	528	872524	PG, Pre doctoral (MPhil), Doctoral (PhD), PG Diploma		

2.2 ACADEMIC INFORMATION

Affiliated Institutions to the University

Type of Colleges	Permanent	Temporary	Total
Hotel Management/Hospitality/Tourism/Travel	1	2	3
General	35	68	103

Furnish the Details of Colleges of University

Type Of Colleges	Numbers
Constituent Colleges	4
Affiliated Colleges	106
Colleges Under 2(f)	6
Colleges Under 2(f) and 12B	38
NAAC Accredited Colleges	35
Colleges with Potential for Excellence(UGC)	5
Autonomous Colleges	27
Colleges with Postgraduate Departments	79
Colleges with Research Departments	29
University Recognized Research Institutes/Centers	7

Is the University Offering any Programmes Recognised by any Statutory Regulatory Authority (SRA)	: Yes

SRA program	Document
NCTE	104423_4135_4_1576240711.pdf

Details Of Teaching & Non-Teaching Staff Of University

	Teaching Faculty											
	Professor				**Associate Professor**				**Assistant Professor**			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned				50				89				167
Recruited	7	0	0	7	26	3	0	29	109	37	0	146
Yet to Recruit				43				60				21
On Contract	0	0	0	0	0	0	0	0	44	32	0	76

Non-Teaching Staff				
	Male	**Female**	**Others**	**Total**
Sanctioned				751
Recruited	262	48	0	310
Yet to Recruit				441
On Contract	389	164	0	553

Technical Staff				
	Male	**Female**	**Others**	**Total**
Sanctioned				157
Recruited	40	13	0	53
Yet to Recruit				104
On Contract	5	1	0	6

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	7	0	0	25	3	0	104	35	0	174
M.Phil.	0	0	0	0	0	0	3	1	0	4
PG	0	0	0	1	0	0	2	0	0	3

Temporary Teachers									
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**		
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	23	20	0	43
M.Phil.	0	0	0	0	0	0	0	3	0	3
PG	0	0	0	0	0	0	8	3	0	11

Part Time Teachers									
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**		
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	5	2	0	7
M.Phil.	0	0	0	0	0	0	1	0	0	1
PG	0	0	0	0	0	0	7	4	0	11

Distinguished Academicians Appointed As

	Male	Female	Others	Total
Emeritus Professor	4	0	0	4
Adjunct Professor	0	0	0	0
Visiting Professor	0	0	0	0

Chairs Instituted by the University

Sl.No	Name of the Department	Name of the Chair	Name of the Sponsor Organisation/Agency
1	School of Tamil Studies	Perarignar Anna Chair	Madurai Kamaraj University
2	School of Historical Studies	Pasumpon Muthuramalingam Thevar Chair	Government of Tamil Nadu
3	School of Tamil Studies	Thirukkural Chair	Government of Tamil Nadu
4	School of Tamil Studies	Navalar Nedunchezhiyan Chair	Madurai Kamaraj University

Provide the Following Details of Students Enrolled in the University During the Current Academic Year

Programme		From the State Where University is Located	From Other States of India	NRI Students	Foreign Students	Total
PG Diploma recognised by statutory authority including university	Male	3	0	0	0	3
	Female	4	0	0	0	4
	Others	0	0	0	0	0
Doctoral (Ph.D)	Male	652	50	13	0	715
	Female	523	25	0	0	548
	Others	0	0	0	0	0
Diploma	Male	17	0	0	0	17
	Female	10	0	0	0	10
	Others	0	0	0	0	0
Post Doctoral (D.Sc , D.Litt , LLD)	Male	11	5	2	0	18
	Female	5	1	0	0	6
	Others	0	0	0	0	0
Pre Doctoral (M.Phil)	Male	34	4	0	0	38
	Female	55	2	0	0	57
	Others	0	0	0	0	0
PG	Male	547	34	0	0	581
	Female	611	50	0	0	661
	Others	0	0	0	0	0
Certificate / Awareness	Male	80	0	0	0	80
	Female	50	0	0	0	50
	Others	0	0	0	0	0

Does the University offer any Integrated Programmes?	Yes
Total Number of Integrated Programme	2

Integrated Programme	From the State where university is located	From other States of India	NRI students	Foreign Students	Total
Male	147	14	0	0	161
Female	8	0	0	0	8
Others	0	0	0	0	0

Details of UGC Human Resource Development Centre, If applicable

Year of Establishment	24-02-1988
Number of UGC Orientation Programmes	88
Number of UGC Refresher Course	230
Number of University's own Programmes	5
Total Number of Programmes Conducted (last five years)	63

Accreditation Details

Cycle Info	Accreditation	Grade	CGPA	Upload Peer Team Report
Cycle 1	Accreditation	74.05	Four Star	PearTeanReportCycle-1.pdf
Cycle 2	Accreditation	89	A	PearTeanReportCycle-2.pdf
Cycle 3	Accreditation	3.08	A	PearTeanReportCycle-3.pdf

2.3 EVALUATIVE REPORT OF THE DEPARTMENTS

Department Name	Upload Report
Centre For Film And Electronic Media Studies	[View Document](#)
Centre For Tourism And Hotel Management	[View Document](#)
School Of Biological Sciences	[View Document](#)
School Of Biotechnology	[View Document](#)
School Of Business Studies	[View Document](#)
School Of Chemistry	[View Document](#)
School Of Earth And Atmospheric Sciences	[View Document](#)
School Of Economics	[View Document](#)
School Of Education	[View Document](#)
School Of Energy Environment And Natural Resources	[View Document](#)
School Of English And Foreign Languages	[View Document](#)
School Of Historical Studies	[View Document](#)
School Of Indian Languages	[View Document](#)
School Of Information Technology	[View Document](#)
School Of Linguistics And Communication	[View Document](#)
School Of Mathematics	[View Document](#)
School Of Performing Arts	[View Document](#)
School Of Physics	[View Document](#)
School Of Religions Philosophy And Humanist Thought	[View Document](#)
School Of Social Sciences	[View Document](#)
School Of Tamil Studies	[View Document](#)
School Of Youth Empowerment	[View Document](#)
University Science Instrumentation Centre	[View Document](#)
Women S Studies Centre	[View Document](#)

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3. Extended Profile

3.1 Program

Number of programs offered year-wise for last five years

2018-19	2017-18	2016-17	2015-16	2014-15
87	85	83	83	84

File Description	Document
Institutional Data in Prescribed Format	View Document

Number of departments offering academic programes

Response: 72

File Description	Document
Institutional Data in Prescribed Format	View Document

3.2 Students

Number of students year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
1540	1479	1625	1731	1676

File Description	Document
Institutional Data in Prescribed Format	View Document

Number of outgoing / final year students year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
719	630	857	845	909

File Description	Document
Institutional Data in Prescribed Format	View Document

Number of students appeared in the examination conducted by the Institution, year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
1521	1469	1620	1728	1671
File Description			Document	
Institutional Data in Prescribed Format			[View Document]	

Number of revaluation applications year-wise during the last 5 years

2018-19	2017-18	2016-17	2015-16	2014-15
21	17	6	4	10

3.3 Teachers

Number of courses in all programs year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
1610	1657	1535	1519	1537
File Description			Document	
Institutional Data in Prescribed Format			[View Document]	

Number of full time teachers year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
188	196	204	212	225
File Description			Document	
Institutional Data in Prescribed Format			[View Document]	

Number of sanctioned posts year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
306	306	306	306	306
File Description			Document	
Institutional Data in Prescribed Format			[View Document]	

3.4 Institution

Number of eligible applications received for admissions to all the programs year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
3270	2962	2704	2775	2842

File Description	Document
Institutional Data in Prescribed Format	[View Document](#)

Number of seats earmarked for reserved category as per GOI/State Govt rule year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
660	658	865	1057	1060

File Description	Document
Institutional Data in Prescribed Format	[View Document](#)

Total number of classrooms and seminar halls

Response: 152

Total number of computers in the campus for academic purpose

Response: 240

Total Expenditure excluding salary year-wise during the last five years (INR in Lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
3418.02	3678.75	1913.83	2491.68	3371.63

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curriculum Design and Development

1.1.1 Curricula developed /adopted have relevance to the local/ national / regional/global developmental needs with learning objectives including program outcomes, program specific outcomes and course outcomes of all the program offered by the University

Response:

Madurai Kamaraj University, rightly chosen as and bestowed with the University with Potential for Excellence (UPE) has over the years evolved an array of need based, society-driven academic programmes which are in perfect unison and aligned with the National goals. The University offers a wide range of academic programmes under Choice Based Credit System (CBCS) catering to the needs of society and industry making the graduates employable and future ready.

For example, Madurai fondly called as the cultural capital of Tamil Nadu is known for folk, arts and tradition. The University offers MA Folklore to preserve and promote the native folk culture and practices. Keeping the medical tourism in mind, the University started MBA in Hospital Administration. M.Sc. Computer Science and MCA programmes support the Digital India Initiatives of Government of India. The conventional evergreen programmes in Mathematics, Physics, Chemistry, English, Tamil, Commerce, History, Economics and Education have been revised in order to keep pace with the National agenda. The innovative PG Programmes developed in Madurai Kamaraj University especially in Genomics, Microbial Gene Technology and Biochemical Technology are so designed to meet the requirements of research community in Life Sciences. Particularly M.Sc. Genomics and M.Sc. Biotechnology have emerged as National flagship programmes.

The University offers value-based education by following the footsteps of Mahatma Gandhi, Swami Vivekananda and Shri Kamaraj, and also provides innovative teaching through quality research. M.Sc. Peace Making assumes importance in the context of 150th year of celebration of Mahatma Gandhi's birth anniversary. M.Sc. Environmental Science goes in tandem with the National Mission of Swachh Bharat. Several academic programmes such as, M.Sc. Electronics and Instrumentation and M.Sc. Visual Communication strengthen the Skill India objectives of the Government of India. Thus, every academic programme conceived and offered at Madurai Kamaraj University has relevance to the developmental needs of the region/state/nation.

Field Trips, Industrial Collaboration, Internships and Research Projects are enhancing the critical thinking and scientific temper among students and making learning experience effective. Consultation with industrial experts in curriculum design enhances the employable skills of the students.

To facilitate the cross-discipline learning and to enhance the communication, personality and professional competency of each student, the University formulated Soft Skill, Skill based and Supportive (SSS) courses. A large body of our excelling alumni at various levels and in different disciplines across the globe is an evident of beneficiaries from our potential and flexible curricular design and continuous effort to incorporate the local, regional, national and global needs. Curricular and Co-curricular activities, such as, Yoga, Sports, NSS, YRC and other activities are blended rightly to improve the overall development of

students keeping in mind the majority of students hailing from rural and economically weaker section. Outcome based educational elements, like, PEOs, POs, PSOs and COs have been coined, and validated in all academic programme. The University has adopted the Learning Outcome Framework of the UGC and is taking steps to implement the same among its affiliated Colleges too.

File Description	Document
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)

1.1.2 Percentage of programs where syllabus revision was carried out during the last five years

Response: 98.91

1.1.2.1 How many programs were revised out of total number of programs offered during the last five years

Response: 91

1.1.2.2 Number of all programs offered by the institution during the last five years

Response: 92

File Description	Document
Details of program syllabus revision in last 5 years	[View Document](#)

1.1.3 Average percentage of courses having focus on Employability/ Entrepreneurship/ Skill development during the last five years

Response: 91.33

1.1.3.1 Number of courses having focus on employability/ entrepreneurship/ skill development year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
1503	1544	1388	1356	1390

File Description	Document
Average percentage of courses having focus on employability/ entrepreneurship	[View Document](#)

1.2 Academic Flexibility

1.2.1 Percentage of new Courses introduced out of the total number of courses across all Programs offered during last five years

Response: 32.05

1.2.1.1 How many new courses are introduced within the last five years

Response: 725

1.2.1.2 Number of courses offered by the institution across all programs during the last five years

Response: 2262

File Description	Document
Minutes of relevant Academic Council/BOS meetings	[View Document](#)
Institutional data in prescribed format	[View Document](#)

1.2.2 Percentage of programs in which Choice Based Credit System (CBCS)/Elective course system has been implemented

Response: 96.55

1.2.2.1 Number of programmes in which CBCS/ Elective course system implemented.

Response: 84

File Description	Document
Minutes of relevant Academic Council/BOS meetings	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Any additional information	[View Document](#)

1.3 Curriculum Enrichment

1.3.1 Institution integrates cross cutting issues relevant to Gender, Environment and Sustainability, Human Values and Professional Ethics into the Curriculum

Response:

The issues on Gender, Environment and Sustainability, Human Values and Professional Ethics are embedded in various programmes offered by Schools and Centers, inciting awareness on environment and

ecology, integrating social responsibility, inculcating humanist values, sensitizing the students to accept and appreciate the other, encouraging them to face the world of challenges in a more confident and compassionate way, and grooming them to blossom forth into full-fledged human beings, which the University believes as its moral responsibility.

Gender

The University aims for an inclusive society and strives for women empowerment through education by incorporating gender equity in the curricula of the various programmes. The courses such as Women's writing, Gender Media, Feminism, Gender and Society, Gender Sensitization etc. are taught in the School of Social Sciences and School of English and Foreign Languages .

Environment and Sustainability

The curricula of various programmes are so designed to aptly address the environmental issues, such as, Climate Change, Biodiversity and Conservation, Waste Water Recycling, Non-Conventional Energy Resources, Disaster Management and other Ecological Issues. Apart from Science programs, environmental issues are dealt by both Arts and Humanities Streams and thus most of the Departmental courses take a relay to create awareness on environmental ethics and the principle of energy conservation, which has resulted in more sensitized and committed students and researchers. In recognition of this, UGC has granted the Scheme for Trans-disciplinary Research for India's Developing Economy (STRIDE) for further dissemination of knowledge in the area of Environment and Sustainability to Madurai Kamaraj University.

Madurai Kamaraj University, a biodiversity rich campus, has been engaging student community to achieve the National Goal of Clean India Programme. This disseminated the core values of cleanliness to students and the University won 2nd Rank in Swachh Ranking at National level in 2017. The curriculum orientation helps the University to maintain Green and Clean Campus in a holistic manner.

Human Values

One credit per week is consecrated for Value Education and Counselling for the benefit of all the Post Graduate students. Programmes by the Faculties of Social Sciences, Language Studies, and Arts address most of the Human Values directly, while the programs by the Faculty of Science/Management dwell upon it in a contextual way. School of Religion, Philosophy and Humanist Thought, unique school of its kind, propagates human values through their courses and deliberations help the students to understand the human values.

Professional Ethics

Programmes of Madurai Kamaraj University are also career-oriented and they prepare the students to face the professional world, encompassing the personal and corporate standards of behavior. Most of the programs have industry training, internship and field work within the curriculum which augments their professional acumen. Strict adherence to research ethics including awareness on plagiarism, animal ethics for experiments, good practices in research are rightly blended in the curriculum. The courses also imbibe Societal and Ethical Values in order to develop students with wholesome personality.

File Description	Document
Upload the list and description of the courses which address the Gender, Environment and Sustainability, Human Values and Professional Ethics into the Curriculum	View Document
Any additional information	View Document

1.3.2 Number of value-added courses imparting transferable and life skills offered during the last five years

Response: 114

1.3.2.1 Number of value-added courses are added within the last five years

Response: 114

File Description	Document
List of value added courses	View Document
Brochure or any other document relating to value added courses	View Document
Any additional information	View Document

1.3.3 Average percentage of students enrolled in the courses under 1.3.2 above

Response: 26.29

1.3.3.1 Number of students enrolled in value-added courses imparting transferable and life skills offered year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
517	512	557	394	104

File Description	Document
Any additional information	View Document

1.3.4 Percentage of students undertaking field projects / internships

Response: 50

1.3.4.1 Number of students undertaking field projects or internships

Response: 770

File Description	Document
List of programs and number of students undertaking field projects / internships	View Document

1.4 Feedback System

1.4.1 Structured feedback received from 1) Students, 2) Teachers, 3) Employers, 4) Alumni 5) Parents for design and review of syllabus Semester wise /year-wise
A. Any 4 of above

B. Any 3 of above

C. Any 2 of above

D. Any 1 of above

Response: A. Any 4 of above

File Description	Document
URL for stakeholder feedback report	View Document

1.4.2 Feedback processes of the institution may be classified as follows:
A. Feedback collected, analysed and action taken and feedback available on website

B. Feedback collected, analysed and action has been taken

C. Feedback collected and analysed

D. Feedback collected

Response: A. Feedback collected, analysed and action taken and feedback available on website

File Description	Document
URL for feedback report	View Document

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Average percentage of students from other States and Countries during the last five years

Response: 7.29

2.1.1.1 Number of students from other states and countries year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
99	90	123	149	130

File Description	Document
List of students (other states and countries)	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Any additional information	[View Document](#)

2.1.2 Demand Ratio(Average of last five years)

Response: 2.43

2.1.2.1 Number of seats available year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
978	970	1266	1545	1545

File Description	Document
Demand Ratio (Average of Last five years)	[View Document](#)
Any additional information	[View Document](#)

2.1.3 Average percentage of seats filled against seats reserved for various categories as per applicable reservation policy during the last five years

Response: 88.21

2.1.3.1 Number of actual students admitted from the reserved categories year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
629	635	722	865	890

File Description	Document
Average percentage of seats filled against seats reserved	View Document
Any additional information	View Document

2.2 Catering to Student Diversity

2.2.1 The institution assesses the learning levels of the students, after admission and organises special programs for advanced learners and slow learners

Response:

Madurai Kamaraj University conducts an Induction Programme for the benefit of freshers. The programme introduces the various avenues available in the University for academic as well as extra-curricular options for the students. The CBCS System, Examination System, Student Support Facilities, Library, Computing Facilities, Laboratory Facilities are also explained to the newcomers.

The interaction between the faculty members and the student enable the Department to analyze the needs of the students and plan for appropriate strategies. Depending on the need, Bridge Courses are offered. The first internal assessment test serves as diagnostic test, where the student learning levels become known. The class room interaction and the Mentor and Mentee interactions are made students spell out their difficulties, if any. As a follow up, during the faculty meeting at the School level, remedial programmes are planned and teachers offer guidance to the slow learners. The slow learners may need language support and pick-up, reasoning ability development, problem solving nuances, mathematical skill deficit remedying, besides discipline specific bridging of knowledge gap between that endowed with and earnestly needed. Psychological adjustment might also be needed. The first few days of induction-interaction enables classifying, and inventorying of skills possessed and skill paucity. The performance of the slow learners is periodically monitored by the mentors and the course teachers, attendance and attentiveness included.

Advanced Learners are encouraged to utilize 24x7 laboratories and equipment facilities, where they interact with senior researchers and faculties to exchange the knowledge on scientific experiments, opportunities and experiences. These interactions prepare the students to actively participate webinars, Skype, presentations, conferences, debates and peer presentations. Distinguished domain experts who visit the departments are invited for the special interactive sessions with the students so that the advanced learners are motivated to develop new ideas. Training sessions for NET/SET Examinations have been conducted. Registrations for SWAYAM and MOOCs platform online courses are encouraged for the advanced learners. Value-Added Courses are offered to enhance the skills and opportunities of their choice. Advanced or fast learners are also given option to do a course on self-study basis. Besides, the e-resources developed by Educational Multimedia Research Centre (EMMRC) of Madurai Kamaraj University are also available to the students.

