

ANNUAL QUALITY ASSURANCE REPORT

2011 – 2012

Submitted to
National Assessment and Accreditation Council
Bangalore



**INTERNAL QUALITY ASSURANCE CELL (IQAC)
MANONMANIAM SUNDARANAR UNIVERSITY
TIRUNELVELI – 627 012.
TAMIL NADU**

ANNUAL QUALITY ASSURANCE REPORT (AQAR)

Name of the Institution: MANONMANIAM SUNDARANAR UNIVERSITY,
Tirunelveli – 627 012 TAMIL NADU

Vice – Chancellor : CONVENOR
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YEAR OF REPORT: July 2011 – June 2012

Section: A

The plan of action chalked out by the IQAC in the beginning of the report year towards quality enhancement.

- ▶ To strengthen the infrastructure facilities.
- ▶ To help the poor students by providing them education at a reduced cost.
- ▶ To enhance the admission in Distance Education.
- ▶ To sign MoUs with National and International organizations to launch satellite courses which generate employment opportunity.
- ▶ To establish a new MANO college for providing higher education to poor students with the support of philanthropists.
- ▶ To recruit teachers to the vacant positions in University Departments.

Section – B :

1. Activities reflecting the goals and objectives of the institution

Goal of the Institution

“Knowledge is Power”

VISION AND MISSION OF THE UNIVERSITY

In pursuit of Excellence

“by providing quality education, especially for the rural and the unreached,”

“through innovation in teaching, research and Extension activities”,

“by promoting human values for social Harmony. ”

Objectives of the institution

1. To provide higher education to unreached sections of the society in Tirunelveli, Tuticorin and Kanyakumari districts.
2. To attain national goal of 15% GER in Education.
3. To offer new academic programmes
4. To organize collaborative programmes
5. To initiate Institution – Industry tie-ups
6. To improve quality culture in the University

2. New Academic Programmes Initiated (UG and PG)

- ▶ M.Sc. (Statistics with Informatics) degree course started from the academic year 2012-13 under the UGC Innovative Programme – Teaching & Research in Interdisciplinary & Emerging Areas with Department of Statistics and Centre for Information Technology, Manonmaniam Sundaranar University.
- ▶ M.Com (Accounting and Finance) with PG Diploma in Taxation Procedures.

3. Innovations in curricular design and transaction

- In the Department of Management, Curriculum was revised during this period and syllabus was modified according to the industry requirement. A special transaction was put forth in the syllabus to give hands on training to the students with the industry at least for 5 working days.
- New syllabus was framed for Two year M.Sc., Mathematics Programme from the Academic year 2012 - 2013.
- The syllabus for the M.Sc. Pharmaceutical Chemistry (CBCS) course has been scrutinized and revised and it is resolved to approve the revised syllabus for the M.Sc. Pharmaceutical Chemistry (CBCS) course in the Board of Studies meeting of Department of Pharmaceutical Chemistry held on 21.03.2013 with internal and external members and student representative.
- In the Department of Education Simulation Classes are conducted; Seminars are entertained to create confidence among the students.

4. Inter-disciplinary programmes started

- ▶ Supportive Courses are offered in all Departments for the benefit of students of other departments.
- ▶ M.Sc.degree in Statistics with Informatics was started from the academic year 2012-13 under the UGC Innovative Programme – Teaching & Research in Interdisciplinary & Emerging Areas with Department of Statistics and Centre for Information Technology, Manonmaniam Sundaranar University.

5. Examination reforms implemented

1. Introduced special supplementary exam system.
2. As per the order of Tamilnadu Government, on 26.02.2013 Dr A. Parasuraman Padmanaban from foreign University and Dr.Arockiasamy Arulanandu an International eminent Professor were invited to enrich syllabus.
3. Field studies, case analysis are prescribed as criteria for evaluation under Internal Assessment.
4. CBCS is being practiced.
5. Partial Automation is done in the Office of the Controller of examinations.

6. Candidates qualified: NET/SLET/GATE etc.

S.No	Name of the Course	Year	Name of the Student	Passed / Selected
1	UGC-NET/SET Batch- V	2011-2012	Fathima Parvin.M (Computer Science)	NET
2	UGC-NET/SET Batch- VI	2011-2012	R.Kavitha (Mathematics)	SET
3	UGC-NET/SET Batch- VI	2011-2012	A.Mallika (Mathematics)	SET
4	UGC-NET/SET Batch- VI	2011-2012	V. Ramanathan (Mathematics)	SET
5	UGC-NET/SET Batch- VI	2011-2012	S.Nithya (Mathematics)	SET
6	UGC-NET/SET Batch- VI	2011-2012	S. Veeramani (Mathematics)	SET
7	UGC-NET/SET Batch- VI	2011-2012	T. Gomathi (Mathematics)	SET

8	UGC-NET/SET Batch- VII	2011-2012	A.Lakshmi (Education)	NET
9	UGC-NET/SET Batch- VII	2011-2012	Rajesh (Education)	NET
10	UGC-NET/SET Batch- VII	2011-2012	Brainy (Tamil)	NET
11	UGC-NET/SET Batch- VII	2011-2012	Jansi (Education)	NET

7. Initiative towards faculty development programme

1. University faculty members attended various programs during the last academic year. Faculty members have also presented papers and acted as resource persons in the seminars and conferences conducted by various institutions across the country.
2. Stem Cell & Generative biology workshop was organized for faculty members of University / Institution .
3. Dr.S. Alamelumangai (Assistant Professor cum Assistant Director) of the Centre for Social Exclusion and Inclusive Policy has participated in the following Orientation and Training Courses:
 - a. Orientation Course (February 9th to March 8th 2011) – 28 Days, Bhararthyar University, Coimbatore).
 - b. Master Training Programme in Census 2011. (And also have experience of Conducting Training class for Enumerations of census data, 2011 & 3 Days From Tirunelveli Municipality Corporation, Tirunelveli).

Department of Sociology:

The following Visiting Fellows have interacted with Faculty Members, Research Scholars and Students:

SI.No	Name of the Faculty / Delegate	Period
1	Dr.M.Hanumantha Rao Professor of Sociology S.V.University, Tirupati	11.03.2012 - 17.03.2012 7 days
2	Dr.S.K.Chaudhury Associate Professor	19.03.2012 - 24.03.2012 6 days

Department of Sociology Lucknow University Lucknow, Uttar Pradesh	
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Department of Statistics

Dr. R. Sasikumar, Assistant Professor attended Orientation course during 09-06-2011 to 06-07-2011 at UGC – Academic Staff College, Bharathiar University, Coimbatore.

University Library:

1. Organized One Day Training Program with the District Differently Abled Welfare Department, Tirunelveli on 17.11.2011 at Manonmaniam Sundaranar University, Tirunelveli. The G.O copy sent to all the college Principals mail id.
2. Job Opportunities and Counseling was given by Radian IAS Academy in the Sundaranar Hall with the help of Mr. Ramesh, Director of Radian IAS Academy in our University on 27.02.2012
3. Organized National Seminar on Digital Library Era (NSDLE 2012) on 16th March 2012 in University.
4. INFLIBNET Regional Training Program in Library Automation (IRTPLA):
Manonmaniam Sundaranar University Library in collaboration with the Information and Library Network (INFLIBNET) Center, Ahmadabad conducted 2nd INFLIBNET REGIONAL TRAINING PROGRAM IN LIBRARY AUTOMATION (IRTPLA) from 26.03.2012 to 30.03.2012 in our University of campus. This program imparts hands-on training in library computerization focusing on the SOUL software developed by the INFLIBNET. Library professionals from Colleges, Universities and Research Organizations are encouraged to take part in this program.

8. Total number of seminars/workshops conducted:

S.No	Name of the Department / Faculty	Programme	Period
1.	Hindi	UGC sponsored National Seminar on "Eco – Aesthetics And Culture In the Contemporary Hindi Literature	2 nd March 2012

2.	Biotechnology / Dr.S. Sudhakar	Workshop conducted by the ILE Co, Madurai with new company name PALL Life Sciences, Bangalore	20.09.2011
		INSPIRE – Science Camp conducted	22 nd to 26 th May 2012 for 5 days
3.	Dr.S. Umamaheswari	National Seminar on Biotechnological Interventions in green technology for Sustainable Agriculture - BIGTSA -2011	23 rd to 25 th September 2011
4.	Department of Economics	Social Discrimination, Power Equations and Politics	2 days: 15 -16, 2012
5.	Department of History	National Seminar on “ Economic History of Modern Tamil Nadu (Since Independence)”	3 Days: 22, 23 & 24 August 2012
6.	Department of Physics	National Seminar on Advances in Materials Science (NSAMS – 2012)	23 - 24, Jan 2012
7.	Department of Physics	National Seminar on Structural Bioinformatics (NSSB-2012)	2 nd March 2012
8.	Department of Tamil	jkpopy; Gidfijfs;	10&11, February2011
9..	Department of Tamil	njhy;fhg;gpa ,yf;fzf; Nfhl;ghLfSk; jkpo; ,yf;fz tsu;r;rpapy; mtw;wpd; gq;fspg;Gk;	3 &4, March 2011
10.	Department of Tamil	kWgf;fk; - ehty; (jpwdha;Tf; fUj;juq;fk;)	8 th October 2011
11.	Department of Tamil	mjq;Nfhl;L Mrhd; cau;epiy gs;spapy; njhy;fhg;gpak; kd;wk; (Mwhk; Njrpaf; fUj;juq;F kd;wk;)	18 th December 2011
12.	Department of Tamil	jf;fiy gPu; KfkJ mg;gh ,yf;fpa cauha;Tg; gz;ghl;Lf; fUj;juq;fk;	9&10 January 2012
13.	Department of Tamil	nrk;nkhopj; jkpo; ,yf;fz ,yf;fpag; gioa ciufs;	27-29, February – 2012
14.	Department of Tamil	njhy;ypay; Mtzq;fSk; jkpo;g; gz;ghl;L kuGfSk; (Njrpaf; fUj;juq;fk;)	27&28, March, 2012

15.	Department of Education	National Conference on Education for Environmental Sustainability : concerns and challenges Total no. of paper presenters : 98	9 th & 10 th March 2012
16.	Department of Education	One day Workshop on Developing Audio-Visual Aids in Science	16 th March 2012
17.	Department of Education	Workshop on SPSS for M.Ed. students	Feb.2012
18.	Department of Education	A Series of Lecturer Programme in English for Enhancement	14-31 March 2012
19.	Department of Education	A Three day workshop experiment in educational psychology	10-11 March 2012
20.	Department of Pharmaceutical Chemistry	One day National Seminar on "Emerging Trends in Pharmaceutical Chemistry (ETPC-2012)"	March 2012
21	Department of Statistics	UGC sponsored Two-day National Conference on Bayesian Statistics and Its Applications	9&10 th November 2011
22	Department of Statistics	Two-day Workshop on Applications of SPSS for Statistical Data Analysis to the Faculties and Research Scholars	27&28 th February 2012
23	Department of Geo-Technology	Organized the two days UGC Merged scheme workshop on "Geospatial Technology developments in natural resource and disaster management"	23&24 th 2012.

9. Research projects a) Ongoing; b) Completed

1. Department of Communication:

Title of the Project	Funding Agency	Grant sanctioned	Duration		Project Status completed/ On-going	Project Type: Research/ Consultancy/ Action Research
			From	To		

Special Assistance Programme – DRS-I, Dept. of Communication	UGC	25.17 Lakhs	2007	2012	Ongoing	Trust Area Research: 1. ICT & Women Empowerment 2. Impact of ETV in Media
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2. Department of Bio-Technology

S.No	Title of the Scheme/ Project	Name of the Investigator
1.	Ongoing : 3 1. DST funding for stem cell research in earthworm RS.20 lakhs 2. DBT funded Lamin A protein functional Studies Rs.50 Lakhs 3. DBT funded gene silencing research in Earthworm Rs.35 Lakhs 4. UGC research project for studying prostate cancer Rs.10 Lakhs 5. DBT funding for met genomics of earthworm gut micro flora Rs.55 Lakhs	Dr. S. Sudhakar
	Collaborative Project : 01 1. Studies on the Syntheses, DNA Binding, and Anticancer Activity of Some 12 – Thiasteroids and Steroidal Analogues – UGC – Rs.10 Lakhs.	
2	Ongoing : 3 1. UGC, New Delhi (Rs.8,94,300/-) for earthworm survey research 2. CSIR, New Delhi (Rs.23,00,000/-) for research on management and suitable crop selection in dyeing effluent irrigation 3. ICMR fund of Rs.30 Lakh for phage research to cure human intestinal infection.	

Department of Mathematics

Research Projects:

S.No	Name of the Faculty	Ongoing	Completed	Amount sanctioned	Funding Agency
1	Dr. T. Tamizh Chelvam	-	1	10,96,548 (2011 -2012)	DST

Department of English:

Sl. No.	Title of the Scheme/ Project	Name of the Investigator	Sponsored by	Total Amount Sanctioned
1	Narratives on cultural Identity	Dr.S. Prabahar	MSU unassigned grant	25,000
2	Women in Cankam Literature	Dr.P.K.Kalyani	Central Institute of Classical Tamil	One Lakh Completed
3	Diasporic Aesthetics	Dr.P.K. Kalyani	UGC	One lakh on Going
4	Developing Communicative competence of English of MSU area	Dr.R. Ramesh	UGC	Five Lakh completed
5	Psychology of suffering and recovery : A study of the works of Amy Carmichael	Dr. J. Jenitha	MSU Seed money project	25,000

Department of Commerce:

- a) ICSSR – (Major Project) – 1. Socio - economic Empowerment of women through microenterprises on Southern Districts of TamilNadu.
- (b) ICSSR – (Major Project) – 1. Employment generation, poverty alleviation and empowerment of rural poor through SHG Bank Linkage Model in Krishnagiri District.