Thus, the University not only identifies the differential needs of the students but also takes effective steps in addressing them. Efforts to mainstream the slow learners have rewarded in many instances where in they have occupied pivotal positions in industries/establishments.

Academic autonomy has empowered the Schools to take appropriate steps to improve the learning experience of students whenever necessitated. Thus, the free and fair assessment of learning levels and efforts for shaping advanced and slow learners have created conducive educational atmosphere in the institution with Eloquence and Excellence.

File Description	Document
Any additional information	View Document

2.2.2 Student - Full time teacher ratio

Response: 8.15

File Description	Document
Any additional information	View Document

2.2.3 Percentage of differently abled students (Divyangjan) on rolls

Response: 0.26

2.2.3.1 Number of differently abled students on rolls

Response: 4

File Description	Document
List of students(differently abled)	View Document
Institutional data in prescribed format	View Document
Any other document submitted by the Institution to a Government agency giving this information	View Document

2.3 Teaching- Learning Process

2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

Response:

Student-Centric Learning:

Student-Centric Learning is one of the prime objectives of the Madurai Kamaraj University where learner autonomy and independence are given utmost importance. The institution identifies the interests and skills of the students, incorporate them in the learning process and ensure that the style of teaching shifts from directive to consultative. While designing the curriculum, the insights of the students are integrated and thus facilitate the students to have ownership in learning. Therefore, their participation makes them academically more accountable.

Diversified methods of student-centric participation are practiced in the campus at postgraduate programmes offered by the University. Some of the methods implemented are deficiency-debilitating flash of fundamentals, brainstorming sessions, group discussions, demonstrations, debates, live projects, case studies, Peer Team Teaching, tutorial sessions field/trips, community surveys etc. The skills and practices imbibed by the methods enable the students to develop independent problem-solving skills in their knowledge domains.

Experiential Learning

Opportunities are provided to the students to analyze or to explore the learning option. Pragmatic, practical, and hands-on training are provided to the students through internship, industrial exposure and fieldworks. Some Schools like Business Studies, Earth and Atmospheric Sciences have internship within their curriculum for experiential learning. Most of the arts, humanities and social sciences Schools have mandatory fieldwork in their final semester assessment, for field-knowledge. Practical, lab experiments and projects are the learning experiences for the students of science schools.

Participative Learning

Participation of the learners (students) illuminates the interactions and evolves the process of knowledge construction. Participation of the students is encouraged in classroom activities through seminars, conferences, colloquium, role-plays, participatory discussions, activity profiles, assignments, class seminar etc. for effective learning. Student participation in the programmes of the Government initiatives like Clean India campaign promotes the societal responsibilities.

The students and scholars of both arts and science streams are encouraged to have study circles and forums for knowledge sharing and enhancement. The faculty members motivate the students to actively participate in peer seminars so as to enhance the communication skills and to attain clarity in the subject matter. The discussions and presentations done by the students enrich their problem-solving skill too.

Problem solving methodologies

The ability to arrive at a solution to a problem is an expected outcome of curriculum. Curriculum of the programmes offered by the University has incorporated the problem-solving methodologies as per the contextual requirements. This improves the students' capability to observe, understand, analyze, interpret, find solutions, and perform applications that lead to a holistic understanding. It combines theoretical knowledge with practical activities. Curriculum with critical thinking exposure enables the students to become decision makers, conflict resolvers and alternative solution seekers, which pave a way for the students to face complex and challenging issues in their professions/jobs. National Knowledge Network (1Gbps) Wi-Fi connectivity within campus plays a pivotal role for a blended-learning environment.

File Description	Document
Any additional information	[View Document]()
Link for Additional Information	[View Document]()

2.3.2 Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc.

Response: 93.62

2.3.2.1 Number of teachers using ICT

Response: 176

File Description	Document
List of teachers (using ICT for teaching)	[View Document]()
Any additional information	[View Document]()
Provide link for webpage describing the " LMS/ Academic management system"	[View Document]()

2.3.3 Ratio of students to mentor for academic and stress related issues

Response: 9.51

2.3.3.1 Number of mentors

Response: 162

2.4 Teacher Profile and Quality

2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years

Response: 67.32

File Description	Document
Year wise full time teachers and sanctioned posts for 5 years	[View Document]()
List of the faculty members authenticated by the Head of HEI	[View Document]()
Any additional information	[View Document]()

2.4.2 Average percentage of full time teachers with Ph.D. during the last five years

Response: 95.18

2.4.2.1 Number of full time teachers with Ph.D. year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
181	189	195	201	214

File Description	Document
List of number of full time teachers with PhD and number of full time teachers for 5 years	[View Document]()

2.4.3 Teaching experience per full time teacher in number of years

Response: 14.63

2.4.3.1 Total experience of full-time teachers

Response: 2765

File Description	Document
Any additional information	[View Document]()

2.4.4 Percentage of full time teachers who received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the last five years

Response: 50.24

2.4.4.1 Number of full time teachers receiving awards from state /national /international level from Government recognised bodies year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
18	37	16	13	19

File Description	Document
Institutional data in prescribed format	[View Document]()
e-copies of award letters (scanned or soft copy)	[View Document]()
Any additional information	[View Document]()

2.4.5 Average percentage of full time teachers from other States against sanctioned posts during the last five years

Response: 3.07

2.4.5.1 Number of full time teachers from other states year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
8	8	9	9	13

File Description	Document
List of full time teachers from other state and state from which qualifying degree was obtained	[View Document](#)
Any additional information	[View Document](#)

2.5 Evaluation Process and Reforms

2.5.1 Average number of days from the date of last semester-end/ year- end examination till the declaration of results during the last five years

Response: 12.4

2.5.1.1 Number of days from the date of last semester-end/ year- end examination till the declaration of results year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
10	13	13	12	14

File Description	Document
List of programs and date of last semester and date of declaration of result	[View Document](#)
Any additional information	[View Document](#)

2.5.2 Average percentage of student complaints/grievances about evaluation against total number appeared in the examinations during the last five years

Response: 0.75

2.5.2.1 Number of complaints/grievances about evaluation year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
21	17	6	4	10

File Description	Document
Any additional information	[View Document](#)

2.5.3 Average percentage of applications for revaluation leading to change in marks during the last five years

Response: 79.65

2.5.3.1 Number of applications for revaluation leading to change in marks year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
21	15	3	4	6

File Description	Document
Any additional information	[View Document](#)

2.5.4 Positive impact of reforms on the examination procedures and processes including IT integration and continuous internal assessment on the examination management system

Response:

The University continuously reviews its examination procedures and undertakes formative and summative examinations. Continuous Internal Assessment (CIA) with weightage of 25 percent for theory subject and 40 per cent for practical subject is in accordance with norms stipulated by Tamil Nadu State Council for Higher Education (TANSCHE).

The individual schools have adequate freedom to design appropriate evaluative strategies with respect to CIA. The efforts taken at the University level has impacted positively on the performance of the students. The CIA tests are conducted on the day specified by the University, the exams are conducted in a decentralized manner. Adequate weightage is given for diverse evaluation methodologies which include individual and group task, seminar, project based participatory strategies.

Internal test marks are displayed in the notice board within 5 working days. Students are given freedom to check their answers as the answer keys are displayed in the department notice board and students' signatures are obtained in the answer scripts ensuring transparency. Avenues are available for settling

examination related grievances.

The CBCS Section plays a vital role in the formulation and implementation of examination reforms in the University. The following are a few examples of successful examination reforms undertaken by CBCS which led to positive impacts in the system.

The present Examination system consists of both CIA and End Semester Examinations with maximum of 25 and 75 marks for theory and 40 and 60 marks for practicals, respectively as per the Tamil Nadu State Council for Higher Education norms. The School/Department/Centre Council publishes and approves the results within the stipulated period ensuring transparency. The result is presented in a 5-point scale in Cumulative Grade Point Average (CGPA).

Updated academic Calendar for each semester in the beginning of the academic year is effective for planning the teaching and evaluation. The calendar includes Internal and External Examination schedules. This enables the students and faculty to complete the academic activities within the stipulated time period.

Multiple-choice question (MCQ) pattern (for Part A) in the internal and external examinations has been implemented from the academic year 2015-2016. MCQ promotes problem solving skill and effective assessment technique of the learning outcomes. It also helps students to face competitive examinations confidently.

MKU Mobile App introduced recently has provision for conducting MCQ class tests, online assignments and online tests.

The COE section of the University is 100% automated. Computerization efforts have resulted in online attendance, examination fees payment, choice of courses for examination, time table, hall tickets, results declarations, online examination grievance registration platform.

The reforms introduced in the examination system have brought several benefits:

- Objectivity is ensured through multilevel scrutiny of evaluation, hence, the subjectivity is decreased.
- Standard of Question Paper has gone up and the timely declaration of Results has been achieved.
- Reduction in number of examination days has been achieved.
- Examination related grievances are settled in the shortest time possible.

Transparency is ensured through provision of photocopies of answer scripts on demand.

File Description	Document
Any additional information	View Document

2.5.5 Status of automation of Examination division along with approved Examination Manual
A. 100% automation of entire division & implementation of Examination Management System (EMS)

B. Only student registration, Hall ticket issue & Result Processing

C. Only student registration and result processing

D. Only result processing

Response: A. 100% automation of entire division & implementation of Examination Management System (EMS)

File Description	Document
Current manual of examination automation system and Annual reports of examination including the present status of automation	[View Document](#)
Current Manual of examination automation system	[View Document](#)
Annual reports of examination including the present status of automation	[View Document](#)

2.6 Student Performance and Learning Outcomes

2.6.1 Program outcomes, program specific outcomes and course outcomes for all programs offered by the Institution are stated and displayed on website and communicated to teachers and students

Response:

The University has adopted outcome-based education, which is a performance-oriented approach. Keeping the quality enhancement of the scholars and students in mind, the University specifies objectives and strives hard to bring out the outcomes. Depending on the programme of study, the faculty members draw the Programme Educational Objective (PEO). Programme Outcome (PO) which is generic and Programme Specific Outcome (PSO) which is specific to every academic programme are coined keeping the LOC Framework of UGC and important stipulations of Washington and Seoul Accord as the basis. For every course offered, be it a Core Course or Elective Course, Course Outcomes are listed. These Course Outcomes are mapped with the POs and PSOs. Validation is done through the involvement of experts.

CBCS conducted series of workshops and seminars for the faculty members about the importance of PEOs, POs, PSOs and COs. A complete document with the syllabi of the programme along with PEOs, POs, PSOs and COs are given to all teachers and students, which is also available in School pages of University website.

File Description	Document
Any additional information	[View Document](#)

2.6.2 Attainment of program outcomes, program specific outcomes and course outcomes are

evaluated by the institution

Response:

Any meaningful exercises in higher education must have interactive teaching, learning practices and periodical evaluation to ascertain its validity and relevance. The University has the tradition of high standards of teaching, learning and knowledge building. It shows paramount interest in the evaluation of the attainment of Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs).

The attainment of the COs is achieved by active pedagogical methodologies and through free and fair evaluation processes. Faculties of Madurai Kamaraj University to formulate required pedagogical approach for a particular course they teach, with their knowledge and experience to students of various understanding levels. Apart from the personalized approaches, faculties and students have been empowered with a smart class environment where the traditional approach of educations meets the modern amenities and facilities in order to ensure the transfer of knowledge, skill and values, where the outcomes of the courses as well as programmes will evolve among students.

Teaching and Learning activities are also governed by Learning Management System (LMS) of University Mobile App where the convenience of effective interactions taking place. Online platforms facilitate the knowledge sharing of excellent teaching contents available at online YouTube, Teacher Tube, Social Media Platforms, multimedia contents from MKU EMMRC, and Online Courses including MOOCs Swayam Prabha. The combination of Internal and External faculty, with expertise in their respective domains, has been focusing on the Outcome Based specific pedagogical approaches with effective management of time.

Teaching strategies ranging from gamification, mini project-based learning, peer-teaching, Socio, Scientific problem-based learning, field capacity have been integrated based on the objectives and outcomes of each course taught. The Online-Offline tools for teaching/learning of Madurai Kamaraj University are pedagogically University Design of Learning, where slow learners are given special attention to reach learning goals and fast learners are motivated for achieving academic heights.

The outcomes are measured with continuous assessment and external examination. The continuous assessment contains periodic internal tests, assignments, peer team teaching, lab practical, seminars, and group discussions. Peer teaching exercises show that the component put the students in the higher perspective so as to complete the given task. The external examination assesses the learning capacity of the students as a whole in a particular course. Such exercise will give the student an overall perception. Based on the feedbacks from the students, the courses are continuously evaluated and improved.

The marks obtained in the courses for the semester reflects in the mark statement that contains CGPA which in turn can also be considered as an indicator of attainment of COs, POs and PSOs. The rubrics for checking the attainment of COs and PSOs have been designed and approved. An in-house software is being installed to map COs with PSO for every student after every examination be it formative or summative. The quantified attainment details are communicated to the students and parents. Further the extent of learning is assessed along the LOs, with contextual, content-specific and criterion based evaluation.

2.6.3 Average pass percentage of Students

Response: 91.1

2.6.3.1 Total number of final year students who passed the examination conducted by Institution.

Response: 655

2.6.3.2 Total number of final year students who appeared for the examination conducted by the institution

Response: 719

File Description	Document
List of programs and number of students passed and appeared in the final year examination	View Document
Any additional information	View Document
Link for annual report	View Document

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

Response: 3.48

Criterion 3 - Research, Innovations and Extension

3.1 Promotion of Research and Facilities

3.1.1 The institution has a well defined policy for promotion of research and the same is uploaded on the institutional website

Response: Yes

File Description	Document
Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View Document
URL of Policy document on promotion of research uploaded on website	View Document

3.1.2 The institution provides seed money to its teachers for research (average per year)

Response: 0

3.1.2.1 The amount of seed money provided by institution to its faculty year-wise during the last five years(INR in Lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
0	0	0	0	0

File Description	Document
List of teachers receiving grant and details of grant received	View Document
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	View Document

3.1.3 Number of teachers awarded international fellowship for advanced studies/ research during the last five years

Response: 11

3.1.3.1 The number of teachers awarded international fellowship for advanced studies / research year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
02	02	02	03	02

File Description	Document
List of teachers and their international fellowship details	View Document
e-copies of the award letters of the teachers.	View Document

3.1.4 Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates, other research fellows in the university enrolled during the last five years

Response: 1811

3.1.4.1 The Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates and other research fellows in the university enrolled year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
224	265	416	485	421

File Description	Document
List of research fellows and their fellowship details	View Document
Any additional information	View Document

3.1.5 University has the following facilities

1. Central Instrumentation Centre
2. Animal House/Green House / Museum
3. Central Fabrication facility
4. Media laboratory/Business Lab/Studios
5. Research/Statistical Databases

Any four facilities exist

Three of the facilities exist

Two of the facilities exist

One of the facilities exist

Response: Any four facilities exist

File Description	Document
List of facilities provided by the university and their year of establishment	View Document
Any additional information	View Document
Link to videos and photographs geotagged	View Document

3.1.6 Percentage of departments with UGC-SAP, CAS, DST-FIST, DBT, ICSSR and other similar recognition by government agency

Response: 19.44

3.1.6.1 The Number of departments with UGC-SAP, CAS, DST-FIST ,DBT,ICSSR and other similar recognition by government agency

Response: 14

File Description	Document
List of departments and award details	View Document
e-version of departmental recognition award letters	View Document

3.2 Resource Mobilization for Research

3.2.1 Grants for research projects sponsored by the non-government sources such as industry, corporate houses, international bodies, endowments,Chairs in the institution during the last five years (INR in Lakhs)

Response: 16.13

3.2.1.1 Total Grants for research projects sponsored by the non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution year-wise during the last five years(INR in Lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
0.0	0	0.0	15.73	0.4

File Description	Document
List of project and grant details	[View Document]
e-copies of the grant award letters for research projects sponsored by non-government	[View Document]

3.2.2 Grants for research projects sponsored by the government sources during the last five years

Response: 6394.15

3.2.2.1 Total Grants for research projects sponsored by the government sources year-wise during the last five years(INR in Lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
798.8	2034.878	1480.85	843.628	1235.99

File Description	Document
e-copies of the grant award letters for research projects sponsored by government	[View Document]
Any additional information	[View Document]

3.2.3 Number of research projects per teacher funded, by government and non-government agencies, during the last five year

Response: 3.69

3.2.3.1 Number of research projects funded by government and non-government agencies during the last five years

Response: 152

3.2.3.2 Number of full time teachers worked in the institution during the last 5 years

Response: 206

File Description	Document
Supporting document from Funding Agency	[View Document]
Link for funding agency website	[View Document]

3.3 Innovation Ecosystem

3.3.1 Institution has created an eco system for innovations including Incubation centre and other initiatives for creation and transfer of knowledge

Response:

The path to University of Excellence rests on creating and sustaining research innovative ecosystem to harness the talented and young pool of minds. The structure of the research ecosystem in the University has three essential components - human resource, research infrastructure and facilitation centre.

The teachers of the university is constantly enriching their knowledge and updating technological advancements through international exchange programmes and national fellowships. Thus, the enhanced teaching, training, research infrastructure and the application-oriented research in the emerging areas provide impetus to the research ambience in the campus.

Executing the research goals critically depend on the availability of the advanced research infrastructure. The Madurai Kamaraj University has taken constant efforts to augment its research facilities which include modern equipment, computational facility and media instruments. MKU has Units and Centres of Excellences, recognized and supported by the apex agencies and various Departments of Govt. of India, through such schemes like UGC-UPE, DST-PURSE, UGC-SAP, UGC-STRIDE, DST-FIST, RUSA and Government of Tamil Nadu etc., The channeling of generated knowledge to its logical end is facilitated by the incubation centre. Students are given adequate opportunity for exposure in the fields such as molecular biology, genomics, biotechnology, bio-energy, solar energy and have emerged as successful entrepreneurs. School of Energy Sciences recently entered into a Project to incubate the *Spirulina* Cultivation.

Nanotechnology, Metagenomics, Synthetic Chemistry, Bioresource Development, Development of novel Diagnostic methods and Biosensors, Alternative Energy Production, Alternative Medicine, Drug Screening and Repurposing, Drug Development and Molecular Therapeutics are the most common areas in which Madurai Kamaraj University is conducting intensive and applied research projects. There are well established laboratories, learning resource and infrastructure in the University for incubation and product development in the above listed areas with demonstrated publications. The University also has made accomplishments, such as, establishment of resources, products and methodologies. Of these, the notable includes new strains of rice with superior features including fungal resistance, drugs with higher efficacy, bacterial, fungal and algal strains with improved industrial features, massive genomic resources, disease diagnostic/stratification schemes, biosensors, etc. The products and the processes are in different stages of validations / regulatory clearances / IPR filing.

To add to its existing facility, the University has started Entrepreneurship, Innovation and Career Hub in the year 2019 under RUSA initiative. The Honourable Prime Minister of India has inaugurated the hub through video conferencing mode. It is highly expected that the hub will act as a nodal centre for innovation. Recently, Tamil Nadu Government Entrepreneur Department collaborated with Madurai Kamaraj University to extend the facility through grant and knowledge sharing for developing incubation centres in the University and in the affiliated colleges.

Madurai Kamaraj University, through various departments, is providing a needed platform for the researchers to undertake inter-disciplinary research activities to achieve the goals of Products to the People (PtoP).

3.3.2 Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry - Academia Innovative practices during the last five years

Response: 58

3.3.2.1 Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
12	16	16	09	05

File Description	Document
Report of the event	[View Document](#)
List of workshops/seminars during the last 5 years	[View Document](#)

3.3.3 Number of awards for innovation won by institution/ teachers/ research scholars/students during the last five years

Response: 89

3.3.3.1 Total number of awards for innovation won by institution/teachers/research scholars/students year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
28	21	18	11	11

File Description	Document
List of innovation and award details	[View Document](#)
e- copies of award letters	[View Document](#)
Any additional information	[View Document](#)

3.3.4 Number of start-ups incubated on campus during the last five years

Response: 1

3.3.4.1 Total number of start-ups incubated on campus year-wise during the last five years

27-08-2020 07:53:09

2018-19	2017-18	2016-17	2015-16	2014-15
1	0	0	0	0

File Description	Document
List of startups details like name of startup, nature, year of commencement etc	[View Document]

3.4 Research Publications and Awards

3.4.1 The institution has a stated Code of Ethics to check malpractices and plagiarism in Research

Response: Yes

File Description	Document
Any additional information	[View Document]

3.4.2 The institution provides incentives to teachers who receive state, national and international recognition/awards

Response: Yes

File Description	Document
e- copies of the letters of awards	[View Document]
Any additional infrormation	[View Document]

3.4.3 Number of Patents published/awarded during the last five years

Response: 11

3.4.3.1 Total number of Patents published/awarded year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
3	7	0	0	1

File Description	Document
List of patents and year it was awarded	[View Document]
Any additional information	[View Document]

3.4.4 Number of Ph.D.s awarded per teacher during the last five years

Response: 4.6

3.4.4.1 How many Ph.Ds are awarded within last 5 years

Response: 837

3.4.4.2 Number of teachers recognized as guides during the last five years

Response: 182

File Description	Document
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc	View Document
URL to the research page on HEI web site	View Document

3.4.5 Number of research papers per teacher in the Journals notified on UGC website during the last five years

Response: 7.96

3.4.5.1 Number of research papers in the Journals notified on UGC website during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
348	343	289	316	335

File Description	Document
List of research papers by title, author, department, name and year of publication	View Document

3.4.6 Number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings per teacher during the last five years

Response: 6.87

3.4.6.1 Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
235	309	267	334	264

File Description	Document
List books and chapters in edited volumes / books published	View Document
Any additional information	View Document

3.4.7 Bibliometrics of the publications during the last five years based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Response: 7.28

3.4.8 Bibliometrics of the publications during the last five years based on Scopus/ Web of Science - h-index of the Institution

Response: 38.5

3.5 Consultancy

3.5.1 Institution has a policy on consultancy including revenue sharing between the institution and the individual

Response: Yes

File Description	Document
Soft copy of the Consultancy Policy	View Document
Minutes of the Governing Council/ Syndicate/Board of Management related to Consultancy policy	View Document
URL of the consultancy policy document	View Document

3.5.2 Revenue generated from consultancy during the last five years

Response: 120.71

3.5.2.1 Total amount generated from consultancy year-wise during the last five years (INR in Lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
24.98	29.31	34.10	16.93	15.39

File Description	Document
List of consultants and revenue generated by them	[View Document](#)
Audited statements of accounts indicating the revenue generated through consultancy	[View Document](#)

3.5.3 Revenue generated from corporate training by the institution during the last five years

Response: 2.05

3.5.3.1 Total amount generated from corporate training by the institution year-wise during the last five years (INR in Lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
00	0.518	0.872	0.657	00

File Description	Document
List of teacher consultants and revenue generated by them	[View Document](#)
Audited statements of account indicating the revenue generated through training	[View Document](#)

3.6 Extension Activities

3.6.1 Extension activities in the neighbourhood community in terms of impact and sensitising students to social issues and holistic development during the last five years

Response:

Madurai Kamaraj University maintains a symbiotic relationship with the community around. While the Madurai city and its environments look up to the University for the solutions to their problems, the University considers the neighborhood as its Social Laboratories.

The foot prints of the activities of the University could be seen in the growth and development of Madurai and its neighboring districts in terms of education, industrial growth, status of women, inclusivity, etc. Further, through auxiliary organizations, such as, NSS, Red Ribbon Club and YRC, large number of extension programmes are undertaken on a variety of themes, such as, gender equity, pollution control measures, anti-plastic campaigns, alcoholism, etc., Camps, Rallies, Exhibitions, Cycle Jatha, Street Plays, etc., are organized to reach out to the people around. Some of the Noteworthy extension programmes are listed below.

Gender Sensitization: Apart from class room sensitization during programmes and trainings, Madurai

Kamaraj University is an integral part of Global Campaign against Violence against Women – One Billion Rising (OBR) since 2013. Students of Madurai Kamaraj University and women communities actively take part in the live programme on the theme on February 14 every year at Gandhi Museum Open Auditorium, Madurai, along with EKTA, Resource Centre for Women, a nodal organizing institution.

Eco Awareness: Eco Awareness campaigns have sensitized the importance of the ecological services among communities to better safeguard their local water bodies from pollution, encroachments and other damaging activities. Local communities along with students had planted more than 10,000 seeds of Palmyra Palm – a state tree of Tamil Nadu, within the campus and other nine water tanks around Madurai Kamaraj University. Coastal Clean Up programme is organized every year in Ramanathapuram to sensitize coastal communities and general public to protect the marine environment and its biological nature. Green Audit undertaken by the University with help of the students and scholars has created awareness on the bio and geo diversity of the campus.

Heritage Field Visits: Students of Madurai Kamaraj University have been visiting places of historical and archaeological importance in and around Madurai. Madurai is known for its Jain Beds and Tamil inscriptions. A team of scientists, students and faculty members visited *Keezhadi* to explore the ancient Tamil society.

- The University has adopted Govt. Rajaji Hospital Madurai for executing periodical cleaning-up drives through YRC wing since 2017.
- In association with Lion's Club, in order to develop Neem Forest, 4200 Neem saplings have been planted in the vast area of 200 acres of Madurai Kamaraj University.
- University Hospital provides affordable Medical Facility to the residents of the nearby villages.
- The University is taking exemplary activities by providing the computers and furniture to the Govt. Schools.

Septic Tanks were cleaned up by a special Clean-up drive uphold by the University.

3.6.2 Number of awards and recognition received for extension activities from Government /recognised bodies during the last five years

Response: 2

3.6.2.1 Total number of awards and recognition received for extension activities from Government /recognised bodies year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
01	01	00	00	00

File Description	Document
Number of awards for extension activities in last 5 years	View Document
e-copy of the award letters	View Document

3.6.3 Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the last five years

Response: 24

3.6.3.1 Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
03	12	04	01	04

File Description	Document
Reports of the event organized	View Document
Number of extension and outreach programs conducted with industry,community etc for the last five years	View Document

3.6.4 Average percentage of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last five years

Response: 29.4

3.6.4.1 Total number of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
864	437	403	540	90

File Description	Document
Report of the event	View Document
Average percentage of students participating in extension activities with Govt. or NGO etc.	View Document
Any additional information	View Document

3.7 Collaboration

3.7.1 Number of Collaborative activities for research, faculty exchange, student exchange per year

Response: 45.4

3.7.1.1 Total number of Collaborative activities for research, faculty exchange, student exchange year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
51	75	22	30	49

File Description	Document
Number of Collaborative activities for research, faculty etc	View Document
Copies of collaboration	View Document

3.7.2 Number of linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities etc. during the last five years

Response: 402

3.7.2.1 Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
90	45	190	38	39

File Description	Document
e-copies of linkage related Document	[View Document]
Details of linkages with institutions/industries for internship	[View Document]

3.7.3 Number of functional MoUs with institutions of National/ International importance, Other Institutions, Industries, Corporate houses etc., during the last five years (only functional MoUs with ongoing activities to be considered)

Response: 58

3.7.3.1 Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. year-wise during the last five years (only functional MoUs with ongoing activities to be considered)

2018-19	2017-18	2016-17	2015-16	2014-15
27	25	04	01	01

File Description	Document
e-copies of the MoUs with institution/ industry/ corporate house	[View Document]
Details of functional MoUs with institutions of national, international importance,other universities etc during the last five years	[View Document]
Any additional information	[View Document]

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 The institution has adequate facilities for teaching - learning. viz., classrooms, laboratories, computing equipment, etc

Response:

Madurai Kamaraj University has state-of-the-art facility with 82 Smart Class Rooms well connected with Wi-Fi and Optical Fiber Internet Connectivity with ICT facilities required for interactive and participatory teaching and learning.

Eighty Laboratories for practical and research work are available with 24X7 in 20 Schools with major instrumentation facilities including NMR, LC-MS/MS, EPR, SEM, HPLC, AFM, GC-MS, HR-TEM, Spectrofluorometer, XRD, Diode Array Spectrophotometer, FACS, High Content Screening, Fluorescent microscope etc., are available for the hands-on-learning and execution of M.Sc and M.Phil. Ph.D research and summer projects. Facilities for Microbial Screening, Cell Culture, High Content Screening etc. are available for use of the students for their specialized practical courses. 20 Seminar Halls with adequate facilities enhancing the deliberations required for active academic and research advancements. Central Instrumentation Centre of the University, housing high-end equipment for the purpose student community.

The Humanity Schools have modernized language laboratories and archives for effective learning. School of English and Foreign Languages have collections of movies and audio-visuals to enrich the learning process. In addition to School level computer laboratories, a computer centre with 300 computers and two High-end servers is established with RUSA Infrastructure grant to cater the computational requirements of the students. Library has more than 3 lakh volumes, in addition, the University is providing Remote Access (Off-Campus) to Subscribed e-Resources, viz, e-Shodh Sindhu for benefit of the research students. INFONET E-Resources is repository of various journals from American Chemical Society, American Institute of Physics, American Physical Society, Annual Reviews, Economic & Political Weekly (EPW), J-STOR, Oxford University Press, Project Muse, Springer, Taylor and Francis, Bibliographic Databases, MathSciNet, Institute for Studies in Industrial Development (ISID), JCCC and Web of Science (Through N-LIST Programme).

The Projection of the documentaries and Video conference facilities are available in well-equipped lecture and Preview- theatre named in remembrance of our Former President of India Bharath Ratna Dr. APJ Abdul Kalam. The lecture theatre is also utilized for conducting International events, special lectures/seminars and popular talks. The University has ultra-modern digital film studios and laboratories for practical shooting, handling and demonstration to the students for creating short documentaries with audio and video mixing sound effects. In the mission of digitalization, the University has launched its 'MKU - Mobile/Web App', which unifies the existing ICT resources. The students and staff members are provided with security codes and the details pertaining to the examinations and all required information can be viewed/mobilized by this application. The University have 5 men's (416 rooms) and 3 women's hostels (318 rooms) in the campus to cater the needs of the students. Planetarium with basic scientific equipment is available for the purpose of disseminating knowledge gained by scientists in labs to land for general public.

4.1.2 The institution has adequate facilities for sports, games (indoor, outdoor),gymnasium, yoga centre etc., and cultural activities

Response:

The University has well equipped physical infrastructure for indoor and outdoor sports. The core facilities are listed below

- Indoor stadium(dimension 37.40 m X 19.10 m, area 714 sq. m) houses Badminton court, Basket ball court, Volley ball court, Tennis court and Ball Badminton court.
- Kabbadi court (dimension 13.10 m X 10.15 m, area 133 sq. m)
- Handball court (dimension 40 m X 20m, area 800 sq. m)
- Football ground (dimension 141 m X 114 m, area 16074 sq. m)
- Cricket ground (dimension 141 m X 127 m, area 17907 sq. m)
- Open Air stadium with 400 mts track (area 24514 sq. m)
- Gymnasium
- Multi purpose Gym in each of the five men's hostels and three women's hostels

The University is establishing Sports Science Centre, sponsored by UGC, with the tune of Rs. 2.5 crores for promoting sports activities in the regional level.

The Department of Physical Education promotes yoga activities by conducting training programmes for the students and staff of the University. The Department of French organises yoga training for school children in collaboration with Department of Tourism, Tamilnadu.

Madurai, known as "Athens of East" has a rich heritage and tradition, reflected in numerous artistic forms. Befittingly, the University has School of Folklore studies to preserve the traditional arts passed on from previous generations. The School has various facilities such as green rooms, costumes, lighting facility, etc. It also has traditional as well as modern musical instruments for performance. Notably, the School trains the students for traditional dances such as *Thappataam* (drum beating), *Karakattam*, *Oyilattam* and *Mayilattam*. The performance of the students at the various platforms are well appreciated .

File Description	Document
Any additional information	[View Document]()

4.1.3 Percentage of classrooms and seminar halls with ICT - enabled facilities such as smart class, LMS, etc

Response: 86.18

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Response: 131

File Description	Document
Number of classrooms and seminar halls with ICT enabled facilities	[View Document](#)
Link for additional information which is optional	[View Document](#)

4.1.4 Average percentage of budget allocation, excluding salary for infrastructure augmentation during the last five years.

Response: 18.04

4.1.4.1 Budget allocation for infrastructure augmentation, excluding salary year-wise during the last five years (INR in Lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
850.00	850.00	270.00	390.00	420.00

File Description	Document
Audited utilization statements	[View Document](#)

4.2 Library as a Learning Resource

4.2.1 Library is automated using Integrated Library Management System (ILMS)

Response:

Central Library of Madurai Kamaraj University, Dr. T. P. Meenakshisundaram Library, named after first Vice Chancellor of the University, has the second largest collections among University Libraries in Tamil Nadu. Library has been established in the year 1966 which occupies the space of 2500 Sq.Meters. The library is fully automated and air conditioned through an Integrated *Library* Management Systems (ILMS) with the Dolphine software version 5.0.100 MS SQL. It is administered and monitored by INFLIBNET, provides access to scholarly journal databases.

Library has registered in e-Shodh Sindhu (eSS), provides access to 7500 e-resources. Library has enrolled in the Shodhganga in which library has uploaded 2216 thesis completely. Library has the collections of Books (3,00,839), Online Journals (7500), E-books (9016), Audio CD's for Differently Abled Persons (83) and Braille Books (109). It has the total seating capacity of 235 with various sections which include Reference Section (60), Theses Section (60), UGC INFONET Section (50), Periodical Section (25), Literature Section (30), Special Collection Section (10). INFONET Section has National Knowledge Network (NKN) with 1 GBPS network facility.

An Air-Conditioned Centre for Differently Abled Persons with an access to the reading materials and assistive technology function for their special needs in Higher Education. The students are facilitated with

easy access to the Library through ramp for navigation to various sections with a wheel chair. The centre has reading resources as books in Braille, Audio, E-Text and access to INFONET through Internet accessible computers with screen reader facilities. Radio-Frequency Identification (RFID) Technology is available since February 2014. With the help of Auto issue machine, Smart shelves and OPAC kiosk (3 Machines installed in the various points in the interior of the Library), University Library facilitates the user more efficiently. Recently, Government of Tamil Nadu, through its digitalization initiative, started to digitalize the palm manuscripts available in the University and the digital resources will be made available to public access. As a feather in the cap, Library has won Springer Nature and ACS awards in 2019 for maximum downloads of scientific articles.

File Description	Document
Any additional information	View Document
link for additional information	View Document

4.2.2 Collection of rare books, manuscripts, special reports or any other knowledge resource for library enrichment

Response:

The University Library has 1273 books under the rare book collections. Most of the collections are from century old Tamil literature which includes *Tamil Sollagarathi*, *Muvadi Mubathu*, *Inbakadal, Swtharma Pothini, Thirupugal, Muthukumarasamy Thiruvarutpa Thani Padal* and *Kuntalakesi Natagam.*

Reflecting the proud Tamil cultural heritage, the University owns manuscripts written in Palm Leaves. The manuscripts touched the different aspects of society, such as, religious literature, traditional medicine, poetry, drama and astrological notes. Notable manuscripts are *Ramayanam, Arisuvadi, Kantha Puranam, Sivagnanamoolam, Arunachala puranam, Krantahm, Ramanujan's Handwritten books-I, II and Ramanujan's Last Notebook.*

The University possesses the digitized version of hand written manuscript of Thiru. Moses Muthumalai who had worked for the welfare for the Paliyar, Mannar and other tribes in the Western Ghats. His diary consisting of 840 pages for the period 1902 to 1921 provides rich insights in to the tribal society.

Cartography of ancient and modern India prepared by colonial Administers, which were utilized for political and geographical references are preserved. *Young India* edited by Mahatma Gandhi during 1919-1931 is available in the University. Records of the Fort St. George: Dairy and Consultation book volumes are available for the period from 1679 to 1680. Estampage of Jain inscriptions in and around Madurai are also kept. Notably twenty four volumes of journal of Indian Antiquary are also available for teaching.

File Description	Document
Any additional information	View Document

4.2.3 Does the institution have the following

1. e-journals
2. e-ShodhSindhu
3. Shodhganga Membership
4. e-books
5. Databases

Any 4 of the above

Any 3 of the above

Any 2 of the above

Any 1 of the above

Response: Any 4 of the above

File Description	Document
Details of subscriptions like e-journals,e-ShodhSindhu,Shodhganga Membership etc	View Document
Any additional information	View Document

4.2.4 Average annual expenditure for purchase of books and journals during the last five years (INR in Lakhs)

Response: 22.31

4.2.4.1 Annual expenditure for purchase of books and journals year-wise during the last five years (INR in Lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
1.84	66.86	14.33	9.25	19.284

File Description	Document
Details of annual expenditure for purchase of books and journals during the last five years	View Document
Audited statements of accounts	View Document

4.2.5 Availability of remote access to e-resources of the library

Response: Yes

File Description	Document
Any additional information	[View Document](#)

4.2.6 Percentage per day usage of library by teachers and students

Response: 10.94

4.2.6.1 Number of teachers and students using library per day over last one year

Response: 189

File Description	Document
Any additional information	[View Document](#)

4.2.7 E-content is developed by teachers :

    1. **For e-PG-Pathshala**
    2. **For CEC (Under Graduate)**
    3. **For SWAYAM**
    4. **For other MOOCs platform**
    5. **For NPTEL/NMEICT/any other Government Initiatives**
    6. **For Institutional LMS**

Any 5 of the above

Any 4 of the above

Any 3 of the above

Any 2 of the above

Response: Any 4 of the above

File Description	Document
Details of e-content developed by teachers for e-PG-Pathshala, CEC (UG)	[View Document](#)
Any additional information	[View Document](#)
Give links or upload document of e-content developed	[View Document](#)

4.3 IT Infrastructure

4.3.1 Institution frequently updates its IT facilities including Wi-Fi

Response:

Madurai Kamaraj University has the state-of-the-art IT facilities including WI-FI which are updated frequently. High-speed Computer Work stations, laptops, LAN Networks, e-governance servers, Web Servers, Network Servers, Firewalls, Optical fibre cable networks are part of the IT facilities.

The IT facilities have created a virtual academic atmosphere where teachers, students and administrative staff access information quickly. Madurai Kamaraj University has understood that all the PG students and most of the Research Scholars born after 1980 are Digital Natives. The demand for accessing Internet is high among them and University has catered to the needs with providing Optical Fibre Cable Internet LAN connection and WI-FI connection. Both wired and wireless services have ensured the uninterrupted, safe, secure, speed and trusted access of Internet.

Technology Support Centre (TSC)

Since 2010, University has 1 Gbps bandwidth connectivity through National Knowledge Network. Technology Support Centre (TSC) came into existence in the year 2013, this centre has been instrumental in the establishment, maintenance and upgradation of IT facilities in the campus.