Completed Research Projects:

S.No	Title of the Project	Name of the Funding Agency
1	UGC Project on "Influence of Cognitive Self - Management and Emotional Intelligence on Teaching Competency of B.Ed. Students in distance education" by Dr.C.Ramesh, Department of Education.	UGC

2	CICT Project on “Canka Illakkiya Urai Aciriyanka Unarttum Ilakkanak Kurippukal - Tokkuppum ayuvu” by Dr.S. Alagesan, Professor and Head, Department of Tamil.	CICT
3	UGC Minor Research Project on “Influence of Emotional Intelligence and Thinking Styles on Decision Making among B.Ed. Distance Education Students” by Dr.H.Deepa, Assistant Professor, Department of Education's (DD & CE – B.ED).	UGC

Department of Education

Ongoing:

- “ Bringing Awareness on Basis Science, Basic Science course & its Prospects among the Parents of Prospective tertiary level students” by Dr.B.William Dharama Raja (**Major Project**)

10. Patents Generated, if any

Novel broad spectrum anti-bacterial substance isolated from *Glycyrrhiza glabra* and its applications as mouthwash is patented by Department of Bio - technology.

11. New Collaborative Research Programmes and Network Projects

- The communication department is offering M.Phil and Ph.D. in Communication to enable students from this region to qualify themselves for higher learning. Many students have enrolled themselves for research and the university provides stipend for those who are not in receipt of any other supportive funding or fellowships.
- Department of Bio-Technology has established a Collaborative research Project with Prof.Kumaresan on the “Studies on the Syntheses, DNA Binding-, and Anticancer Activity of some 12-Thiasteroids and Steroidal Analogues” – UGC – Rs.10 Lakhs.
- The Centre for Social Exclusion and Inclusive Policy has established Collaboration with University of Giessen, Germany.

12. Research grants received from various agencies And Consultative Programmes

(i) Department of Mathematics

S.No	Name of the Research Grant	Name of the Agency	Grants Received
1	NBHM – Library Grant	Department of Atomic Energy	3,70,000 (2011- 2012)
2	SAP – Grant	UGC	3.45 lakhs (2011-2012)

(ii) Department of Sociology:

The Centre for Women's Studies has been sanctioned a financial grant of Rs. 33 lakhs.

13. Details of research scholars

Details of Research Scholars in University Departments(2011-2012)

S.No	Subject	Full Time	Part Time
1	Tamil	---	8
2	English	3	3
3	Education	2	13
4	Economics	1	3
5	Sociology	2	1
6	History	---	3
7	Physics	5	---
8	Chemistry	1	1
9	Mathematics	2	2
10	Criminology & Criminal Justice	2	2
11	Communication	---	2
12	Commerce	2	12
13	Zoology	---	1
14	Library and Information Science	3	6
15	Marine Biotechnology	1	---
16	Computer Science and Engineering	3	10
17	Biotechnology	2	---
18	Statistics	1	---
19	Physical Education	---	6

20	Software Engineering	---	1
21	Computer Science	1	3
22	Business Administration	1	11
23	Computer Application	---	3
24	Hindi	2	1
25	Computer & Information Technology	---	5
26	Applied Geophysics	2	---
27	Psychology	---	1
28	Environmental Biotechnology	1	---
29	Botany	---	1
30	Botany – Environmental Science	1	---
31	Information Security - Computer Science & Engineering	---	1
32	Marine Biotechnology – Zoology	1	---
33	Zoology – Aquaculture	1	---
34	Microbiology – Life Science	1	---
35	Biotechnology – Microbiology	1	---
36	Biotechnology- Molecular Biology	1	---
37	Microbiology – Environmental Science	1	1
38	Applied Electronics - Computer Science & Engineering	---	2
39	Network – Computer Science & Engineering	---	1
40	Microbiology - Zoology	---	1
41	Biotechnology - Zoology	1	1
42	Biotechnology – Life Science	1	---
43	Environmental Biotechnology - Zoology	1	---
44	Biotechnology – Environmental Science	3	---
45	Zoology – Environmental Science	1	---
46	English – Sociology	---	1
	Total	51	107

14. Citation index and impact factor of publications and H Index of faculty members

Department of Bio-Technology:

1. Johnson Retnaraj, S.C.Elaiya Raja,S., Beryl Vedha,Y., Edith Arul Jane, A., Amutha, K., Dinesh, S.M., Jackson Durairaj, S.C., Kalidas, R., Pitchumani, K., Tharmaraj, V and **Sudhakar**, S. Auto fluorescence in BrdU positive cells and augmentation of regeneration kinetics by riboflavin. Stem Cells and Development, July 20, 2012, 21(11): 2071-2083. doi: 10.1089/scd.2011.0485. **(Impact factor:5)**
2. S. Mariappan*, S Nagoor Meeran Mydeen*, S. Johnson Retnaraj Samuel*, J. Jegathambigai, K. Emmanuvel rajan, **S. Sudhakar**. Bacillus sp causing

abscessation in Sheep and Goat population. Current Science, October 25, 2012, 103(8). **(Impact factor: 1.0)*** Authors with equal contribution.

3. Y.Beryl Vedha, T.Pon Amutha, L. Durga Devi, S. Johnson Retnaraj Samuel, S. Emmanuel Joshua Jebasingh, **S. Sudhakar**. Unique Phenotypes in the Sperm of the Earthworm *Eudrilus eugeniae* for Assessing Radiation Hazards. Environmental Monitoring and Assessment. June, 2013, 185(6): 4745- 4752. DOI 10.1007/s10661- 012-2901-9 **(Impact factor : 1.4)**.

Department of History:

Dr. B. Maria John

1. "Zamindari system in Tirunelveli District" South Indian Congress History proceedings ISSN 2229-3671/ Chennai 2012.

Dr.K. Murugiah

1. Published a paper on "Forts and Fortification – a Historical Perspectives" in Research EXPO International Multi disciplinary Research Journal. ISSN: 2250 – 1630, June 2012.
2. Published a paper on "Agricultural Issues in India – A study" in Good Governance and Sustainable Development. ISBN: 978-93-81992-10-4/2012.
3. Published a paper on "Modern Library Services in the present Scenario in National Seminar on Digital Library Era (NSDLE 2012) ISBN 978-93-81402-24-5.
4. Historical Readings on the Mission of Col. Mackenzie And Kavali Brothers – Trend setters in South Indian Historical Writing in Progress of Historical Research and Writing in History in The 20th Century. ISBN: 978-81-908910-2-8, 2012.
5. Published a paper on "Impact of e-learning and m-learning in education in Quality concerns of Teacher Education in the Technological Era. ISBN No: 978-93-80481-10-4 24th & 25th Feb 2012.
6. Published a paper on " Kanchchiyappa's Kandapuram and Murugan Cult in South Indian History Congress / Chennai 2012. ISSN 2229-3671.
7. Published a paper on "Subaltern Heroes of Eighteenth Century Tamil Nadu as Gleaned from Tamil folk Lones and Ballads in the Quarter Journal of the Mythic Society – April – June 2012, ISSN 0047-8555.
8. Published a paper on " C.N.Annadurai – An amazing Leader in C.N.Annadurai The Architect of Tamil Nadu Politics, 2012, ISBN 978-81-920484-1-3.
9. Published a paper on "Mitigating Global Warming" in Education for Environmental Sustainability: Concerns and Challenges. ISBN: 978-81-909565-4-3, March 2012.

Department of Mathematics:

1. **Tamizh Chelvam, T.** and Asir, T.: on the total graph and its complement of a commutative ring, To appear in Communications in Algebra, preprint, 2012(www.manuscriptcentral.com),LAGB20113058, March 19, 2012). **(I.F.O. 347)**.
2. Asir, T. and **Tamizh Chelvam, T.**: On the intersection graph of gamma sets In the total graph of a communicative ring-II, Journal of Algebra and its Applications, 12(4) (2012), 1250199 (14 pages) (DOI:10.1142/SO21949881250199X). **(I.F:0.48 and C.I:0)**
3. **Tamizh Chelvam, T.** and Asir,: on the intersection graph of gamma sets in the total graph of a communicative ring-I, Journal of Algebra and its Applications, 12(4)(2012),1250198 (18pages) (DOI: 10.1142/SO219498812501988) . **(I.F: 0.48 and C.I:3)**
4. **Tamizh Chelvam,T.,** and Sivagnanam Mutharasu.: Efficient open domination in Cayley graphs, Applied Mathematics Letters **25** (2012), 1560-15643 (Elsevier Ltd, <http://dx.doi.org/10.1016/j.aml.2011.12.036>). **(I.F:1.501 and C.I:0)**
5. **Tamizh Chelvam, T.** and Asir, T.: Intersection graph of gamma sets in total graph, Discussiones Mathematicae in graph Theory, **32** (2012), 339-354 (doi: 10.7151/dmgt.1611). **(C.I:2)**
6. Tamizh Chelvam,T. and Kalaimurugan, G.:Domination in Cayley graph on Dihedral groups, open journal of Discrete Mathematics, 2 (2012), 5-10 (dol: 10.4236/ojdm.2012. 21002, <http://www.SciRP.org/journal/ojdm>). **(C.I:2)**
7. **Tamizh Chelvam, T.** and Asir, T.:Domination in the Total Graph on Z_n , Discrete Mathematics, Algorithms and Applications, **3(4)** (2011), 413-421, (DOI: 10.1142/S1793830911001309). **(C.I:2)**
8. **Tamizh Chelvam, T.,** and Asir, T.: A note on total graph of Z_n , Journal of Discrete Mathematics Sciences and Cryptography **14(1)**, (2011), 1-7. (<http://dx.doi.org/10.1080/09720529.2011.10698320>). **(C.I:1)**
9. **Tamizh Chelvam, T.** and Asir, T.,: On the total graph and its complement of a commutative ring, To appear in Communications in Algebra, preprint, 2012 (www.manuscriptcentral.com, LAGB – 2011 - 3058, March 19, 2012). **(I.F.O.347)**

10. **Tamizh Chelvam, T.** and Asir, T.: Domination in the total graph of a commutative ring, To appear in Journal of Combinatorial Mathematics and Combinatorial Computing, preprint, 2012.
11. **Tamizh Chelvam, T.** and Selvakumar, K.: Central sets in the annihilating graph of a commutative ring, To appear in Journal of Combinatorial Mathematics and Mathematical Computing, preprint, 2012.
12. **Tamizh Chelvam, T.** and Sattanathan, M.: Power graph of finite abelian groups, To appear in Algebra and Discrete Mathematics – Journal, preprint 2012 (<http://adm.luguniv.edu.ua>).
13. Asir, T. and **Tamizh Chelvam, T.:** On the intersection graph of gamma sets in the total graph of a commutative ring-II, Journal of Algebra and its Applications, 12(4) (2012), 1250199 (14 pages) (DOI: 10.1142/S021949881250199X). **(I.F:0.48 and C.I:0)**
14. **Tamizh Chelvam, T.** and Asir, T.,: On the intersection graph of gamma sets in the total graph of a commutative ring-1, Journal of Algebra and its Applications, 12(4) (2012), 1250198 (18 pages) (DOI: 10.1142/S0219498812501988). **(I.F:0.48 and C.I.:3).**
15. Tamizh Chelvam,T., and Sivagnanam Mutharasu.,: Efficient open domination in Cayley graphs, Applied Mathematics Letters 25 (2012), 1560-1564 (Elsevier Ltd, <http://dx.doi.org/10.1016/j.aml.2011.12.036>). **(I.F:1.501 and C.I :0)**
16. **Tamizh ChelvamT.,** and Asir, T.,: Graphs with constant sum of domination and inverse domination numbers, International Journal of Combinatorics, 2012, Article ID 831489, doi: 10.1155/2012/831489(<http://www.hindawi.com/journals/ijct/2012/831489>).
17. **Vijaya Samundeeswari, V., and Tamizh Chelvam, T.:** A Statistical – Based Map Matching Algorithm, International Journal of Computers & Technology, 3(3), Nov-Dec,2012,439-445, www.cirworld.com.
18. **Tamizh Chelvam,T.** and Sattanathan. M.,: On the subgroup intersection graph of finite abelian groups, Transactions on Combinatorics, 1(3),2012,5-10.
19. **Tamizh Chelvam,T.** and Sivagnanam Mutharasu, Bounds for Domination Parameters in Circulant Graphs, Advanced Studies in Contemporary Mathematics, 22(4), 2012, 525-529.