LAN Network

All the 82 Smart Class Rooms, developed under RUSA Scheme, have the technologies including, Computers, Writing Boards with Interactive Pads, Podium, Visualizes, Multimedia Projector, 46" LCD display unit with a provision for teleconferencing and other communication facilities connected with WI-FI and with The Local Area Network (LAN).

University Campus Network

University Campus Network consists of Optical Fibre Cable Networks which effectively connects 23 building OFC with LAN Connectivity through MHRD NMEICT-BSNL Project in the year 2016. University Campus Network has extensive coverage with more than 1500 users in both the Academic and Administrative Buildings.

Complete Wi-Fi Connectivity Campus

Wi-Fi connections which provide services to all Schools, Departments, Centres, Administrative Block, CIC Building, Hostels for men and women, Main Guest House, Faculty Guest House and University Hospital. This vast network consisting of high configuration network devices servicing 2500 data points spread over 95 buildings in the Campus. Network Infrastructure Upgrade project which provides Upgrade network switches and Wi-Fi Devices for various departments and eight hostels through DST PURSE fund in the year of 2015.

The Wi-Fi / Routers hotspot fixed with 300 indoor access points and 50 outdoor Access points under

RUSA Scheme and around 1179 authenticated Wi-Fi users are connected to MKU wireless network every day, which facilitates video-conferencing in Smart Class Rooms. This has enabled efficient function of Smart Class Rooms and Video Conferencing established under RUSA Scheme in 2017. The University has extended the Cafeteria facility to the public who visits the campus.

Web Services

TSC has been hosting official websites of the University, providing IT help desk and support and maintaining academic e-mail services, server management, Campus Wi-Fi Networks. University Website provides rich and updated information about the University, which connects University with outside world. The website has more than 2000 web pages, which can also be accessible through mobile applications. The University introduced mobile app for improving the learning capacity.

File Description	Document
Any additional information	[View Document](#)
link for additional information	[View Document](#)

4.3.2 Student - Computer ratio

Response: 1.62

4.3.3 Available bandwidth of internet connection in the Institution (Lease line)
?1 GBPS

500 MBPS - 1 GBPS

50 MBPS-250 MBPS

250 MBPS-500 MBPS

Response: ?1 GBPS

File Description	Document
Any additional information	[View Document](#)

4.3.4 Facilities for e-content development such as Media Centre, Recording facility, Lecture Capturing System (LCS)

Response: Yes

File Description	Document
Facilities for e-content development such as Media Centre, Recording facility,LCS	View Document
Link to photographs	View Document

4.4 Maintenance of Campus Infrastructure

4.4.1 Average Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, as a percentage during the last five years

Response: 70.51

4.4.1.1 Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component year-wise during the last five years (INR in Lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
2054.57	2698.35	1528.53	1844.33	2197.76

File Description	Document
Details about assigned budget and expenditure on physical facilities and academic facilities	View Document
Audited statements of accounts.	View Document

4.4.2 There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

Response:

Madurai Kamaraj University has established systems and procedures for maintaining and ensuring optimal utilization of physical, academic and support facilities. University takes every effort to optimize the utilization of facilities and has come out with established system and procedures for maintaining and utilizing the physical and academic support facilities.

Office of the Estate Maintenance of the University headed by a Full-Time Estate Officer, has Electrical, Mechanical, Civil Engineering Sections. The Office is in-charge of maintenance and management of Campus Facilities.

The Departments and Laboratories are maintained by respective administrative staff belonging to the School/Dept. Equipment, Apparatus and Instrument are taken care of technical staff in the respective Dept./USIC. Many of the Departments have gone for annual maintenance contracts.

Fire Safety measures have been taken in the administrative as well as academic buildings also. The library is maintained by the Librarian assisted by the Staff of the Library, wherein organic way of preserving the books has been resorted to.

Established procedures are available for maintenance of Computers and Sports facilities. In case of redundant articles, Govt. procedures are duly followed to declare them condemned and appropriate actions are taken. Strategies are formulated for utilization of waste materials.

The vast area of 528 acres of Madurai Kamaraj University is maintained as green and clean campus through concerted efforts of the administration and stakeholders. The Hostel facilities are being taken care of Warden and care is taken to give the students the best facilities.

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1 Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years

Response: 53.85

5.1.1.1 Number of students benefited by scholarships and freeships provided by the Government year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
783	703	859	973	1036

File Description	Document
Upload self attested letter with the list of students sanctioned scholarships	[View Document](#)
Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years	[View Document](#)

5.1.2 Average percentage of students benefited by scholarships, freeships, etc. provided by the institution besides government schemes during the last five years

Response: 42.54

5.1.2.1 Total number of students benefited by scholarships, freeships, etc provided by the institution besides government schemes year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
823	661	623	571	725

File Description	Document
Any additional information	[View Document](#)

5.1.3 Number of capability enhancement and development schemes –

1. **Guidance for competitive examinations**
2. **Career Counselling**

3. **Soft skill development**
4. **Remedial coaching**
5. **Language lab**
6. **Bridge courses**
7. **Yoga and Meditation**
8. **Personal Counselling**

7 or more of the above

Any 6 of the above

Any 5 of the above

Any 4 of the above

Response: 7 or more of the above

File Description	Document
Details of capability enhancement and development schemes	[View Document](#)
Any additional information	[View Document](#)
Link to Institutional website	[View Document](#)

5.1.4 Average percentage of students benefited by guidance for competitive examinations and career counselling offered by the institution during the last five years

Response: 30.26

5.1.4.1 Number of students benefited by guidance for competitive examinations and career counselling offered by the institution year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
485	374	955	347	263

File Description	Document
Number of students benefited by guidance for competitive examinations and career counselling during the last five years	[View Document](#)
Any additional information	[View Document](#)

5.1.5 The institution has an active international students cell to cater to the requirements of foreign students

Response:

The office of International Student Affairs (ISA) Cell of Madurai Kamaraj University is instrumental in fostering the enrolment of the International students in various Master programmes and Ph.D. programs. The University is providing ambient ecosystem for the International Students. A clear guideline has been formulated with the inputs from Ministry of Human Resource Development (MHRD), University Grants Commission (UGC), Study in India (SIP) program.

The guidelines provide a comprehensive niceties starting from the application process to award of degrees. The University allots seats for the international students in addition to the sanctioned strength for Masters programme on first-cum-first served and with super numerical basis whereas for Ph.D. programs the availability is based on the UGC regulations. The Masters and Ph.D. programmes offered in the University are intimated to the all the embassies in India through pamphlets and email. Foreign Citizens, Person of Indian Origin (PIO), Overseas Citizen of India (OCI), Non-Resident Indian (NRI) and NRI-sponsored candidates (the sponsorer must be a foreign national or hold NRI status) are considered as International students.

Single window admission is being followed for the students directly applying from their home country provided if they submit equivalence certificate from Association of Indian Universities (AIU). For the students who completed their eligible degree in India, they have to clear the entrance examination conducted by the University. Before admission to the programme, the students have to undergo a medical examination in the University Health Centre. To cater the needs of the International students, the university is establishing an International students hostel within the campus.

All stipulations of Government of India with regard to foreign students are meticulously adhered to. Moreover, all the international students are requested to participate in the regional festivals to educate them about the culture and heritage. Over all, Madurai Kamaraj University though its ISA office is providing an excellent environment for the international students to excel in their career.

5.1.6 The institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases

Response: Yes

File Description	Document
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View Document
Details of student grievances including sexual harassment and ragging cases	View Document

27-08-2020 07:53:21

5.2 Student Progression

5.2.1 Average percentage of placement of outgoing students during the last five years

Response: 13.92

5.2.1.1 Number of outgoing students placed year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
126	83	248	48	39

File Description	Document
Self attested list of students placed	View Document
Details of student placement during the last five years	View Document

5.2.2 Percentage of student progression to higher education (previous graduating batch)

Response: 13.35

5.2.2.1 Number of outgoing students progressing to higher education

Response: 96

File Description	Document
Details of student progression to higher education	View Document

5.2.3 Average percentage of students qualifying in State/ National/ International level examinations during the last five years (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/State government examinations)

Response: 51.52

5.2.3.1 Number of students qualifying in state/ national/ international level examinations (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil services/ State government examinations) year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
44	42	99	36	19

5.2.3.2 Number of students appearing in state/ national/ international level examinations (eg:

NET/SLET/GATE/GMAT/CAT, GRE/TOEFL/ Civil Services/State government examinations) year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
84	93	137	63	62

File Description	Document
Upload supporting data for the same	[View Document](#)
Number of students qualifying in state/ national/ international level examinations during the last five years	[View Document](#)
Any additional information	[View Document](#)

5.3 Student Participation and Activities

5.3.1 Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one) during the last five years

Response: 37

5.3.1.1 Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one) year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
16	05	07	07	02

File Description	Document
Number of awards/medals for outstanding performance in sports/cultural activities at national/international level during the last five years	[View Document](#)
e-copies of award letters and certificates	[View Document](#)
Any additional information	[View Document](#)

5.3.2 Presence of an active Student Council & representation of students on academic & administrative bodies/committees of the institution

Response:

The students are engaged with the University administration as learners, volunteers, student representatives for special engagements such as Internal Periodic Reviews thereby providing individual and collective evaluative feedback to the university on its educational and administrative services.

RUSA Project Monitoring Committee

Project Monitoring Unit represented by academic officials, faculty, administrative officers and students would be responsible for monitoring the project at the institutional level in order to implement the governance reforms proposed under RUSA.

Research Committee

University Research Committee, which coordinates Ph.D., related matters, has student member to address the needs effectively.

Hostel Mess Committee

In-mate Students serve in Mess, Maintenance, Accounting Committees and House-keeping Committees, in all the eight hostels of the two campuses. The mess menu, purchase of vegetables and grocery, cooking expenses are monitored by the hostel mess committee representatives. The student representatives take active part in making decision in the hostel mess committees.

Anti-Ragging Committee

The anti ragging mechanism includes Anti-Ragging Squad, Anti-Ragging Committee and Monitoring Cell. The student representatives in these committees provide balance in the anti ragging activities.

Internal Complaints Committee

In pursuance of the Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act 2013 and the Rules framed there under, the university has given representation to three students in the committee. The students have been working along with the faculty and administrative staff members to handle sensitive cases / complaints have helped in resolving issues. Student representatives also lead the Internal Complaints Committee activities in relation to Dissemination of Information and Gender Sensitization.

5.3.3 Average number of sports and cultural activities / competitions organised at the institution level per year

Response: 12.8

5.3.3.1 Number of sports and cultural activities / competitions organised at the institution level year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
19	14	11	10	10

File Description	Document
Report of the event	View Document
Number of sports and cultural activities / competitions organised per year	View Document

5.4 Alumni Engagement

5.4.1 The Alumni Association/Chapters (registered and functional) contributes significantly to the development of the institution through financial and non financial means during the last five years

Response:

The University has registered Alumni Association functioning as "Former Student Association". Alumni of the University have served as Vice Chancellors/Directors/Technocrats, Bureaucrats in the Central or State Universities/Institutions. Alumni have won National and International Awards such as, the Shanti Swarup Bhatnagar, Senior Spallanzani Award etc. and they are also recognized in many International and National Academies/organizations of repute.

Financial Credential:

Alumni of the University maintain cordial permanent rapport with the Alma matter and participate and support all the academic and service endeavours of the University. In fact they have made significant financial contributions through regular registration fees, assistance for organizing seminars and workshops and establishment of endowments. Eighteen endowments (worth of Rs. 31.05 lakhs) are established by the alumni to honor their Professors retiring from the services during the assessment period.

The Chapters of Alumni Association at School level are active in carrying out academic and research activities in the campus. For example, in the School of Biological Sciences, alumni have created alumni endowment fund with the tune of Rs. 4 Lakhs in the year 2015. From the accrued interest, every year an economically backward student of M.Sc., Genomics program is supported to meet the educational expense of up to Rs. 20000. Every year, an overall performing student in the School of Biological Sciences is awarded Leadership Award. In addition, a prize is awarded to the best student among the school children who participate in the Science Day programme.

Similarly, the alumni of the School of Energy, Environment and Natural Resources awards medal for best Ph.D. thesis in Marine Sciences, School of History awards Medal to the best student in M.A. History and School of Chemistry awards the award to an outstanding contributions to either Physical Science or Natural Science and the award carries Rs.30000.

Non Financial Credential:

International alumni are supporting the PG/PhD students academically in training in their respective fields. With their help and support students of School of Biotechnology students have been awarded with prestigious Khorana Fellowship (three fellowships) supported by The Department of Biotechnology (DBT) and Indo-U.S. Science and Technology Forum (IUSSTF), Newton Bhabha fellowship (two fellowships) etc.

The Alumni of School of Biological Sciences, in the eve of Golden Jubilee of Aqua-Terr society, organized an International Conference on "Genome Biology and Host Defence: Bacteria to mammals" on February 27, 28 & March 01, 2019. Leading legends from India and abroad were invited and to name a few: Prof. Max D. Cooper (Japan Prize winner from Emory University, USA), Prof Gowri Shankar, Prof Tapas Kundu, Director, CSIR-CDRI, etc. The fact that 300 members actively participated in the conference indicates the involvement of alumni student interaction with their Alma Matter. Alumni expressed that this conference provided a platform to reconnect with their long-lost peers.University alumni's contributions are assets in the *growth* of the University in achieving to newer heights and attaining the goal of Institute of Eminence.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

5.4.2 Alumni contribution during the last five years (INR in Lakhs)
? 100 Lakhs

50 Lakhs -100 Lakhs

20 Lakhs -50 Lakhs

5 Lakhs -20 Lakhs

Response: ? 100 Lakhs

File Description	Document
Any additional information	View Document
Alumni association audited statements	View Document

5.4.3 Number of Alumni Association / Chapters meetings held during the last five years

Response: 39

5.4.3.1 Number of Alumni Association /Chapters meetings held year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
16	09	05	05	04

File Description	Document
Report of the event	[View Document](#)
Number of Alumni Association / Chapters meetings conducted during the last five years	[View Document](#)
Any additional information	[View Document](#)

27-08-2020 07:53:24

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1 The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the University

Response:

The Governance of the University is the reflective of the Vision and Mission statements emphasizing the achievement of excellence in seeking truth in the form of knowledge. The Vision plan is intelligibly phrased as the empowerment of teachers, students and society through value, skill and technology-oriented teaching, learning, research and extension activities, enhancement of their creative, innovative and employabilities.

The effective leadership and system of governance of Madurai Kamaraj University is ensured through Statutes of Madurai Kamaraj University Act 33 of 1965 of Tamil Nadu State Legislative Assembly. Madurai Kamaraj University believes in the policy of participatory, inclusive governance.

Vice-Chancellor is Executive Head of the University, while the Registrar is Administrative Head. The governing bodies of the University starting from Syndicate, Senate, Finance Committee, Academic Council, Planning and Monitoring Board have adequate representation from State Government, University Departments, Affiliated Colleges and external stakeholders and ensure dialogue and discussion in policy making and effective implementation. All officers of the institute namely Registrar, Controller of Examinations, Finance Officer, Deans, Directors, Chairpersons of Schools, Heads of Departments report to the Vice Chancellor who ensures the smooth functioning of the University through the formulation of appropriate policies for the overall development of the University.

The powers, functions, procedures of various bodies/offices are clearly spelt out by the statues of the University. The Proceedings of all statuary bodies are recorded properly and effectively followed up and Action Taken Report are duly submitted in the subsequent meetings. The University has strong belief in democratic principles and adopts participatory governance style.

Besides the Vice-Chancellor and Registrar, the following academic/administrative positions are entrusted with the management; Deans, Head of the Department, Chairperson, Special Officer, CBCS Coordinator, Research Coordinator, International Students' Cell Director, Hostel Warden/Director and Student Councilor etc.,. In order to ensure the promotion of holistic and inclusive growth, the University has various bodies including Women's Cell, SC/ST Cell, Public Relation Section, Legal Section, Administrative Staff and Pensioners Grievance Cell. The statutory bodies and various committees including purchase committee, anti-ragging committee, project monitoring committee have specific positions for external members to validate transparency and social justice.

Faculty members are given the opportunity to perform administrative responsibilities, such as, Special Officers (Research / Planning and Development), Research Coordinator, CBCS Coordinator, IQAC Director and Coordinators for various Grant programs like UPE, DST-PURSE, RUSA, etc. Similarly, students are given due representation in Grievance Committee, Internal Complaints Committee, RUSA Project Monitoring Committee, Research Committee and Hostel Mess Committee. Hence, the University through its well-defined decentralized, participatory effective governance system marches towards the

Vision of the University through inclusiveness and righteousness.

6.1.2 The institution practices decentralization and participative management

Response:

Madurai Kamaraj University has decentralized transparent mechanism in the management, administration, academic and financial matters. The institution adopts bottom-up management style with respect to implementation of the academic policies. Syndicate is the highest decision making / executive body of the Madurai Kamaraj University of which Vice Chancellor is Chairman.

Madurai Kamaraj University has visualized the concept of participatory management during 1994 -1995. Nine Schools in the University, namely School of Biological Sciences, Biotechnology, Physics, Chemistry, Mathematics, Energy Sciences, Tamil Studies, Economics and History enjoy the freedom of autonomy with regard to academic and administrative matters.

 The primary goal is to develop quality leadership among the senior faculty members of the Schools by creating a Chairperson being a nodal head on a rotation basis for every two years to offer equal opportunity to eligible senior teachers. This novel idea of flexibility coupled with administrative freedom provides an ample opportunity for teachers to imbibe the quality of social responsibility, particularly in the interest of student community. Allocation and reallocation of works related to academic and administrative matters, day to day activities with accountability and responsibility for smooth functioning of school shouldered by the Chairperson, ably assisted by the faculty members.

The School council is a respectful body with the power of constitution of board of studies, framing of regulation and syllabus, conduct of examinations, declaration of results, M.Phil./Ph.D. registration of all programmes in the School. Freedom and flexibility for executing the individual projects of faculty member in a transparent manner bestows responsibility on the individual faculty members.

The uniqueness of this autonomy is to speed up the utilization of research funds in accordance with envisaged research proposal such as appointment of research personnel, purchase of equipment and consumables within the frame work of funding agency/the University.

The various committees comprising of faculty members, senior administrative staff and stakeholders function well and help administration in the formulation of policies and implementation of programmes.

A democratic decision-making process helps the University to have truly participatory decentralized administration.

6.2 Strategy Development and Deployment

6.2.1 Perspective/Strategic plan and Deployment documents are available in the institution

Response:

The Madurai Kamaraj University has a strategic plan of introducing e-governance and e-learning as early as 2015.

The University has a vast campus where administrative building, academic and research departments, directorate of distance education, hostels, canteens and halls are spread over from one side to another. In 2015, departments and offices had used standalone Internet connections to access websites and information. This was a constraint where the internet is limited to a particular place for data transfer. And also, students had been experiencing trouble with the existing connections with relatively slow speed.

Hence a strategic plan was necessitated to extend the access of Internet throughout the campus. Obviously, a plan was developed to make Madurai Kamaraj University with Wi-Fi connection and optical cable LAN access in order to facilitate faster access from all locations of the vast campus in a 24x7.

University installed a Network Server for Wi-Fi facility with faster access, greater control through firewalls and huge data transfer for making the demand of the requirements from students, teachers and staff. The access also ensures the standard requirement of safe and purposeful compliance of educational resource needs. During the subsequent implementation of University with Potential for Excellence (UPE) and Rashtriya Uchchatar Shiksha Abhiyan (RUSA) schemes, the strategic plan was realized at ground level and access of WIFI at several locations was easy with high speed data transfer.

This significant milestone has benefited the students, teachers and official communities with fast access and saving of time in terms of handling large file size data transfer through email or cloud storages.

WIFI and LAN Optical Fiber have different sort of facilities which complement each other based on the requirements and usage patterns. LAN optical connection serves immovable smart classes, office computers with high speed connections. Seventy two class rooms were made ICT smart facilities which require high-speed internet connections. This has created interactive and interesting sessions in the class rooms and constant online rapport with faculties whenever possible.

This infrastructure made students for high-quality educational contents through NPTL, MOOC platforms, resources at digital libraries to access national and international research papers, online Educational Audio, Visuals resources etc., Smart Phones and Laptops have been identified for access based in IP address in order to make educational environment more responsible and student friendly. WiFi-enabled campus supports teaching-learning more enjoyable in the digital technology atmosphere.

The strategic plan has changed the way of learning through accessing information, and consequently enhanced student experience smarter since 2018. This new facility made Madurai Kamaraj University smart and has strengthened the traditional way of learning practice and also lowered the access costs borne earlier by University and individual students. This student friendly, free Wi-Fi environment was a part of Goals of our Nation in achieving Digital India in educational institutions.

File Description	Document
Strategic Plan and deployment documents on the website	View Document

6.2.2 Organizational structure of the University including governing body, administrative setup, and functions of various bodies, service rules, procedures, recruitment, promotional policies as well as grievance redressal mechanism

Response:

Madurai Kamaraj University governed as per its Act, The Madurai-Kamaraj University Act, 1965, 1 (Tamil Nadu) Act No.33 of 1965 and its Statutes, Ordinances and Regulations, is a body corporate, with perpetual succession and common seal.

The Chancellor (Section 9; p.10)

The Governor of Tamil Nadu shall be the Chancellor of the University. By virtue of his office, shall be the head of the University and the President of the Senate and shall when present, preside at meetings of the Senate and at any Convocation of the University.

The Pro-Chancellor (Section 10; p.10)

The Minister-in-charge of the portfolio of Higher Education in State of Tamil Nadu for the time being shall be the Pro-Chancellor of the University. In the absence of the Chancellor, or during the Chancellor's inability to act, the Pro-Chancellor shall exercise all the powers of the Chancellor.

The Vice-Chancellor (Sec. 11-12; p.10)

The Vice-Chancellor shall be a whole-time Officer of the University. He shall be the academic head and Principal Executive Officer of the University. The Vice-Chancellor shall exercise a general control over all the affairs of the University.

The Registrar (Sec.13, p.12)

The Registrar shall be a whole-time paid Officer of the University appointed by the Syndicate. The Registrar shall exercise such powers and perform such duties as may be prescribed.

The Controller of Examinations (Chap-VI; Sec.12; p.78)

The controller of Examination shall be in charge of Conduct of Examination of the University and matters relating thereto and shall perform such other duties as may be prescribed by the Statutes or as required by the Vice-Chancellor.

The following shall be the authorities of the University

The Senate (Sec.15-18; p.13)

The Senate shall be the supreme governing body of the University and shall have power to review the action of Syndicate and of the Academic Council.

The Syndicate (Sec.19-20; p.20)

The Syndicate shall have the following powers, namely to make Ordinances and amend or repeal the same; to hold, control and administer the properties and funds of the University; and to make its own Standing Orders to regulate the disposal of its own business.

The Academic Council (Sec.23-25; p.27)

The Academic Council shall be the academic authority of the University and shall, subject to the provision of this Act and the statutes, have the control and general regulation of teaching and examination within the University and be responsible for the maintenance of the standards thereof and shall exercise such other powers and perform such other duties as may be prescribed.

The Boards of Studies (Sec.27; p.33)

There shall be Boards of Studies attached to each Department of teaching. The constitution and powers of the Boards of Studies shall be such as may prescribed by the ordinances.

Finance Committee (Sec.29; p.33)

The Finance Committee shall scrutinize the financial estimates and may make such modifications therein as it considers necessary.

Other Aspects: Service Rules, Procedures, Recruitment, Promotional Policies Grievance Redressal Mechanism, Organogram and all related matters are in additional information /website.

File Description	Document
Any additional information	View Document
Link to Organogram of the University webpage	View Document

6.2.3 Implementation of e-governance in areas of operation

1. **Planning and Development**
2. **Administration**
3. **Finance and Accounts**
4. **Student Admission and Support**
5. **Examination**

All 5 of the above

Any 4 of the above

Any 3 of the above

27-08-2020 07:53:25

Any 2 of the above

Response: All 5 of the above

File Description	Document
Screen shots of user interfaces	[View Document](#)
ERP Document	[View Document](#)
Details of implementation of e-governance in areas of operation Planning and Development,Administration etc	[View Document](#)

6.2.4 Effectiveness of various bodies/cells/committees is evident through minutes of meetings and implementation of their resolutions

Response:

The **Madurai Kamaraj University** with the status of **University with Potential for Excellence** in 2007 has well established statuary and other bodies, namely the Senate, the Syndicate, the Academic Council, the Finance Committee, Boards of Studies, etc. The meetings of the several bodies and its sub-committees are convened from time to time to evolve and frame the policies of the University. A Syndicate Sub-Committee, namely, Follow-up Action Committee is constituted to monitor the implementation of the minutes of the meeting of the Syndicate.

To cite an activity, the Syndicate of Madurai Kamaraj University in its meeting held on 05.02.2019 resolved to implement total online procedure for Admission process of Academic and Research Programmes from the academic year 2019 – 2020. Accordingly, the University has conducted the Common Entrance Test for admission to M.Phil/Ph.D. programmes for the year 2019 – 2020 through on-line mode of examination in 10 centres. The examination was conducted in 45 subjects for Ph.D. and in 34 subjects for M.Phil. Out of 2936 students registered, 2521 students appeared in the online examination held on 08.09.2019. The results were declared within a week and e-certificates were issued on 24.09.2019. Upon completion of common entrance test, the successful candidates were called for interview by the Departmental Research Committee of the University Departments and Research Centre in affiliated Colleges for selection following the UGC Regulations.

The resolution of the meeting of the Syndicate held on 05.02.2019 to implement online procedure for admission process of academic and research programmes has been successfully implemented from the academic year 2019 – 2020.

6.3 Faculty Empowerment Strategies

6.3.1 The institution has effective welfare measures for teaching and non-teaching staff

Response:

The teaching and the non-teaching staff of the university are taken care of by the University through welfare measures. All employees of Madurai Kamaraj University, both teaching and non-teaching, enjoy the welfare measures as per the rules of the Government of Tamil Nadu. Apart from that, additional measures are granted by the University especially to its teaching and non-teaching staff.

To list:

1. Gratuity
2. Pension
3. Commutation of Pension
4. Earned Leave encashment
5. Un-earned Leave encashment
6. Leave for attending Overseas Project/ Conference
7. Study leave with pay
8. Maternity Leave
9. Sabbatical Leave
10. Leave Travel Concession
11. Residential Quarters (for both teaching and non-teaching)
12. Overtime Allowance
13. Festival (Pongal) Gift
14. Uniform Allowance
15. Extending loan through employee credit society
16. Ward Fee Remission
17. Extending interest free festival advance
18. Bus transport at minimum cost
19. Medical Facility
20. Health Fund Scheme
21. Health Insurance
22. Pensioner's Health Insurance
23. Family Pension
24. Admission to wards of staff to PG programs
25. Facilities for the employees with special needs – Ramps, Wheel Chair etc.
26. Yoga practice for University community
27. Access to in-door stadium facility.
28. Employment on compassionate grounds.
29. Health Centre

Medical Facility

The University has a Health Care Centre which was established in 1977. It renders 24 hours health services to the students, staff and the staff's families living in the university campus and to the residents of the neighbouring villages. Facilities available in the Centre are: 24 hours Ambulance facility, X-ray Unit (100MA), Lab, ECG, nebulizer, treadmill, Ultrasound scan, etc. The Centre has 18 beds, three special rooms, exclusive ward for male and female, and a pharmacy in collaboration with Pandian Supermarket to provide medicine in subsidized cost.All the above measures unfailingly reflect the state of the welfare of the teaching and non-teaching of the University. Recently, University signed MoU with State Government to establish emergency medical facility in the University Health Centre with exclusive ambulance for accident victims in the Dhanushkodi-Kochi National Highway.

File Description	Document
Any additional information	View Document

6.3.2 Average percentage of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the last five years

Response: 0.2

6.3.2.1 Number of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
0	1	0	1	0

File Description	Document
Details of teachers provided with financial support to attend conferences,workshops etc during the last five years	View Document
Any additional information	View Document

6.3.3 Average number of professional development / administrative training programs organized by the University for teaching and non teaching staff during the last five years

Response: 15.2

6.3.3.1 Total number of professional development / administrative training programs organized by the Institution for teaching and non teaching staff year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
17	10	16	13	20

File Description	Document
Reports of the Human Resource Development Centres (UGC ASC or other relevant centres).	View Document
Details of professional development / administrative training programs organized by the University for teaching and non teaching staff	View Document
Any additional information	View Document

6.3.4 Average percentage of teachers attending professional development programs viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Program during the last five years

Response: 20.98

6.3.4.1 Total number of teachers attending professional development programs, viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Programs year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
41	45	54	44	29

File Description	Document
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers).	View Document
IQAC report summary	View Document
Details of teachers attending professional development programs during the last five years	View Document
Any additional information	View Document

6.3.5 Institution has Performance Appraisal System for teaching and non-teaching staff

Response:

Madurai Kamaraj University is following time bound and transparent performance appraisal system for teaching and non- teaching staff duly following Govt. of Tamil Nadu and University norms. The University conducts training classes to update their knowledge on various administrative issues through the Administrative Staff College of our University.

Functioning status of the Performance Appraisal System for teaching:

1. Annual Performance Appraisal System for Faculty members (PBAS).

2. Academic audit is conducted periodically by External Review Committee.

2. Based on double blind review of student's feedbacks the performance of the teaching staff are assessed

3. The Career Advancement Scheme (CAS) are followed for promotion of teaching staff as per UGC regulations.

4. In the CAS performance-based index score are submitted by the faculties to the Internal Quality Assessment Cell (IQAC), University and scrutinized by the approved external committee members.

5. Duly constituted selection committee framed to assess the faculty performance by Interview and recommends for CAS promotions.

6 The University syndicate approves the recommendation for CAS promotions

7. Research Performance awards are given to encourage the faculty members.

For the non-teaching staff:

Performance Appraisal System for non-teaching staff:

1. Administrative Audit is conducted in the University.

2.The promotion for administrative officers is based on the prescribed Confidential Performance Report by the scrutinizing committee.

File Description	Document
Link for Additional Information	[View Document](#)

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly

Response:

The Madurai Kamaraj University adheres to the Govt. of India regulations with regard to the financial transactions through banks/cheques/PFMS. The University generates funds both from external and internal sources. External source includes Central Government / State Government Grants and grants from other funding agencies. Internal source includes various fees collected from affiliated colleges / students and other receipts. Major expenditure includes establishment charges, expenditure on conduct of examination, research activities and other contingent expenditure. Finance and Accounts sections of Madurai Kamaraj University are functioning under the control of Finance Officer who is deputed from State Government Finance/Local Fund Audit department to monitor and control both income and expenditure. For execution

of works, proper approval from Building committee, Technical committee, Finance committee and Syndicate are being obtained. Major purchase of equipments and materials are processed through GeM and after adhering Transparency in Tender Rules.

Audit of Accounts:

Immediate post audit is done by the concurrent audit wing headed by the Deputy Director, Local Fund Audit, Government of Tamil Nadu on regular basis, which includes examining accounts, scrutinizing vouchers, assessing accounting principles followed and significant resolutions passed by Syndicate and other sub-committees. Annual Audit of Accounts upto 2018-19 are completed.

The Principal Accountant General (AG), Chennai conducts audit of Madurai Kamaraj University on test basis periodically on the grants and funds received / spent.

Financial Autonomy:

Adequate financial autonomy has been given to various Schools doing research work / studies who are in receipt of specific grants from UGC, DST, DBT, ICSSR, ICMR and other agencies. The accounts of these Schools are audited by Local Fund Audit Department and Utilisation Certificates are issued related to those grants received then and there.

Audit observations made by statutory auditors in the form of Audit Reports upto the financial year 2017-2018 are placed before Annual Senate in the month of March 2019. Settlement of audit objections is taken up by providing suitable replies in periodical joint sittings. Transparency and Financial discipline are ensured since MKU is a public funded institution.

6.4.2 Funds / Grants received from non-government bodies, individuals, Philanthropists during the last five years (not covered in Criterion III) (INR in Lakhs)

Response: 314.58

6.4.2.1 Total Grants received from non-government bodies, individuals, philanthropists year-wise during the last five years (INR in Lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
291.4	1.87	1.69	9.71	9.91

File Description	Document
Details of Funds / Grants received from non-government bodies during the last five years	[View Document](#)

6.4.3 Institutional strategies for mobilisation of funds and the optimal utilisation of resources

Response:

Resource Mobilisation

The University consistently follows prudent Resource Mobilisation Policy to cater its needs. Pay and allowances to teaching staff as per UGC Norms and norms of the state Government to non-teaching staff are being implemented with liberal grants from Government of Tamil Nadu. Finance rules and regulations are adopted and adhered in respect of Financial Management in order to ensure Optimum Utilisation of Resources. Revenues are generated from following resources.

1. Tamil Nadu Government Grants (Block Grant/Additionality Grants)
2. Grants from UGC and other agencies in the form of Start up Grants, Mid Career Grants, Research fellowships, Special Grants like UGC-UPE, DST-PURSE, DST-FIST, RUSA, UGC-STRIDE,. etc.,
3. Revenue generated from collection of Tuition Fees, Examination Fees, Research Fees, Recognition Fee, etc.,
4. Affiliation Fees from colleges affiliated to the University.
5. Overhead charges received from research Grants received from funding agencies.
6. Endowment Funds/Receipts for disbursement of various Scholarships.
7. Funds generated from alumni of the University.
8. Revenue generated from Buildings and other Properties.
9. Revenue generated from consultancy/professional services.

Utilisation of Resources

Optimal utilisations of resources are being ensured by following State government and other funding agencies financial norms for expenditure. Expenditure are monitored by Finance Committee, Syndicate, Senate & other sub-committees and subjected to both internal and external audits. Routine expenditures are carried out through well established procedures. Procurement of major items is made through Government-e-Market (GeM) or following tender procedures as per Tamil Nadu Government Transparency in Tender Rules. Construction and development of buildings are done with the approval of Technical Committee, Building Committee, Finance Committee and Syndicate.

6.5 Internal Quality Assurance System

6.5.1 Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

Response:

Strategy: Enhancing Career Progression Prospects of graduating students is one of the top priorities of the University, well articulated and sensitized by the IQAC all the years. A well conceived effort that grooms the 'inside' (Students, Faculty, Systems, Facilities, Pedagogy, Outcome thrust, etc.) spectacularly, captivates the 'outside' (recruiting firms) and schemes up things in a mission-like resolute nerve and will are in place. The university's thrust shifted to the pedagogy incorporating the Outcome Based Education (OBE) pattern.

Trendy Courses: In style, industry-oriented courses Electro Chemistry, Molecular Diagnostics, Vermi Composting, Microbial Composting, Marine Ornamental Fish Culture, Graphical Geo Information System, Foreign Exchange Market, Digital Library recommended by the Industry Representatives in BoS got introduced. Industry Internships and visits enabled employability-readiness.

Outcome Thrust: The OBE frame focuses on doing 'hands-on', improving 'hands and tools-on', and creating with 'intellect and ideas-on'. The soft-skill, the hard-skill, the web-skill, the data-skill, the design skill, the do-it-yourself-skill and last the niche-nuance-skill required are imparted enhancing skills that turn a student into industry-ready stellar.

Process: The process of enacting '**Enhanced Student Career Progression Prospects'** needs a Wi-Fi campus. RUSA funded 80+ Smart Classrooms, campus-wide Wi-Fi , etc paved the way for the enhanced and updated state of attainment of skills, complementing, supplementing and ornamenting other efforts. Encouragement for MOOCs and Online Teaching Modules by teachers resulted enhanced the students. Cumulative impact manifested in an upward buoyancy of learning experiences of students leading to improved placements.

Success: On an average, 37% of the outgoing students are employed/progressed to higher education. A gradual increase of 8% is recorded every year during the assessment period.

Strategy: The IQAC encouraged all the research Departments to apply for various extra-mural funding sources with industry consultancy component. Accordingly, the consultancy face, space and phase of the University increased steadily and significantly.

Process: A total of 375 research projects have been received from various funding agencies to a tune of Rs. 36.35 crore (2014-15 to 2018-19). Faculty pursued research supported by UGC- NRCBS, DBT-IPLS, PURSE and UPE schemes. Inter-Institutional collaborations established with Cancer Research Institute, Chennai, BRNS-DAE, DBT Network Project with 12 National Institutes. IQAC propelled Orientation Programs inviting lsevier, SciFinder and Springer Nature to groom on quality publication. The offshoot of these activities resulted in a spate of quality research publications. In tune, University's Consultancy Policy was revised, consultancy potential publicized on online, off-line showcasing the consultancy.

Success: Total number of peer reviewed research publications reached 1912 (WoS and SCOPUS), with 511 in journals with Impact Factor >3. In sync 10 Patents awarded/published. Regional Solar Testing Centre and the Tissue Typing Services contributed significantly to the consultancy buoyancy. 22 MoUs signed with hospitals to offer consultancy services in HLA tissue matching for kidney transplantation. Consultancy services in areas of nutraceuticals, solar energy testing, GIT and linguistics became limelight. Consultancy revenue raised to Rs. 161 lakhs during 2014-15 to 2018-19, a cool 31% jump over the previous era.

File Description	Document
Link for Additional Information	View Document

6.5.2 The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms

Response:

Example 1: Enrichment of Teaching and Learning Environment

Objectives

- To identify the hurdles in Student's learning process.
- To provide the best amenities in Teaching Learning Environment.
- To provide the slow learners the necessary remedial steps.
- To enhance the skill sets of Students during the period of study.
- To improve / upgrade the hostel facilities.

Practice

- A structured questionnaire have been prepared for collecting feedback from the students, Teachers, Alumni, Parents and Employers.
- Filled-in feedback forms are collected immediately after the End-Semester Examinations.
- Filled-in Feedback forms are subjected for complete analysis.
- Following questions/details are asked:
- Content of the Course
- Availability of textual reading material
- Clarity of textual reading material
- Relevance of additional source material
- Applicability/ relevance to real life situations
- Usefulness of the Course
- Potential of the Course to integrate with Extension and Research
- Extent of scope for students initiativeness
- Overall rating of the subject
- The data collected from the Students are feed into the computer, analyzed and out-put data-sets are collected for further action.
- The observations from the Feedback forms are forwarded to the Departments, Centre, CBCS, Placement Cells and EDII-Hub for the corrective actions.
- Suggestion / remedial measures to be taken were based on the Feedback listed out were forwarded to the respective Schools.