20. **Tamizh Chelvam, T.**, Selvakumar, K.,: On the intersection graph of gamma sets in the zero divisor graph, *Journal of Advanced Research in Pure Mathematics*, 4 (4) 2012, 57-66, (doi:10.5373/jarpm.1183.112111).
21. **Tamizh Chelvam, T.** and Asir, T.: intersection graph of gamma sets in total graph, *Discussiones Mathematicae in Graph Theory*, 32(2012), 339-354 (doi: 10.7151/dmgt.16111). **(C.I:2)**.
22. **Tamizh Chelvam, T.** , kalaimurugan, G and Well Y. Chou.,: Signed star domination number of Cayley graphs, *Discrete Mathematics, Algorithms and Applications*, **4(2)** 2012, 1250017 (10 pages) (DOI: 10.1142/S1793830912500176).
23. **Tamizh Chelvam, T.**, and Kalaimurugan, G.: Domination in Cayley graph on Dihedral groups, *Open Journal of Discrete Mathematics*, 2 (2012), 5-10 (doi: 10.4236/ojdm.2012.21002, <http://www.SciRP.org/journal/ojdm>). **(C.I:2)**.
24. Silviya, S, Balakrishnan, R and **Tamizh Chelvam, T.**,: Strong S_1 – Near –rings, *The Mathematics Education* , **XLVI (3)**, September 2012.
25. **Tamizh Chelvam ,T.**, Raja, S., and Gutman, I.: Strongly regular Circulant graphs and their energies, *Bulletin of International Mathematical Virtual Institute*, **2** (2012), 9-16.
26. S. Somasundaram, P. Vidhyarani and S.S.Sandhya: Some Results on Geometric mean Graphs, *International Journal of Mathematical Forum*, 7 (28) (2012), 1381 -1391.
27. S. Somasundaram, P. Vidhyarani and S.S. Sandhya: Skolem Geometric Mean Labelings of Graphs, *International Journal of Mathematics Research*, 4(3) (2012), 235-244.
28. S. Somasundaram, P. Vidhyarani and S.S.Sandhya; Some new Families of Skolem Geometric Mena Graphs, *Global Journal of Theoretical and Applied Mathematics Sceinces*, 2(2) (2012), 121-127.
29. S.S. Sandhya, S. Somasundaram and R. Ponraj; Some Results on Harmonic Mean Graphs, *International Journal of Contemporary Mathematical Sciences*, vol.7, No.4, 2012, p.197-208.
30. S.S. Sandhya, S.Somasundaram and R. Ponraj: Some more Results on Harmonic Mean Graphs, *Journal of Mathematics Research* vo.4, No.1, 2012 p.21-29.

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32. S. Somasundaram, S.S. Sandhya and P.Vidyarani; Some New Families of Skolem Geometric mean Graphs, Global Journal of Theoretical and Applied Mathematics Sciences, 2 (2) (2012), 121-127.
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Department of Sociology:

Publication of Books

1. M. Ramakrishnan and N. Kannan (ed), **Globalisation and the Indian Labour Force: Changes and Challenges** Publication Division, Manonmaniam Sundaranar University, Tirunelveli, 2011.
ISBN: 978-93-81402-21-4.

Publication of Articles

1. S.P. Kalabarani and M. Ramakrishnan, *Globalisation and its Impact on Indian Economy*, in M. Ramakrishnan and N. Kannan (Ed) *Globalisation and the Indian Labour Force: Changes and Challenges*, Publication Division, Manonmaniam Sundaranar University, Tirunelveli -2011.
ISBN: 978-93-81402-21-4.
2. M. Ramakrishnan, *Feminisation of Labour: The Parasitic Influences on the Victims in Focus*, in M. Ramakrishnan & N. Kannan (Ed), *Globalisation and the Indian Labour Force: Changes and Challenges*, Publication Division, Manonmaniam Sundaranar University, Tirunelveli -2011.
ISBN: 978-93-81402-21-4.
3. P. Elias and M. Ramakrishnan, *Crisis in Plantation Sector: Tea Industry and its Labour Force*, in M. Ramakrishnan and N. Kannan (Ed), *Globalisation and the Indian Labour Force: Changes and Challenges*, Publication Division, Manonmaniam Sundaranar University, Tirunelveli - 2011. ISBN: 978-93-81402-21-4.
4. S. Lawyed Stephen and M. Ramakrishnan, *A Case Study on Usage of Internet Journal of Library Advancements*, (Bi annual Peer Reviewed Journal), Vol. No: 1, Issue 1, August 2011. ISSN: 2249-3956
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Department of Pharmaceutical Chemistry

1. Synthesis, characterization and Pharmacological studies of copper complexes
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S.Gopalakrishnan and T. Linda Fernando, *Bulletin of Material science* (2011).
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23. Development of RP-HPLC method for the simultaneous estimation of Ambroxol hydrochloride Cetrizine hydrochloride and Antimicrobial preservatives in combined dosage form., S. Gopalakrishnan , A. Aruna, T.A.Chitra and **A. Chenthilnathan**, *Der Pharma Chemica*. 3(3):470-476, (2011) (ISSN: 0975-413X).
24. Niosomes – a novel drug delivery device, S. Gopalakrishnan and **A. Chenthilnathan**, *Research Journal of Pharmaceutical, Biological and Chemical Sciences*. 3(3): 1090-1098. (ISSN: 0975-8585).
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15. Honors / Award to the faculty

S.No	Name of the faculty & Department	Award/Achievement/Recognition
1	Dr.S. Alagesan Department of Tamil	Tholkaapiyar Award
2.	Dr.A.Bhawaani, Department of Hindi	“Sindu Shilkshak” – Tamil Nadu Hindi Academim (B)
3.	Dr. J. Sacratees, Department of Economics	Best Research paper award was given to Dr.J.Sacratees by Indian Institute of Science, Bangalore (2012).
4.	Department of Bio – Technology	The Society for Earthworm Ecology & Environmental Research (SEEER)
5.	Dr. M. Ramakrishnan Department of Sociology	Conferred with the award “Best Citizen of India” by the International Publishing Company, New Delhi.
6.	Dr. N. Kannan Department of Sociology	Chaired a session on Second International Conference of the South Asian Society of Criminology and Victimology on January 11-13, 2013 in Kanyakumari.
7.	Dr.S. Mookiah Centre for Social Exclusion and Inclusive Policy	Best Paper Awarded by 31 st Tamilnadu Economist Association Conference held at Gopichettipalayam 2011.
8.	Dr. P. Ravi Department of Management Studies	Best Paper award at IIM Ranchi on '13-14, August 2012.
9.	Dr. N. Rajalingam Department of Management Studies	Chairperson, International Seminar on Health Economics – Perspectives, Awareness & Challenges, 8 th February 2013.
10.	Dr.G. Magesh Kuttalam Department of Management Studies	Best Paper award at IIM Ranchi on '13-14 August 2012'.
11.	Dr.C. Thilakam Department of Commerce	► Bharath Shiksha Award ► Best Paper Award
12.	Dr.M. Kanmani Department of Education	Advisory Board Member
13.	Dr.B. William Dharma Raja Department of Education	Editorial Board Member