Evidence of Success/Measurable Outcome

- Facilities for Teaching and Learning process were increased / improved or created (no. of ICT enabled class-rooms and/or Smart-Class Rooms increased in all Schools).
- Necessary course materials / e-Resources were made available to the students. Spending on e-Resources increased significantly.
- Facilities in hostels are improved / increased.
- Facilities of Gym created in Gents and Ladies Hostels.
- Recorded class-room lectures are uploaded in Learning Management System (MKU Mobile App) using the recording facilities available in the Centre for Film and Electronic Media Studies (CFEMS).

Outcome: Students learning process is improved and pass the percentage and upward mobility of students (Placement and Higher Studies) increased during the assessment period.

Example 2: Development of Social Responsibility and Entrepreneurial Skills

Objectives

- To identify and bring-out the hidden talents in the students.
- To provide skill development related courses to all Students (no. of Courses as additional attachment).
- To provide add-on courses to fast-learners for additional credits.
- To develop Soft Skills and Entrepreneurial Skills among students to improve their employability and/or entrepreneurial capabilities.

Practice

- A number of Soft Skill / Skill based / Supportive courses (SSS) courses are offered to students.
- The SSS courses are offered across disciplines (trans discipline).
- Life skill oriented programme and Value Added Courses (VACs) were included.
- NET and SET coaching classes organized for Students.
- EDII –Hub is created with the support of Entrepreneur Development Innovation Institute, Government of Tamil Nadu, Chennai.
- Five numbers of Orientation / Training programmes were conducted by inviting experts from Industries and EDII (GoT) Directorate.
- Science Students are encouraged to undertake industrial visits, internships and summer projects and final year project work.
- Students from Humanities are encouraged to undertake field visits to historical sites, archeological sites, business houses / corporate companies to enhance their experiential learning, academic excellence and career progression.
- Students are encouraged to participate in Department level academic activities to improve their participatory / managerial and governance abilities.
- More faculty members are made members in IQAC, participated in programmes organized by IQAC that in turnresulted in overall Quality improvement in Teaching – Learning – Evaluation processes.

Evidence of Success / Measurable Outcome

- The field survey reports enhanced the experimental learning and writing skills of the students of Humanities stream.
- The project work reports improved the writing skills and practical knowledge of the students of Science stream.
- Industrial internships improved their hands-on experience and practical knowledge.
- Holistic Skill Development improves performance of Students as evidenced by Placements / Higher Studies.
- The students acquired / developed entrepreneurial skills in different areas of Humanities and Science (Management / Earth and Atmospheric Sciences / Communication etc.).

Overall Evidence of Success

- Improvement of pass percentage.
- No. of ICT enabled /Smart Class –rooms increased.
- Spending on e-Resources increased.
- Good number of LMS uploaded (Mobile App).
- Increase in number of candidates registered for SWAYAM / MOOC online courses.
- Quantum of spending on Hostel / Gym facilities increased.
- Quantum of spending on "Students Reading Parks".
- Increase in number of Wi-Fi nodes within the campus to support Digital Youth.
- Improvements in Institutional Rankings of NIRF**:** 77 in 2017, 54 in 2018 and 45 in 2019.
- QS India Ranking – Rank Band: 86 - 90.
- QS Asia Ranking – Rank Band: 351 – 400.

File Description	Document
Link for Additional Information	[View Document]()

6.5.3 Average number of quality initiatives by IQAC for promoting quality culture per year

Response: 8

6.5.3.1 Number of quality initiatives by IQAC for promoting quality year-wise for the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
16	04	05	04	11

File Description	Document
Number of quality initiatives by IQAC per year for promoting quality culture	[View Document]()
Any additional information	[View Document]()
IQAC link	[View Document]()

6.5.4 Quality assurance initiatives of the institution include

1. **Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality Assurance Report (AQAR) to NAAC; Feedback collected, analysed and used for improvements**
2. **Academic Administrative Audit (AAA) and initiation of follow up action**
3. **Participation in NIRF**

4.ISO Certification
5.NBA or any other quality audit

Any 4 of the above

Any 3 of the above

Any 2 of the above

Any 1 of the above

Response: Any 3 of the above

File Description	Document
e-copies of the accreditations and certifications	View Document
Details of Quality assurance initiatives of the institution	View Document
Any additional information	View Document
Annual reports of University	View Document

6.5.5 Incremental improvements made during the preceding five years *(in case of first cycle)* **Post accreditation quality initiatives** *(second and subsequent cycles)*

Response:

IQAC has been instrumental in several initiatives such as : the revision of syllabus of all programmes; introduction of new programmes, receipt of more Govt. funded research projects, increase in the consultancy projects and the quantum of earnings, conduct of many IQAC initiated quality improvement programmes, promotion of many socially relevant extension activities and ensuring a total Wi-Fi enabled campus and creation of smart classrooms.

Student Representatives are included in IQAC Committee, BoS, Internal Complaints Committee, Hostel Committees, etc. .During this assessment period, based on the feedback received from various stakeholders, the curriculum was revised for all the programmes. An extensive and through curricular revision has been done in a scientific way, following the Blooms Taxonomy.

Ten new PG programs (such as M.Sc. Marine Biology, M.Sc. Psychology, M.Sc. Criminal Justice and Victimology etc.) were started that added flavor to the already existing blend of Arts and Science PG Programs, benefitting rural students of the area improving their employability and career growth.

During this assessment period Rs. 1.61 Crores earned through Industry Consultancy Cell (ICC). A well structured ICC is established with a clear Consultancy Policy. Booklet highlighting the consultancy potentials of the faculty members is disseminated wide and deep, especially to business houses and Institutions to attract more consultancy projects in the future. A total of 22 MoUs were signed between

various hospitals to offer consultancy services. As of now, our faculty members are offering consultancy services in areas of biotechnology for nutraceuticals, solar energy testing, geo information technology and linguistics.

Created Entrepreneur Development and Innovation Institute (EDII) Hub for the benefit of student empowerment and to acquire Entrepreneurial Skills done. In collaboration with EDII, Government of Tamil Nadu, 5 programs organized i.e. Development Programme, E-Leader Programme and Online National Entrepreneurship Network (NEN) Foundational and Advance Courses on Entrepreneurship.

Twelve Quality initiative programmes were organized by IQAC for College and University teachers for quality improvement in teaching – learning, quality research publication, plagiarism-checking of thesis and reports preparation. For which experts form reputed publishing houses such as Elsevier, SciFinder and Springer Nature were invited to give hands-on practical exposure.

Faculty members are given training in using smart boards. Further a good number of teaching modules were prepared by the teachers using the facilities of the Center of Film and Electronic Media Studies to enhance the web based on-line teaching / learning process. Further, around 6000 lessons prepared by the EMMRC are made available to all students.

A well structured Madurai Kamaraj University Former Students Association (MKU-FSA), Placement Cell, Internal Complaints Committee and Industry Consultancy Cell are formed and functional. Policy for Student Progression and Career Growth (SPCG) is implemented successfully by the Placement Cell, EDII Hub and MKU-FSA.

In NIRF Ranking, university got good slots, 77 in 2017, 54 in 2018 and 45 in 2019. In QS India 2020 Rankings the University took 86-90 Band and in QS Asia 2020 Rankings, the 351-400 Band.

File Description	Document
Any additional information	[View Document](#)

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1 Number of gender equity promotion programs organized by the institution during the last five years

Response: 35

7.1.1.1 Number of gender equity promotion programs organized by the institution year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
05	12	07	07	04

File Description	Document
Report of the event	View Document
List of gender equity promotion programs organized by the institution	View Document

7.1.2 Institution shows gender sensitivity in providing facilities such as
a) Safety and Security
b) Counselling
c) Common Room

Response:

Institution shows gender sensitivity in providing facilities such as:

1. Safety and Security
2. Counselling
3. Common Room

The University follows uncompromising norms and procedures for the safety and security in the campus adhering to the guidelines of the UGC & State Government and own preparedness.

a) Safety and Security

The University ensures safety and security to all the stakeholders and assets through 24x7 security system engaging retired Army personnel through TESCO as watch and ward staff in uniform. The entry and exit points of the campus including women hostels are secured. 200 plus CCTV surveillance cameras are in operation in the campus. University has established Internal Complaints Committee (ICC) as per the norms of the Sexual Harassment at Work Places (Prevention, Prohibition and Redressal Act 2013). Helpline numbers related to women's safety are displayed in the University campus to create awareness among the

women students, scholars and employees. The University has introduced Transgender Column in the student admission application forms from 2017-18. In 2018-19, one transgender student has been admitted in the discipline of Performing Arts of the University and was given 50% concession in the tuition fees. In the University '**Mobile App'** emergency numbers are provided for round the clock support.

b) Counseling

The University has Student Counseling Cell. A teacher from every School is nominated as student counselor and orientation is provided. An hour in a week is allotted for the Value Education and the student counselor handles the classes. The role of the student counselor is to monitor the psychological wellbeing of the students and give necessary personal / academic/ counseling. If warranted, the student counselor, through 'Student Counselling Cell' arranges sessions with a designate Professional Counselor. In all these processes, anonymity is ensured to protect the interest of the students. Mentor – Mentee system existing in the University strengthens the Counseling System. Chellamuthu Trust, a NGO, working on various psychological issues with repute in and around Madurai over decades, collaborates with the University signed a MoU for carrying out special counseling activities in the campus.

c) Common Room

The Common Room for women is available in two different places in the University premises. One is in the Women's Studies Centre and the other one is in the Central Instrumentation Centre with required facilities including Private Feeding Area, Rest Room, Dining Area, Lounge and Day Care.

File Description	Document
Link for Additional Information	[View Document](#)

7.1.3 Percentage of annual power requirement of the Institution met by the renewable energy sources

Response: 4.87

7.1.3.1 Annual power requirement met by renewable energy sources (in KWH)

Response: 144000

7.1.3.2 Total annual power requirement (in KWH)

Response: 2956929

File Description	Document
Details of power requirement of the university met by renewable energy sources	[View Document](#)

7.1.4 Percentage of annual lighting power requirements met through LED bulbs

Response: 4.31

7.1.4.1 Annual lighting power requirement met through LED bulbs (in KWH)

Response: 20364

7.1.4.2 Annual lighting power requirement (in KWH)

Response: 473000

File Description	Document
Details of lighting power requirements met through LED bulbs	[View Document](#)

7.1.5 Waste Management steps including:
- **Solid waste management**
- **Liquid waste management**
- **E-waste management**

Response:

Waste Management steps that include

- Solid waste management
- Liquid waste management
- E-waste management

Madurai Kamaraj University aims to minimize the waste generated in its vast campus, effectively implementing the National Mission and goals of Swachh Bharat in all aspects. Due to the efforts taken, the University won the clean campus award holding 2nd place among Higher Educational Institutions in India in the year 2017. The commitment continues neither diluted, nor complacency crept, nor sedated.

Solid Waste Management

The University has created awareness among Students, Research Scholars, Teachers and Administrative staff about the composition of solid waste generated in the campus and their recovery, reuse and recycle. Each School is instructed to segregate the solid waste at the source point itself into degradable and non-degradable. University generates 950kg/day per-capita solid waste in which NBDG 310kg/day and BDG 640kg/day. All the buildings in the campus are provided with twin-bin system to segregate and dispose **the degradable and non-degradable wastes**. The segregated **paper-waste** from the campus is collected and sent to collection yard and further to Tamil Nadu Paper Limited (TNPL) for recycling as per the Tamil Nadu State Government guidelines.

Other **biodegradable wastes** from vegetation sites and hostels are collected regularly and disposed off in the composting pit for making the residue into natural manure. In order to utilize and manage the **organic wastes** effectively and efficiently, Vermiculture is being practiced. **Plastic waste** generated in the campus is collected and sent to the nearby small-scale plastic recycling units at free of cost.

Liquid Waste Management

The University prepares an Annual Water Budget and takes appropriate measures to ensure adequate supply of Water and scientific disposal of waste water. The University adopts 'DEWATS' technology to manage the waste water generated in the campus. The waste water generated in the Men's hostels is treated through DEWATS project commissioned during the year 2019 with an outlay of Rs. 85 lakhs and reclaimed gray water is used for gardening purposes. University produced 160 KLD of liquid waste generated from the Gents Hostel. After processing nearly about 130 KLD discharged water is available for gardening.

E-waste Management

The University encourages the purchase of computers and accessories through buy-back system. Long ago, use of CDs has been discouraged. TFT monitors have been replaced by energy efficient LED monitors. E-waste collected from the campus is disposed off through auction. University Mobile App has drastically reduced the usage of conventional electronic systems. In the year 2018-2019, an open auction was held and a tune of Rs.12 lakhs has been realized from auction. 10 low configured computers have been donated to Panchayat Union Schools and Government schools.

File Description	Document
Any additional information	[View Document](#)

7.1.6 Rain water harvesting structures and utilization in the campus

Response:

Madurai Kamaraj University practices Zero Drain concept. As per the *Koppen Climate Classification*, Madurai falls under the "Aw" classification, Tropical wet and dry climate; with the driest month having precipitation less than 60 mm. The average annual temperature is 28.8oC and the rainfall is 840 mm. However, Madurai Kamaraj University campus receives below the average rainfall during the past few years. The University solely relies on ground water for its everyday requirement through its 30 functional bore wells.

Rain Water Harvesting (RWH) structures (48 Nos.) are available in the campus is inevitable for recharging the water-table in the campus. The rain water is harvested in two-folded approach. 48 RWH structures have been constructed in most of the buildings under the RUSA infrastructure fund with an outlay of Rs. 66 lakhs. Rain water from these buildings is collected through pipeline which is directed into water harvesting pits as per the standard procedure. There are 2 excavated artificial earthen ponds with varying size of 2- 3 feet of depth.

Taking locational advantage with streams passing through the campus originating from Nagamalai Hill, the University restored two natural ponds with a capacity of 500 K litres to recharge its water table.

File Description	Document
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)

7.1.7 Green Practices
- **Students, staff using**
a) **Bicycles**
b) **Public Transport**
c) **Pedestrian friendly roads**
- **Plastic-free campus**
- **Paperless office**
- **Green landscaping with trees and plants**

Response:

Green Practices

- Students and staff members are using

1. Bicycles
2. Public Transport
3. Pedestrian Friendly Roads

- Plastic free campus
- Paperless office
- Green landscaping with trees and plants

Students and staff members are using

1. **Bicycles:** Residential facility is available for students, research scholars, married research scholars, teaching and non-teaching staff members. Most of the students and staff members residing within the campus are using bicycles for their mobility. 12% of faculty/scholars/students use bicycles. The University organizes 'No fuel-vehicle day' in the name of 'Wild Walk' near Biodiversity Park and also observes 'Heritage Walk'.
2. **Public Transport**: The University, located 13 km away from Madurai city is well connected with public transport system. In addition, University has buses and staff vans for the mobility of staff members who reside in the city. This pooled transport facility, facilitated by MKU has discouraged the individual staff members to drive their own vehicles and reduced the pollution. 60 % of faculty/scholars/students use buses run by the University. During lunch break four buses are running for the hostel students (300Nos.) to take them from their departments to the hostel and return. Further the university offers free transport facility for the 150 school children who are studying in the University Public School.
3. **Pedestrian Roads:** The roads are provisioned with platform for pedestrians at both sides of roads with the area of 6038sqm throughout the campus with sign boards. 2500 students and faculty members use the Pedestrian Roads every day.

Plastic Free Campus

The University has already banned single use plastics as per UGC notification and Government of Tamil Nadu. University is devoted to the adherence of 100% plastic free zone which enables the campus Clean and Green.

Paperless Office

Most of the official communication is regularly sent through e-mails, SMS, and MKU Mobile App which help to move towards paperless office. The University campus is connected with high speed broad-band Wi-Fi facility. Recently, the University has launched exclusive mobile App (MKU App) to cater the multi needs including *e*-leaning, *e*-resources and *e*-management which drives the University towards comprehensive paperless office.

Green Landscaping with Trees and Plants

The University's green campus is enriched with region-specific flora and fauna. Rare plant species are being maintained in the Centre for Biodiversity and Forest Studies and Botanical Garden. There are 142 plants exist in the botanical garden including the rare species. Due to the abundance of *Neolamarckia cadamba,* Madurai is referred to as *Kadambavanam* in the ancient text which becomes rare, needs to be protected. The University has planted more than 50 Kadamba saplings in the Heritage Consortium which is a part of Botanical Garden. In addition, 4200 Neem saplings were planted to improve greenery in the campus. Plantations in various locations around the University and affiliated Colleges are carried out regularly.

7.1.8 Average percentage expenditure on green initiatives and waste management excluding salary component during the last five years

Response: 1.72

7.1.8.1 Total expenditure on green initiatives and waste management excluding salary component year-wise during the last five years(INR in Lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
133.96382	26.84463	14.61418	0	108.01928

File Description	Document
Green audit report	View Document
Details of expenditure on green initiatives and waste management during the last five years	View Document

7.1.9 Differently abled (Divyangjan) Friendliness Resources available in the institution:

1. **Physical facilities**
2. **Provision for lift**
3. **Ramp / Rails**
4. **Braille Software/facilities**
5. **Rest Rooms**
6. **Scribes for examination**
7. **Special skill development for differently abled students**
8. **Any other similar facility (Specify)**

A. 7 and more of the above

B. At least 6 of the above

C. At least 4 of the above

D. At least 2 of the above

Response: A. 7 and more of the above

File Description	Document
Resources available in the institution for Divyangjan	[View Document]
Any additional information	[View Document]
link to photos and videos of facilities for Divyangjan	[View Document]

7.1.10 Number of Specific initiatives to address locational advantages and disadvantages during the last five years

Response: 16

7.1.10.1 Number of specific initiatives to address locational advantages and disadvantages year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
5	2	3	3	3

File Description	Document
Number of Specific initiatives to address locational advantages and disadvantages	[View Document]
Any additional information	[View Document]

7.1.11 Number of initiatives taken to engage with and contribute to local community during the last five years (Not addressed elsewhere)

Response: 65

7.1.11.1 Number of initiatives taken to engage with and contribute to local community year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
19	16	22	03	05

File Description	Document
Report of the event	View Document
Any additional information	View Document

7.1.12
Code of conduct handbook exists for students, teachers, governing body, administration including Vice Chancellor / Director / Principal /Officials and support staff

Response: Yes

File Description	Document
URL to Handbook on code of conduct for students and teachers , manuals and brochures on human values and professional ethics	View Document

7.1.13 Display of core values in the institution and on its website

Response: Yes

File Description	Document
Provide URL of website that displays core values	View Document

7.1.14 The institution plans and organizes appropriate activities to increase consciousness about national identities and symbols; Fundamental Duties and Rights of Indian citizens and other constitutional obligations

Response: Yes

File Description	Document
Details of activities organized to increase consciousness about national identities and symbols	[View Document](#)
Any additional information	[View Document](#)

7.1.15 The institution offers a course on Human Values and professional ethics

Response: Yes

File Description	Document
Any additional information	[View Document](#)
Provide link to Courses on Human Values and professional ethics on Institutional website	[View Document](#)

7.1.16 The institution functioning is as per professional code of prescribed / suggested by statutory bodies / regulatory authorities for different professions

Response: Yes

File Description	Document
Provide URL of supporting documents to prove institution functions as per professional code	[View Document](#)

7.1.17 Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties during the last five years

Response: 49

7.1.17.1 Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
04	19	14	08	04

File Description	Document
List of activities conducted for promotion of universal values	View Document
Any additional information	View Document

7.1.18 Institution organizes national festivals and birth / death anniversaries of the great Indian personalities

Response:

Madurai Kamaraj University feels proud to celebrate national festivals, celebrate birth and observe death anniversaries of great personalities/ national leaders/ freedom fighters/ philosophers and scientists. Important national days and festivals are celebrated in University with the participation of students, faculty members and administrative staff.