16. Internal resources generated and facilities created

No	Particulars	Budget Estimate (in Rs.)	Grand Total (in Rs.)
1	Bank Building	1,00,000	1,13,556
2	Canteen	90,000	61,120
3	Xerox (Room Rent)	7,000	8,025
5	Guest House Rent	7,000	45,800
Publication:			
1	Sale of Text Books	3,50,000	3,24,899
2	Sale of Syllabus	20,000	16,580
3	Royalty from Publishers	1,50,000	52,838.30
Auxiliary Charges:			
1	Electricity Charges	4,00,000	5,56,493
2	Van & Bus fare collection	3,00,000	1,87,870
3	Library overdue charges	50,000	73,527
5	Fuel Charges reimbursement	15,000	6,528
Miscellaneous:			
1	Sale of Applications	18,00,000	12,59,754
2	Sale of Tender Forms	50,000	55,450
3	Sale of Miscellaneous items	9,00,000	8,60,748
4	Recovery over Payment	5,20,000	5,70,251
5	FPF Contribution	2,00,000	1,44,300
6	Institutional Charges	25,00,000	7,77,778
7	Sale of Mango Compost/ Mushro	50,000	4,035
8	Right Information Act	1,000	4,871
9	Registration fee two days workshop capacity building	13,00,000	7,20,188
10	Sale of Variable items	5,35,000	7,400
11	Health Insurance	50,000	1,12,630

17. Details of departments getting assistance / recognition under SAP, COSIST (ASIST)/DST- FIST, and other programmes and Potential for Excellence (Non - SAP Grants)

Department of Mathematics

S.No	Assistance	Amount
1	NBHM	3,30,000 (2011-2012)

Department of Sociology:

The Department of Sociology has been selected by the University Grants Commission for Financial Support under the Special Assistance Programme SAP-DRS1. The UGC has sanctioned a sum of 34 lakhs to the Department under the SAP Programme.

18. Community services and Extension Programmes

Department of Bio-Technology

1. Training to self Help Members on Vermi compost production, Mushroom cultivation with the aim of self employment.
2. India is a rich repository of sheep genetic resources and its diversity. Here, sheep is the major source of meat and wool; goats are reared for meat and milk. Disease out-breaks cause large economic losses each year due to the high rates of mortality and morbidity in infected sheep and goats. In the present work, abscess in the sheep and goat population was studied. The size of the abscess increased gradually up to 6.5 +1.5 c.m in diameter: it became slight pinkish-red colour and then broke out. Also, the disease was specific to females. Gram staining performed with a thin section of the tissues of the abscess showed that the pathogen of the disease was a rod-shaped, Gram-positive bacteria. The bacterium from the abscess was isolated and the isolate was stored in the laboratory, named as 062011 msu. A series of biochemical experiments and the 16s rRNA sequence confirmed that the bacteria belonged to *Bacillus sp.* In vitro experiments with the pathogen showed that it was sensitive to tetracycline and ciprofloxacin. Administration of antibiotics in the infected animal for a week dissolved the abscess completely.

Department of Sociology: Outreach Programmes

The Department of Sociology organized an Outreach Programme for creating awareness on “Women’s Rights and Protection” by distributing pamphlets and enacting a street play on 8th March 2013 in a village in the eve of International Women’s Day, in collaboration with the Department of Communication, Manonmaniam Sundaranar University.

Department of Physics:

One day awareness programme on “Career Guidance & Empowerment of differently Abled persons (CGEDAP – 2012) held on March 30th, 2012.

(Dr. K. Mohanraj).

University Library:

1. Organized One Day Training Program with the District Differently Abled Welfare Department, Tirunelveli on 17.11.2011 at Manonmaniam Sundaranar University, Tirunelveli.
2. Organized a one day program on Job Opportunities and Councelling by Radian IAS Academy in the Sundaranar Hall with the help of Mr. Ramesh, Director of Radian IAS Academy in Manonmaniam Sundaranar University on 27.02.2012

NATIONAL SERVICE SCHEME

- ▶ World Population Day Competition for NSS Volunteers was jointly organized by NSS Cell of M.S.University and District Health Rural Development, Tirunelveli Campus on 7-7-2011.
- ▶ “The NSS Orientation Programme” inaugurated by the NSS Coordinator, Manonmaniam Sundaranar University at Sadakathullah Appa College, Palayamkottai on 29.7.2011. Organized by NSS Units of Sadakathullah Appa College, Palayamkottai.
- ▶ Organized Pre –RD Parade Preliminary Selection held at Anna Stadium, Palayamkottai on 7-9-2011. 5 NSS Volunteers from different colleges have been selected to represent our university in the Pre-RD Parade Camp to be held during 22nd to 31st October 2011 at Mar Gregorious Renewal Centre, Mar Ivanios College campus, Trivandrum.
- ▶ Blood Donation Camp was jointly organized by NSS Cell of M.S. University and NSS Units of Margoschis College, Pillayanmanai at College Campus on 16-9-2011.

- ▶ Voter's Awareness Rally was jointly organized by the NSS Cell of Manonmaniam Sundaranar University and St.John's College, Palayamkottai. The Rally was inaugurated by the NSS Coordinator of Manonmaniam Sundaranar University.
- ▶ Two Day Eye Camp was jointly organized by the NSS Units of Manonmaniam Sundaranar University and Dr.Agarwal's Eye Hospital, Tirunelveli at University Campus on 20- 10-2011 and 21-10-2011.
- ▶ Two day Oral Health Awareness and Free Dental Checkup Camp was jointly organized by the NSS Units of Manonmaniam Sundaranar University and Charli Dental Hospital, Tirunelveli at University Campus on 14-12-2011 and 15-12-2011.
- ▶ Road Safety Awareness Rally was jointly organized by the NSS Units of Aditanar College of Arts and Science, Tiruchendur and NSS Cell of Manonmaniam Sundaranar University on 6-1-2012 at Tiruchendur.
- ▶ One Day workshop on "Shaping the NSS Volunteers for Career" was jointly organized by the NSS Units and Career & Counseling Cell of Manonmaniam Sundaranar University at University Campus at 21-1-2012.
- ▶ Voter's Awareness Rally was jointly organized by the NSS Cell of Manonmaniam Sundaranar University and NSS Units of Aditanar College of Arts and Science at Tiruchendur on 15-1-2012.
- ▶ One Day workshop on "Celebrating Life Training" was jointly organized by the NSS, RRC of Manonmaniam Sundaranar University and Tamilnadu State AIDS Control Society, Chennai at University Campus on 22-2-1012.
- ▶ "University Level AIDS Awareness Cultural Competition" was jointly organized by the NSS Cell of Manonmaniam Sundaranar University and Tamilnadu State AIDS Control Society, Chennai at University Campus, Abishekapatti on 21st and 22nd March 2012. 260 NSS Volunteers from affiliated Colleges of Manonmaniam Sundaranar University participated in the competition.

19. Teachers and officers newly recruited

Department of Criminology and Criminal Justice

3 Temporary Lecturers were appointed.

Department of English:

Mr.K. Selvam was appointed as Temporary Lecturer for the period 16.09.2011 to 30.04.2012.

Women's Hostel:

Following posts are filled up:

1. Matron – 1
2. Care Taker – 1

20. Teaching-Non-Teaching Staff Ratio

Number of Teaching Staff = 145

Number of Non-teaching Staff = 284

Teaching : Non-Teaching = 1:2

21. Improvements in the library services

Department of Bio-Technology

Department has 133 books and are kept in office for use of students.

Department of Sociology

Procured books published on identified thrust areas. Infrastructure facilities have been created to library by procuring book racks, additional furniture items such as conference table, student chairs.

Centre for Social Exclusion and Inclusive Policy:

Digital Library – 120 (E- Books)

Research Papers – 300

Reference Library – Books – 105

Journals – 2

University Library:

➤ ICT enabled services to the students

We are providing 25 separate systems for the students to access the e resources of our University . Wi-Fi connection is available in and around the Library campus. 200 students can access the Internet facility at a time.

- The University Library is subscribing the Proquest Theses and Dissertation Abstract International online Database from the Library INFLIBET Services. Manonmaniam Sundaranar University is in Second Phase of this Consortium.

By that, we can download 6,049 Journal Title and 6 Databases. We are subscribing Proquest theses and Dissertations Abstracts international in

electronic version. Those resources can be accessed in the University campus only.

- **DELNET Services:** The University got the membership in the Developing Library NETwork. By that we can access the books and journal wherever it may be. They students can give their request through the mail.
- **Membership in American Library, Chennai:**
Our students/Faculties can use the American Library resources. We registered as member in this institution. They are giving us 5 cards. With this card we can enter into the American library, Chennai.
- **Request Article Services:** We train the students to give request article in the JCCC database. When the specific article is received by the library ,an SMS or Email is sent to the students to come and collect the article. This is done free of cost.
- The non-members of our University also can access the e-resources.

	July 2011 to June 2012	
	No. of Users	Books Issue/Return
July	2770	5299
August	6389	6641
September	3747	3340
October	880	1550
November	2406	2283
December	1487	7163
January	1552	8390
February	5915	9723
March	4730	9592
April	3842	7975
May	1566	2230
June	65	98
Total	35349	64284

E-Resources Downloaded from Manonmaniam Sundaranar University

Usage Period	Number of Records Downloaded
July 2011 - June 2012	80,258

22. New books/journals subscribed and their value

Details of Books purchased

S.No	Name of the Department	No. of Books	Amount (in Rs.)
1	Department of Mathematics	375	2 lakhs / year
2	Centre for Social Exclusion and Inclusive Policy	56	Rs. 41,980/-
3	Department of Commerce	165	Rs.50,000
4	Department of Statistics	68	Rs. 1,00,280
4	University Library	2,995	Rs. 17,57,344

Details of Journals purchased during 2011 – 2012

S.No	Name of the Department	No. of Journals	Amount (in Rs.)
1	Department of Mathematics	28	1 lakh + NBHM Grant
2	Department of Pharmaceutical Chemistry	12	
3	Department of Management Studies	335	
4.	University Library	158	Rs. 6,72,960

23. Courses in which students assessment of teachers is introduced and the action taken on student feedback

Confidential evaluation report is received for every staff member from students every year.

24. Feedback from stakeholders (Alumini, PTA)

The alumini of the department of mathematics are well placed in IITs, Engineering colleges and other Research Institutions.

25. Unit cost of education

Expenditures:

1. Salary to Staff	Rs. 24,39,09,531
2. Expenditure for Conducting Examinations	Rs. 1,20,98,351
3. Common Services & General Charges	Rs. 15,74,65,693
4. Capital Expenditure for Departments & Others	Rs. 6,30,22,369
5. M.S. University Constituent College, Sathankulam	Rs. 31,90,478
Total Expenditure during 2011 -12 (including Salary)	Rs. 47,96,86,422
Total Expenditure during 2011-12 (excluding Salary)	Rs. 23,57,76,891

Total No. of Students **79536**

$$\begin{aligned} \text{Unit Cost of Education (Inclusive of Total Salary)} &= 47,96,86,422 \\ &\text{-----} \\ &79536 \\ &= \text{Rs. } 6031.06 \end{aligned}$$

$$\begin{aligned} \text{Unit Cost of Education (Exclusive of Total Salary)} &= 23,57,76,891 \\ &\text{-----} \\ &79536 \\ &= \text{Rs. } 2964.40 \end{aligned}$$

26. Computerization of administration and the process of admissions and examination results, issue of certificates

The examination system has been fully computerised with a software, specially suiting to the requirements of the affiliated colleges. The processing of results, DTP printing of Certificates/Degrees etc., are all done without delay.

27. Increase in the infrastructural facilities

Department of Mathematics:

Computer lab has been created. Aluminium partition was done for faculty member rooms. Water purifier for students is installed. Photostat and printing facilities are also given to the students.

Department of Management Studies :

Installed LCD / DLP in all classrooms .

Department of Commerce:

Classrooms, furniture, Computer Systems etc., were bought for the Department that are worth about Rs.2, 00,000/- + 5 KVA UPS.

28. Technology upgradation

Department of Bio-Technology:

Molecular and cell biology laboratory has been established.

Department of Criminology and Criminal Justice :

PA system and Smart Board

Department of Sociology:

Smart classrooms, fitted with interactive Boards and LCD and Lap Top facilities have been provided.

Department of Education

Smart class room was established.

29. Computer and internet access and training to teachers, non-teaching staff and students

Department of Bio-Technology:

1. All teaching and nonteaching members of Dept. have internet access facility.
2. Each class of Dept. of Biotechnology has internet facility.

Department of Mathematics:

Each faculty room has an internet connection. Apart from this, connections are provided in the Department office, Research scholars room and computer lab. Students are trained in Latex- Mathematical software. They type their M.Sc., and M.Phil. Projects in Latex in the Lab itself. Practical classes are arranged in C++ and Latex.

Department of Sociology:

All the Faculty Members have access to with Computer and Internet facilities.

Department of Management Studies:

20 Computers All faculty members are provided Internet access.

Department of Commerce:

Three Systems with Internet facilities available in Lab. Also each faculty and office has the access of internet .

30. Financial aid to students, Principal Investigation

Department of Criminology and Criminal Justice

Merit Scholarships and SC/ST Scholarships are given to the students.

Department of Mathematics

Students are given B.C. Scholarships; Beedi Scholarships., S.C. students are exempted from Tuition fees. Research scholars are supported by UGC-BSRF; INSPIRE Fellowship, Maulana Azad Fellowship and Rajiv Gandhi Fellowship.

Department of Commerce:

One USRF Scholar is pursuing Ph.D.

31. Activities and support from the Alumni Association

Department of Communication:

Alumni of the Department of Communication actively participated in the three day State Level Competition Organized by the Student of the Department "Karishar Thirai Vizha 2012" during 1-3, Feb.2012.