Independence Day and Republic Day are celebrated in a grand manner in front of administrative building with the march past of NSS & NCC and organizes cultural events.

The University celebrates National Youth Day, Social Justice Day, Education Development Day, Harmony Day, Teachers Day, Social Reformist & Dravidian Mentor Day, International Day of Non-Violence, World Student Day/Youth Renaissance Day, National Education Day, Children's Day, National Integration Day, Bharathi Thiruvizha, National Remote Sensing Day and National Mathematics Day by remembering the birth anniversary of Swami Vivekananda, Dr. B.R. Ambedkar, Shri. K.Kamaraj, Shri. Rajiv Gandhi, Dr. S. Radhakrishnan, Thanthai Periyar, Mahatma Gandhi, Dr. A.P.J. Abdul Kalam, Thiru. Pasumpon Muthramalinga Thevar, Maulana Abul Kalam Azad, Pundit Jawaharlal Nehru, Shri. Vikram Sarabai and Shrimati Indira Gandhi.

National Science Day, International Women's Day, Tamil New Year Day, Onam Festival, Aayutha Pooja, Saraswati Pooja, Vijiaya Dasami, Christmas and Holi are celebrated in University in a grand manner.

The main focus of these programmes are promotion of consciousness of communal harmony, reverence for national pride, homage to leaders, commitment of imbibing qualities and valuing sacrifices of leaders, and inculcation among the students to spread the message of importance of our national rich heritage and the nation building process through soft- power and hard power capacity building.

Year	Title of the programme/Activity	Duration (from-to)	No. of partici
2017	Aborigines – Australian Indigenous People	08.08.2017	40
2017	Aesthetics in Photography	19.09.2017	25
2017	Art and Agree (I) Culture	24.10.2017	28
2017	Aspects of Colonialism	29.08.2017	38
2015	Bharathidhasan Birthday on "Palina Samathuvam"	29.04.2015	97
2016	Bharathiyar Birth Anniversary Celebration on "Dhesa	11.12.2016	79

	Otrumai"			
2016	Bharathiyar Birth Anniversary Celebration on "Kuyil Pattu"	11.12.2016	77	
2017	Buddhist Art and Philosophy	03.10.2017	32	
2018	Christmas Day Celebration	21.12.2018	76	
2018	Pongal celebration at school	21.01.2018	67	
2017	Constitution Day	20.11. 2017	153	
2015	Tributes to Dr.APJ Abdul Kalam	21.08.2015	25	
2018	Tributes to Stephen Hawking	10.04.2018	25	
2019	156th Swami Vivekananda and Birth anniversary Celebration	07.03.2019	100	
2019	Republic Day Celebration	26.01.2019	150	
2018	549th Birth Anniversary Celebration of Guru Nanak Ji	11.11.2018	30	
2018	World Tourism Day Celebration	27.09.2018	55	
2018	Teacher's Day Celebration	06.09.2018	125	
2018	National Remote Sensing Day on the occasion of birth anniversary of Prof. Vickram Sarabhai	24.08.2018	50	
2018	Independence Day Celebration	15.07.2018	700	
2018	National Science Day	13.03.2018 - 15.03.2018	200	
2018	International Womens Day Celebration (University Celebration)	08.03.2018	200	
2018	Celebrated Dr.Abdul Kalam Birth Day Anniversary as Youth Awakening Day	15.08.2018	300	
2017	International Peace Day Celebration	21.09.2017	150	
2017	Teacher's Day Celebration	05.09.2017	160	
2017	Communal Harmony Day Celebration	18.08.2017	70	
2017	National Remote Sensing Day on the occasion of birth anniversary of Prof. Vickram Sarabhai	11.08.2017	30	
2014	Buddha Memorial Day Celebration	14.08.2014	30	

7.1.19 The institution maintains complete transparency in its financial, academic, administrative and auxiliary functions

Response:

The transparency is ensured through Madurai Kamaraj University Acts and Statutes.

1. Transparency in Financial Functions

- All expenditure proposals undergo strict financial scrutiny at various levels of administration.
- The Annual Budget and Annual Accounts are prepared as per MHRD norms and are placed before the Finance Committee and Syndicate.
- The day-to-day financial transactions are tracked by the Finance Officer (FO) for approvals and transactions.
- All types of financial transactions for purchases are made through cheque, online process such as PFMS/RTGS transactions.
- The fee collections and staff salary payments are made online.
- Propriety is ensured at all levels through regular audits by Internal Auditors, Chartered Accountants and State Government (through Local Fund Audit).

2. Transparency in Academic Functions

- The curriculum is designed by the duly constituted Board of Studies and is approved by the Syndicate, Academic Council and Senate.
- The regulations, syllabi and curriculum are uploaded in the University website.
- Admission notifications are made through newspapers and website.
- Admission forms and prospectus are available online.
- The admissions of the students are done through an entrance test based on merit and reservation policy of Govt. of Tamil Nadu. Admissions are monitored by the Admission Monitoring Committee of the University.
- After admission, the academic plan uploaded in the University Website.
- The internal assessment, comprising various components, ensures that the students receive their evaluated answer sheets and monitor their progress, performance and fairness in the evaluation.
- There is also provision for revaluation, remedial examinations and grievance redressal.
- All events such as, seminars, workshops, training programmes, etc. are posted on the website. The details are also circulated among the staff members and students.
- All measures are taken to ensure transparency with regard to academic activities and through adequate grievance redressal mechanism.

3. Transparency in Administrative Functions

- The recruitment of all the faculty positions is done through open advertisement following the UGC guidelines and reservation policy of Government of Tamil Nadu.
- The recruitment and promotion policies are well-defined and notified to all the staff members.
- The names of the appointed faculty members along with their full qualifications and experience are uploaded on the website of the University.

- Delegation of powers at various levels and committees are informed formally through e-mails and circulars.
- Employees can readily discuss and access their records in various sections of the administrative office.
- RTI applications are received and processed promptly.
- Official notices are promptly shared on emails and salary statements are sent electronically.
- Government regulations and amendments are promptly placed before the concerned bodies, circulated and displayed in the University's website.
- Faculty Meetings, IQAC and Research Review Meetings are conducted periodically and the approved minutes are duly circulated.

4. Transparency in its Auxiliary Functions

All auxiliary bodies function in accordance with the existing guidelines of the University, Govt. of Tamil Nadu and UGC Regulations.

7.2 Best Practices

7.2.1 Describe at least two institutional best practices (as per NAAC Format)

Response:

BEST PRACTICE - 1

1. Title of the Practice: Bestowal to the Institution in the name of Beloved Teachers-Building the legacy.

2. Objectives of the Practice: Giving back to the Institution which conceived the students and delivered them as intellectuals, gave care to bring laurels in the respective fields and making their dreams come through is a novel task. That too giving back to the Institution in the name of their beloved teachers, the architects who shaped their minds to think, gave hands to create and heart to love and feeding the knowledge to prosper. These architects made the young minds to realize that "we have been given by others with the hope that someday in some way it will be passed on" to the generation to come until the existence of the institution.

3. The Context: The alumni of the Madurai Kamaraj University, the successful teachers, higher officials and entrepreneurs contributed tremendously to bestow their beloved teachers in the shrine they made the first step to excel in their career in the form of Endowments. Through these endowments, the teachers will be remembered ever and the contributions by the alumni will be used to encourage the young talents for generations and teach them to give away. The young talents are being motivated by presenting medals, shields, prizes, and by arranging knowledge exchanging platforms like seminars / invited talks by the eminent personality in the respective fields.

4. The Practice: From the inception, most of the Endowments in Madurai Kamaraj University have been created by the alumni in the name of their beloved teachers for the benefit of the students by honoring them and to motivate. Madurai Kamaraj University has a total tally of one hundred and ninety six (196) endowments. Out of which three (3) are from the Tamil Nadu government and the remaining one hundred and ninety three (193) are by the alumni of Madurai Kamaraj University. From these one hundred and ninety six endowments, eighty two (82) are being used for endowment lectures and the remaining one hundred and eleven (111) for the endowment prizes, medals and awards. Every year eighty two thoughtfully selected, mind blowing seminars or invited talks are being organized in the university departments or schools by bringing the eminent people across the country. The travel of these people will be covered by the endowments with honorarium and a plaque. The endowment prizes, medals and awards will be presented to the outgoing toppers during the annual convocation. A handful of endowment awards will cover the tuition and/or book fee, for the economically underprivileged students. Altogether, in Madurai Kamaraj University, the endowments are unique, started by the alumni, in the name of their teachers to promote the next generation students. Through these activities, the university is cultivating the young minds to learn by heart "your greatness is not what you have, it's what you give" and "giving is the

greatest act of grace".

5. Evidence of Success: The results of Madurai Kamaraj University's novel practice on giving back to the institution are evident all through the years. As of now the university has accumulated 2.9 crores on endowments. On an average 25 lakhs has been earned as interest per year during this assessment period. Using these fund, 82 endowment lectures and 111 prizes, medals and awards are being conferred to the outgoing students during the annual convocation and making the young mind proud.

6. Problems Encountered and Resources Required: Presently we are not encountering any problems associated with the endowments and honoring the students. The resources for the endowments are our alumni and the young talents who were honored with the funds given by others and we anticipate that these students community would pass on this to the next generation "by giving back".

BEST PRACTICE - 2

1. Title: AQUA-TERR SCIENCE FORUM

2. Objectives of the Practice: The Aqua-Terr of the School of Biological Sciences (SBS) is a forum that has been providing a platform to offer healthy, scintillating and intensive interaction among the students, scholars and faculty members, updates the knowledge base in the scientific arena and also creates a real passion for contemporary sciences. Aqua-Terr serving as a research endeavor has been constantly providing a unique and valuable open access platform for the scientific community of the SBS and is instrumental in providing the scientific pulse and temperament of the SBS members. Aqua-Terr is quite informal as well as versatile in providing an arena for presenting and discussing the latest findings in global science among the members of the SBS with their peers, as well as the faculty members. It also hones the presentation skill of the young researchers and nurtures their scientific temperament. In addition, it provides a platform to the students to involve in cultural activities, especially during the Annual Day of the Aqua-Terr which is usually held in coincidence with the National Science Day Celebrations.

3. The Context: The history of Aqua-Terr, which was founded way back in 1962, is interesting and has been interlaced with the genesis, evolution, glory and onward march of the SBS. The birth of Aqua-Terr forum can be written in a gold plaque while documenting and narrating the multifarious scientific activities of the SBS. In this context, it is extremely gratifying to note that during the genesis and early development of scientific activities centered on Aqua-Terr, the notable contribution of Prof. S. Krishnaswamy and Prof. S. V. Job cannot be undermined. Their initiative to start an informal science club to report and discuss the development in different research fields of Biology focused on both Aquatic and Terrestrial organisms. Thereby the club was baptized as Aqua-Terr in the year 1969. Then on, the Aqua-Terr continued to be an integral part of the activities of the SBS. Year by year Aqua-Terr flourished with active participation of students and scholars both from the SBS and also from other Schools of the University and Institutions both far and near. This success was extended into annual celebrations of Aqua-Terr as a one-day conference on the 27th day of February every year. Since 2014, Aqua-Terr Annual Celebrations became a two-day event to include February 28, the "National Science Day". It is pertinent to mention that National Science Day is in recognition of and celebrating the discovery of the Raman effect by the Nobel Laureate Sir CV Raman. Since its beginning, Aqua-Terr Annual Conferences have become an important venue not only for showcasing the SBS research findings but also for invited speakers to provide new insights in their respective research fields by way of inspiring the young researchers in Biology. In 2015, this long-running

informal research forum was officially registered as the "Aqua-Terr Society for Biological Sciences (AT-SBS)" under the Tamil Nadu Societies Act, 1975, and that the AT-SBS has taken up the task of conducting the annual conference. The year 2019 is considered as the Golden Jubilee year: a milestone for Aqua-Terr@50 and it was celebrated with the International Symposium entitled "Aqua-Terr Golden Jubilee Commemoration International Conference on Frontiers in Biology : Host Defense and Adaptive Immunity: Bacteria to Mammals".

4. Activities: Unfailingly, every Friday at 12 Noon, the forum is in action for scientific presentation and discussion along with refreshments. It is a chance for young budding Researchers from various laboratories of the SBS to share their novel research findings to wide research community. It also provides an opportunity for Faculty Members to summarize the research findings of their respective labs. It is a wonderful opportunity for PG students to present their findings from the Summer Internship Programme which they carry out in other Institutes and Universities. Several new ideas have been debated, questioned and finally accepted in several occasions.

Eminent scientists from different parts of the world constantly visit SBS and deliver lectures and thus provide motivation and ideas to the young scientific community which helps them to pursue research with even more great enthusiasm and acquired caliber.

Many young and bright Research scholars and M.Sc students from the SBS have equipped themselves with excellent presentation skills mainly by presenting their data and findings in Aqua-Terr. By conducting Annual Conference with the participation of invited eminent scientists at National and International level from various fields has helped Research Scholars of the SBS to develop themselves and focus their research and also to nurture their science quest. Significant number of collaborations has also been developed with overseas laboratories and institutions during the Annual Conferences.

The illustrious alumni of the SBS in deed take it as their principal duty to visit the SBS, despite their short vacations during their visit from foreign lands and present their recent findings in the C.V.R. Hall. They also discuss about the job opportunities relevant to their research areas of their institutions especially with outgoing PG students and budding research scientists of the Ph.D programme of the SBS. Hence, the laboratories experience a chain of faculty roped up into their system and the good will of the chain continues helping out each other. The Alumni of the SBS also offer to attend the International Conferences organized by the SBS without expecting any international air fare as a token of love for their Alma Matter.

The Emeritus Faculty Members of SBS show keen interest to come and meet the young faculty members and students and share their wisdom. They also help to rope up research grants for the School by facilitating international collaborations.

Every year, the General Body of the Aqua-Terr Society for Biological Sciences (AT-SBS) assemble and conduct the election to select President, Vice-president, Secretary, Treasurer and other Executive Members which includes Faculty members of the SBS, SBS Alumni, Research Scholars and PG students. At present, there are about 200 members registered in the Society and the number is increasing. Every year, AT-SBS provides tuition fee for one M.Sc. Genomics student with economically weaker background. During the Aqua-Terr conference, eminent scientists deliver their lectures under the several endowments which have been created and which are in operation. The endowments created in the name of illustrious leaders of the SBS and in the name of Major Research Programmes of the SBS, *viz*., Prof. A. Gnanam Endowment, Genomics Programme Endowment (formed by Prof. P. Gunasekaran), Prof. M. Lakshmanan Endowment and Prof. C. Rajamanickam Endowment. At the end of the Aqua-Terr Annual Conference, special prizes

for Research Scholar are given based on their academic, research and department activities. The cultural activities enacted by PG students and Scholars at the tail-end the conference refresh the young minds and to show cast and exhibit their talents.

5. Evidence of Success: The legacy of Aqua-Terr is continued with ever-growing enthusiasm of its members since the time of its inception. Every year, during the festive annual day events, on the eve of National Science Day and the birth anniversary of Dr. Sir. C. V. Raman, members of the SBS community exhibit their scientific activities in a grand manner. As the participants are empowered with significant quantum of knowledge by attending the exciting deliberations related to the newer techniques and strong concepts of research in biology, this practice of Aqua-Terr has enabled the making of **ten Vice-Chancellors, Four Shanti Swarup Bhatnagar Awardees, Seven TANSA Awardees, Several Fellows of National and International Science Academies and Scientists** who occupy reputed positions in the area of Biological Research. Recently, the 50th year of Aqua-Terr experienced a mega scientific Get-Together by having an International Conference in Genome Biology where 12 lead speakers from abroad and 23 excellent scientists from the top institutions of India opened a strong research and academic confidence among the students and scholars of the SBS.

6. Problems encountered: Corpus fund is very much necessary to maintain the sustainablity for this best practice. We are very fortunate for not encountered with any problem to collect and maintain the corpus funds for the last 51 years.

7.3 Institutional Distinctiveness

7.3.1 Describe/Explain the performance of the institution in one area distinctive to its vision, priority and thrust

Response:

Institutional Distinctiveness	:	Institutional distinctiveness is characterized by its reason for coming to existence, vision, mission, nature of stakeholders, access to resources, cultural ambience and physical location

Mission: Knowledge Creation and Dissemination in Life Sciences

The best academic institutions must involve in the generation of knowledge, training and nurturing young talents, and dissemination. Madurai Kamaraj University involves in these missions in many areas of science and particularly has excelled in the field of Biological Science and Biotechnology. This involves the establishment of world-class, state-of-the-art infrastructure and resources for knowledge generation, training and dissemination in the theoretical, practical and application-oriented contexts.

Madurai Kamaraj University is in a position to guide all leading National Institutions. Despite the challenges, University has attracted the grant worth more than Rs. 100 crores in the last 10 years to develop the resources for the generation of new knowledge in the area of life sciences.

In the last 5 years, University could attract the grant of about Rs. 64 crores from different Ministries of Govt. of India and Govt. of Tamil Nadu and has established world-class research infrastructure to carry out research in Life Sciences. In these research establishments, more than 80% Ph.D students from the rural

background have been engaged through about 152 projects. It is worth to note that Madurai Kamaraj University is located in a rural part of India, and has been doing its justice towards Nation building.

Based on the academic records, University Grants Commission of India has recognized Madurai Kamaraj University as National Networking Resource Center (NRCBS) to train the young researchers from Colleges, Universities and Research Institutes in the emerging areas of life sciences. The University has conducted 36 summer and winter schools and trained 960 researchers across India in modern areas of Biological Sciences.

Centre for Excellence in Plant Genetic Engineering (DBT), Unit of Excellence in Cancer Genetics (DBT), Brucellosis Network Project (DBT), Centre for Biodiversity & Forest Studies augment the research unraveling into new dimensions. UGC supported Centre for Excellence in Genomic Sciences (CEGS), DBT-Interdisciplinary Program in Life Sciences (DBT-IPLS), Scheme for the Trans-disciplinary Research for India's Developing Economy (UGC-STRIDE) to strengthen and supplement the research culture and promote the innovation.

The areas of knowledge generation include: Molecular Biology, Molecular Genetics, Human Genomics, Microbial Genomics, Metagenomics, Biomedical Sciences, Biomedical Genomics, Microbiology, Microbial Technology, Nano-Biotechnology, Plant Genetic Engineering, Epigenetics, Immunogenetics, Computational Genomics, Integrative Genomics, Bioresource Technology, Drug Screening, Gene Silencing, Gene Editing, etc. From these establishments and investigations, we have generated new knowledge in the above-said fields. These are evident from more than 500 research publications in the Index Journals in the past 5 years, in the leading international and national journals. The knowledge generated from Madurai Kamaraj University, through more than 500 papers, has been cited to-date in more than 1000 other international research publications. Thus, Madurai Kamaraj University excels in knowledge generation as well as dissemination.

Apart from knowledge, the University has also made accomplishments like establishment of reagents, resources, products and methodologies. Of these, the notable includes new strains of rice with superior features including fungal resistance, drugs with higher efficacy, bacterial, fungal and algal strains with improved industrial features, massive genomic resources, disease diagnostic/stratification schemes, biosensors, etc.

Madurai Kamaraj University has sequenced and profiled the genome/transcriptome of about 300 organisms / biological conditions in the last five years and the data is in the open domain and is being accessed by researchers all over the world. The products and the processes are in different stages of validations / regulatory clearances / IPR filing, and in a few years, few of them would be in commercial pipeline.

In the last five years, University has disseminated the knowledge generated to i) 125 plus Ph.D. students, ii) about 1200 young researchers and faculty members in the country through workshops and hands-on sessions, and iii) about 325 M.Sc. students in the country. For this dissemination, MKU also has established world-class smart classrooms, laboratories, central instrumentation facilities, mega equipment etc.

The areas of training for PG level students include Genomics, Biotechnology, Microbiology, Biochemistry, Microbial Gene Technology. Name any modern area of life science, University has a knowledge-base and resource. Notable areas include Plant Genomics, Human Genomics, Metagenomics, Biomedical Genomics, Computational Genomics, Molecular Genetics, Epigenetics, Cancer Genomics, Drug Discovery, Microbial

Technology, Algal Biotechnology, Gene silencing, Gene Editing, etc. Notably, for all these courses, students are selected at the National level.

Considering the strength of MKU infrastructure and knowledge base, DBT has supported 2 of our M.Sc programmes with studentship for a period of time. The committees of UGC and DBT have highly appreciated the performance of MKU. Students get research training for a whole semester and about 75% of our students continue their Ph.D in leading institutions in India and abroad. Our students have become Welcome Fellows and Faculty Members at IITs and other leading institutions in India and abroad.

Public service: Apart from knowledge dissemination, University also involves in rendering services to the public, based on the knowledge generated. HLA DNA typing to transplantation matching has been done to 500 chronic kidney disease patients in the last 5 years through 29 hospitals.

Rural bias: University continues to train the students of rural backgrounds with the participation of more than 25% of students from other states. The cultural harmony is also maintained and makes the Schools as the best learning place for the regional population with the right cultural blend and ambience. The academic records remain competent at the national level with the updated adaptation of cutting-edge technologies.

Thus, the University exemplifies in the realm of the Institutional distinctiveness fulfilling its 'raison d'etre', with its visionary pursuit and missionary involvement, in cutting-edge knowledge development and dissemination in top-notch bio-research arena. Yes, the Madurai Kamaraj University truly commits to the dictum, 'To Seek Truth is Knowledge'.

5. CONCLUSION

Additional Information :

The University entered into NIRF ranking in 2017 and got 77 in University category and 101-150 band in the overall category. In the successive year 2018, University has improved its ranking to 54 in the University category, 81 in overall category. The University had entered into league of first 50 Universities in the country with the ranking 45 in 2019 NIRF ranking. The University entered in to QS India ranking and placed in the band 86-90. The University was secured 2nd rank in 2017 among Higher Educational Institutions in Swachh ranking process. Due to the efforts taken, the clean campus won the National recognition and ranked 2nd among Higher Educational Institutions in India in the year 2017.

Concluding Remarks :

Since its inception, the Madurai Kamaraj University has been known for its excellence in academic leadership. The glorious list of coveted positions, occupied by the teachers of the University stands testimony. Four Bhatnagar awards, DBT Distinguished Fellow, 8 FNAs, 11 FAScs, 2 TWAS, 16 Tamil Nadu Scientist Awards and Raja Ramanna Fellow are the accolades won by its teachers. Prof. A. Gnanam of Madurai Kamaraj University steered the NAAC, as its second Director. Higher Education Institutions across the country are benefited from the academic leadership developed by the Madurai Kamaraj University. Fourteen faculty members of the University have served as Vice-Chancellors of esteemed Universities in the country. During the assessment period alone, three faculty members have been elevated as Vice-Chancellors and a faculty member has served as the Director of IISER, Thiruvanthapuram.

To wrap up, the University has taken best efforts to live up to the expectations of the society by designing quality academic programs in tune with demands of the society, undertaking scientific and action research in cutting edge areas apart from addressing the needs of the society through lab to land initiatives and out-reach programs. Madurai Kamaraj University sincerely hopes that it will continue to enhance its contribution to the society and attain the status of Institution of Eminence in the years to come. Thus, Madurai Kamaraj University named after the legendary Gandhian and National Leader Shri. K. Kamaraj aims at empowering the rural India and rededicates itself to the cause of Nation, fostering global competencies with the view to promote equity, access and excellence.

6.ANNEXURE

1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification

1.2.1	Percentage of new Courses introduced out of the total number of courses across all Programs offered during last five years
	
	    1.2.1.1. How many new courses are introduced within the last five years
	       Answer before DVV Verification : 723
	       Answer after DVV Verification: 725
	    1.2.1.2. Number of courses offered by the institution across all programs during the last five years
	       Answer before DVV Verification : 7858
	       Answer after DVV Verification: 2262
	
	    Remark : DVV has made the changes as per brochure of new courses provided by HEI. Also. DVV has made the changes as per details of circular rum courses by HEI.

1.3.4	Percentage of students undertaking field projects / internships
	
	    1.3.4.1. Number of students undertaking field projects or internships
	       Answer before DVV Verification : 799
	       Answer after DVV Verification: 770

2.1.2	Demand Ratio(Average of last five years)
	
	    2.1.2.1. Number of seats available year-wise during the last five years
	    Answer before DVV Verification:
	
		2018-19	2017-18	2016-17	2015-16	2014-15

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978	970	1266	1545	1545 | Answer After DVV Verification : | 2018-19	2017-18	2016-17	2015-16	2014-15
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978	970	1266	1545	1545	

2.1.3	Average percentage of seats filled against seats reserved for various categories as per applicable reservation policy during the last five years
	
	    2.1.3.1. Number of actual students admitted from the reserved categories year-wise during the last five years
	    Answer before DVV Verification:
	
		2018-19	2017-18	2016-17	2015-16	2014-15

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632	647	729	870	890	 Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
629	635	722	865	890

| 2.2.3 | Percentage of differently abled students (Divyangjan) on rolls

    2.2.3.1. Number of differently abled students on rolls
    Answer before DVV Verification : 5
    Answer after DVV Verification: 4

    Remark : Provided document for the year 2019-20 has not considered. |
|-------|------|

| 2.3.3 | Ratio of students to mentor for academic and stress related issues

    2.3.3.1. Number of mentors
    Answer before DVV Verification : 165
    Answer after DVV Verification: 162

    Remark : DVV has made the changes as per one teacher counted as once for year. |
|-------|------|

2.5.3 Average percentage of applications for revaluation leading to change in marks during the last five years

    2.5.3.1. Number of applications for revaluation leading to change in marks year-wise during the last five years
    Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
0	1	0	0	1

    Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
21	15	3	4	6

    Remark : DVV has made the changes as per report of revaluation signed by controller of examination.

3.1.2 The institution provides seed money to its teachers for research (average per year)

    3.1.2.1. The amount of seed money provided by institution to its faculty year-wise during the last five years(INR in Lakhs)
    Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
53	84	50	78	69.8

	Answer After DVV Verification :				
	2018-19	2017-18	2016-17	2015-16	2014-15
	0	0	0	0	0

Remark : DVV has not considered seed money provided to department.

3.1.3	Number of teachers awarded international fellowship for advanced studies/ research during the last five years

3.1.3.1. The number of teachers awarded international fellowship for advanced studies / research year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
05	07	08	10	06

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
02	02	02	03	02

Remark : DVV has not consider mail copy and Provided some documents are in regional language and DVV only considered international fellowship.

3.1.4	Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates, other research fellows in the university enrolled during the last five years

3.1.4.1. The Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates and other research fellows in the university enrolled year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
238	280	439	545	467

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
224	265	416	485	421

3.1.6	Percentage of departments with UGC-SAP, CAS, DST-FIST, DBT, ICSSR and other similar recognition by government agency

3.1.6.1. The Number of departments with UGC-SAP, CAS, DST-FIST ,DBT,ICSSR and other similar recognition by government agency

Answer before DVV Verification : 15

	Answer after DVV Verification: 14 Remark : DVV has made the changes as per one department counted as once for year.
3.3.2	Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry - Academia Innovative practices during the last five years 3.3.2.1. Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices year-wise during the last five years Answer before DVV Verification: <table><tr><td>2018-19</td><td>2017-18</td><td>2016-17</td><td>2015-16</td><td>2014-15</td></tr><tr><td>14</td><td>19</td><td>23</td><td>10</td><td>05</td></tr></table> Answer After DVV Verification : <table><tr><td>2018-19</td><td>2017-18</td><td>2016-17</td><td>2015-16</td><td>2014-15</td></tr><tr><td>12</td><td>16</td><td>16</td><td>09</td><td>05</td></tr></table>
3.3.3	Number of awards for innovation won by institution/ teachers/ research scholars/students during the last five years 3.3.3.1. Total number of awards for innovation won by institution/teachers/research scholars/students year-wise during the last five years Answer before DVV Verification: <table><tr><td>2018-19</td><td>2017-18</td><td>2016-17</td><td>2015-16</td><td>2014-15</td></tr><tr><td>55</td><td>48</td><td>43</td><td>24</td><td>19</td></tr></table> Answer After DVV Verification : <table><tr><td>2018-19</td><td>2017-18</td><td>2016-17</td><td>2015-16</td><td>2014-15</td></tr><tr><td>28</td><td>21</td><td>18</td><td>11</td><td>11</td></tr></table>
3.4.4	Number of Ph.D.s awarded per teacher during the last five years 3.4.4.1. How many Ph.Ds are awarded within last 5 years Answer before DVV Verification : 853 Answer after DVV Verification: 837 3.4.4.2. Number of teachers recognized as guides during the last five years Answer before DVV Verification : 182
3.4.5	Number of research papers per teacher in the Journals notified on UGC website during the last five years 3.4.5.1. Number of research papers in the Journals notified on UGC website during the last five years Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
351	347	291	320	338

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
348	343	289	316	335

Remark : DVV has not considered those journals which are not in UGC list. DVV has counted one research papers once for a year.

3.4.6	Number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings per teacher during the last five years 3.4.6.1. Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings year-wise during the last five years Answer before DVV Verification: <table><tr><td>2018-19</td><td>2017-18</td><td>2016-17</td><td>2015-16</td><td>2014-15</td></tr><tr><td>237</td><td>311</td><td>268</td><td>335</td><td>266</td></tr></table> Answer After DVV Verification : <table><tr><td>2018-19</td><td>2017-18</td><td>2016-17</td><td>2015-16</td><td>2014-15</td></tr><tr><td>235</td><td>309</td><td>267</td><td>334</td><td>264</td></tr></table> Remark : DVV has not consider first page of book without ISBN/ISSN number. DVV has counted one books and chapteronce for a year.

Number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings per teacher during the last five years

3.4.6.1. Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
237	311	268	335	266

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
235	309	267	334	264

Remark : DVV has not consider first page of book without ISBN/ISSN number. DVV has counted one books and chapteronce for a year.

3.5.2   Revenue generated from consultancy during the last five years

3.5.2.1. Total amount generated from consultancy year-wise during the last five years (INR in Lakhs)

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
28.167	43.7332	47.2535	26.587	16.85

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
24.98	29.31	34.10	16.93	15.39

Remark : DVV has not considered grants received for research project, DST and own registrar.

3.6.2	Number of awards and recognition received for extension activities from Government /recognised bodies during the last five years

3.6.2.1. Total number of awards and recognition received for extension activities from Government /recognised bodies year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
07	01	02	02	01

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
01	01	00	00	00

Remark : DVV has made the changes as per e-copy of awards provided by HEI.

3.6.3	Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the last five years

3.6.3.1. Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
03	17	07	01	04

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
03	12	04	01	04

3.6.4	Average percentage of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last five years

3.6.4.1. Total number of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
1094	1207	418	540	225

	Answer After DVV Verification :				
	2018-19	2017-18	2016-17	2015-16	2014-15
	864	437	403	540	90

3.7.2	Number of linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities etc. during the last five years

3.7.2.1. Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
245	73	236	52	46

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
90	45	190	38	39

3.7.3	Number of functional MoUs with institutions of National/ International importance, Other Institutions, Industries, Corporate houses etc., during the last five years (only functional MoUs with ongoing activities to be considered)

3.7.3.1. Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. year-wise during the last five years (only functional MoUs with ongoing activities to be considered)

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
29	25	05	01	01

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
27	25	04	01	01

Remark : DVV has not consider collaboration research for 2018-19 . Report of Council of Scientific Industrial Research, Government of India for 2018-19 not provide by HEI. DVV has not consider provided report of MOUs for 2016-17 without second party signature.

4.1.4	Average percentage of budget allocation, excluding salary for infrastructure augmentation during the last five years.

4.1.4.1. Budget allocation for infrastructure augmentation, excluding salary year-wise during the last five years (INR in Lakhs)

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
1220.0	900	350	550	1025

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
850.00	850.00	270.00	390.00	420.00

Remark : DVV has made the changes as pe expenditure of building and new equipment (allocation) duly signed by finance officer.

| 4.2.4 | Average annual expenditure for purchase of books and journals during the last five years (INR in Lakhs)

4.2.4.1. Annual expenditure for purchase of books and journals year-wise during the last five years (INR in Lakhs)
Answer before DVV Verification:

| 2018-19 | 2017-18 | 2016-17 | 2015-16 | 2014-15 |
\|---\|---\|---\|---\|---\|
| 1.839 | 66.862 | 14.333 | 18.251 | 19.284 |

Answer After DVV Verification :

| 2018-19 | 2017-18 | 2016-17 | 2015-16 | 2014-15 |
\|---\|---\|---\|---\|---\|
1.84	66.86	14.33	9.25	19.284 | Remark : DVV has made the changes as per invoice of books and journals for 2017-18 provided by HEI.
4.2.6	Percentage per day usage of library by teachers and students 4.2.6.1. Number of teachers and students using library per day over last one year Answer before DVV Verification : 550 Answer after DVV Verification: 189 Remark : DVV has made the changes as per average of students using library per day on 20/08/2018, 21/08/2018, 22/08/2018, 23/08/2018 and 24/08/2018.
5.1.1	Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years 5.1.1.1. Number of students benefited by scholarships and freeships provided by the Government year-wise during the last five years Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
826	746	902	1016	1079

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
783	703	859	973	1036

Remark : DVV has made the changes as per list of students benefited by scholarships provided by HEI.

5.1.4	Average percentage of students benefited by guidance for competitive examinations and career counselling offered by the institution during the last five years

5.1.4.1. Number of students benefited by guidance for competitive examinations and career counselling offered by the institution year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
584	473	1085	452	376

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
485	374	955	347	263

Remark : DVV has not considered students benefited by Cycling, yoga and meditation , Yoga and stress management.

5.2.1	Average percentage of placement of outgoing students during the last five years

5.2.1.1. Number of outgoing students placed year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
126	121	248	192	77

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
126	83	248	48	39

Remark : DVV has made the changes as per pro-rata basis of provided placement certificate by HEI.

27-08-2020 07:53:38

5.2.2	Percentage of student progression to higher education (previous graduating batch)
	5.2.2.1. Number of outgoing students progressing to higher education Answer before DVV Verification : 112 Answer after DVV Verification: 96 Remark : DVV has made the changes as per pro-rata basis of provided ids of student by HEI.
5.3.1	Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one) during the last five years 5.3.1.1. Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one) year-wise during the last five years Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
34	05	14	11	17

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
16	05	07	07	02

5.3.3	Average number of sports and cultural activities / competitions organised at the institution level per year 5.3.3.1. Number of sports and cultural activities / competitions organised at the institution level year-wise during the last five years Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
43	39	35	36	35

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
19	14	11	10	10

5.4.3	Number of Alumni Association / Chapters meetings held during the last five years 5.4.3.1. Number of Alumni Association /Chapters meetings held year-wise during the last five years Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15

27-08-2020 07:53:38

| 17 | 17 | 05 | 05 | 04 |

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
16	09	05	05	04

6.3.2	Average percentage of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the last five years

6.3.2.1. Number of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
15	20	14	22	09

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
0	1	0	1	0

Remark : DVV has made the changes as per sanction letter for 2015-16 and 2017-18 provided by HEI and DVV has not considered request letter.

6.3.3	Average number of professional development / administrative training programs organized by the University for teaching and non teaching staff during the last five years

6.3.3.1. Total number of professional development / administrative training programs organized by the Institution for teaching and non teaching staff year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
18	12	22	14	23

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
17	10	16	13	20

6.3.4	Average percentage of teachers attending professional development programs viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Program during the last five years

6.3.4.1. Total number of teachers attending professional development programs, viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Programs year-wise during the

last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
53	67	72	53	41

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
41	45	54	44	29

6.4.2 Funds / Grants received from non-government bodies, individuals, Philanthropists during the last five years (not covered in Criterion III) (INR in Lakhs)

6.4.2.1. Total Grants received from non-government bodies, individuals, philanthropists year-wise during the last five years (INR in Lakhs)

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
291.3	1.87	1.69	9.71	10.22

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
291.4	1.87	1.69	9.71	9.91

Remark : DVV has made the changes as per Copy of letter of grants received from non-government by HEI.

6.5.3 Average number of quality initiatives by IQAC for promoting quality culture per year

6.5.3.1. Number of quality initiatives by IQAC for promoting quality year-wise for the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
24	10	08	10	20

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
16	04	05	04	11

6.5.4 Quality assurance initiatives of the institution include

1. Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual

Quality Assurance Report (AQAR) to NAAC; Feedback collected, analysed and used for improvements

2. Academic Administrative Audit (AAA) and initiation of follow up action
3. Participation in NIRF
4. ISO Certification
5. NBA or any other quality audit

Answer before DVV Verification : Any 4 of the above
Answer After DVV Verification: Any 3 of the above

Remark : DVV has made the changes as per Academic administrative audit report provided by HEI.

7.1.1	Number of gender equity promotion programs organized by the institution during the last five years

7.1.1.1. Number of gender equity promotion programs organized by the institution year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
05	15	08	08	05

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
05	12	07	07	04

7.1.3	Percentage of annual power requirement of the Institution met by the renewable energy sources

7.1.3.1. Annual power requirement met by renewable energy sources (in KWH)
Answer before DVV Verification : 92662
Answer after DVV Verification: 144000
7.1.3.2. Total annual power requirement (in KWH)
Answer before DVV Verification : 2956929
Answer after DVV Verification: 2956929

Remark : DVV has made the changes as per provided energy audit report by HEI.

7.1.10	Number of Specific initiatives to address locational advantages and disadvantages during the last five years 7.1.10.1. Number of specific initiatives to address locational advantages and disadvantages year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
11	19	11	11	9

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
5	2	3	3	3

7.1.11	Number of initiatives taken to engage with and contribute to local community during the last five years (Not addressed elsewhere)

7.1.11.1. Number of initiatives taken to engage with and contribute to local community year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
22	23	23	06	11

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
19	16	22	03	05

7.1.17	Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties during the last five years

7.1.17.1. Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
04	20	15	10	04

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
04	19	14	08	04

2.Extended Profile Deviations

ID	Extended Questions
1.2	Number of departments offering academic programes Answer before DVV Verification : 24 Answer after DVV Verification : 72
2.2	Number of outgoing / final year students year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
786	685	892	963	1010

Answer After DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
719	630	857	845	909

3.2	Number of full time teachers year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
189	197	205	213	226

Answer After DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
188	196	204	212	225

4.4	Total number of computers in the campus for academic purpose Answer before DVV Verification : 949 Answer after DVV Verification : 240

27-08-2020 07:53:39