Department of Bio-Technology

Separate web has been established for supporting the alumni.

Department of Management Studies:

Alumini Students are kept in touch through Group mates.

Department of Statistics

A Meeting of Alumni Association was held in the Department of Statistics on 27-07-2011.

32. Activities and support from the Parent-Teacher Association

Every Department conducts Parent-Teacher meeting on the first day of the academic year.

33. Health services

A health Centre is available in the University campus. Any health problem of the students is immediately attended by the faculty members and the students are immediately taken to the health centre. Necessary first aid and medicine are given.

34. Performance in sports activities

Department of Mathematics

Students of the Department took part in several sports activities. Department of Mathematics won the II position in Sports among all the Departments in the Mano day Competitions conducted in the University level.

35. Incentives to outstanding sportspersons

They are given separate quota in admissions to the courses they wish to join.

36. Student achievements and awards

Department of Bio-Technology:

Mr.S.Johnson Retnaraj Samuel, Research Scholar from Cancer Biology laboratory received “**Finnish Government’s Scholarships for Indian Nationals to Finland**”. (CIMO AWARD)

Department of Mathematics

Students of the Department won several prizes in the Literary/ cultural events organized during the MANO DAY celebrations, other colleges and University. A team consisting of 3 of students of the Department participated in several quiz Competitions and the details are as given below:

	Name of the Edu./Other Institution conducted Quiz Competitions	2011 - 2012
Quiz Competitions	Alagappa University	---
	St.Xavier’s College	Second Prize
	St. John’s College	First Prize

Department of Statistics:

Two Students (Mr. A. Jabar Ali and Mr. S. Senthil Kumar) of II M.Sc., participated in the one week training programme on “Official Statistics” held during 04-08 July, 2011 at National Academy of Statistical Administration (NASA), Ministry of Statistics & Programme Implementation.

NATIONAL SERVICE SCHEME

Participation in National Level Events

- ▶ NSS Volunteers Selvan.P.Siluvai Franko Francis, Vivekananda College, Agasteeswaram participated in the **NSS Mega Summer Camp** at Junnar (Maharashtra) from 18th to 29th June 11.
- ▶ NSS Volunteers Selvan.R.Allwin, Mano College, Sankarankovil participated in the **NSS Summer Adventure Camp** at WHMI (Narkanda) from 23rd June to 2nd July 2011.

- ▶ 4 NSS Programme Officers participated in the **“Training of Trainers Programme on Youth for Gender Equity”** from 1-3 August 2011 at Rajiv Gandhi National Institute of Youth Development, Sriperumbudur.

- ▶ NSS Programme Officer (Mr.Asaithambi Dawson, Nazareth Margoschis College) participated in the **“Training of Trainers Programme on Youth for Gender Equity”** from 2nd to 4th November 2011 at Rajiv Gandhi National Institute of Youth Development, Sriperumbudur.
- ▶ NSS Volunteer (T.Thankakrishnan, TDMNS College, T.Kallikulam) participated in the **“NSS Mega Camp and Indra Gandhi Award Caremony** from 13th to 24th November 2011 at Delhi.
- ▶ NSS Volunteer (N. Harish, Udaya College of Arts and Science, Vellamodi) participated in the **“National Youth Convention & Suvichar during XVII National Youth Festival, 2012”** from 12th to 16th January 2012 at Mangalore.

Following is the list of Programme Officers who are the recipient of University awards

S.No	Programme Officer	Unit No	Name of the College
1	Dr.A.S.Vijila Samerin	143	Rani Anna Govt. College for Women, Tirunelveli
2	Mrs.P. Mariselvi	3	Rani Anna Govt. College for Women, Tirunelveli
3	Dr.T.MuthuLakshmi	26	MDT Hindu College, Tirunelveli
4	Mr.S. Karthikeyan	41	Thiruvalluvar College, Papanasam
5	Mr.K. Murugan	39	MDT Hindu College, Tirunelveli
6	Dr.M. Kannan	48	Aditanar College of Arts and Science, Tiruchendur
7	Mr.P. Murugan	64	Sri K.G.S. Arts College, Srivaikuntam
8	Mrs.H. Prabavathy	107	Vivekananda College, Agasteeswaram
9	Dr.D.Nagalekshmi	116	S.T.Hindu College, Nagercoil
10	Dr.K.Elamkumar	108	Vivekananda College, Agasteeswaram
11	Dr.N. Ayyappan	101	S.T.Hindu College, Nagercoil

VOLUNTEERS:

S.No	Volunteers	Unit No	Name of the College
1	M. Esakkiammal	22	Sri Parasakthi College, Courtallam
2	R. Marieswari	20	Sri Parasakthi College, Courtallam
3	I. Sheeba	17	Sarah Tucker College, Palayamkottai
4	P. Kumar	40	MDT Hindu College, Tirunelveli
5	S. Muthulakshmi	186	Sri K.G.S. Arts College, Srivaikuntam
6	D. Petchithai	186	Sri K.G.S. Arts College,

			Srivaikuntam
7	Berachah John	110	Women's Christian College, Nagercoil
8	V.P.Sivakamy	110	Women's Christian College, Nagercoil
9	N. Kanmani	117	S.T.Hindu College, Nagercoil

NSS Units

S.No	Students Name	Unit No	Name of the College
1	Dr.E.L.C.Thiruvaranganathan	191	Kamarajar Govt. Arts College, Surandai
2	Dr.Kathireson	44	Aditanar College of Arts and Science, Tiruchendur
3	Mrs.Rubavathy Paul	174	Rani Anna Govt.College for Women, Tirunelveli

37. Activities of the Guidance and Counseling unit

Special coaching classes for NET and SET examinations were organized.

38. Placement services provided to students

S.No	Name of the Course	Year	Name of the Student	Passed / Selected
1	TNPSC Batch -VI	2011-2012	M. Somasundari	VAO (Thanjavoor)
2	TNPSC Batch -VI	2011-2012	M.Somasundari	Group – II
3	TNPSC Batch -VI	2011-2012	Mr.Murugesh	VAO (Senji – Vilupuram Dist)
4	TNPSC Batch -VI	2011-2012	Mr.Shunmugaraj	VAO (Thanjavoor)
5	TNPSC Batch -VII	2012-2013	S. Kaliarasi	TET Exam
6	TNPSC Batch -VII	2012-2013	R. Esakkiammal	TET Exam

7	Hindi Department	2012-2013	Bala Murugan	Hindi Officer
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39. Development programmes for non-teaching staff

Common development programmes are rare. Non-teaching staff are given training in using all the features of MS Office. They are permitted to pursue higher education. Some of them have completed their Doctorate Degrees.

40. Good practices of the institution

Department of Biotechnology

1. Good Practices of the Department of Biotechnology is operating the laboratory for 24 hours in a day.
2. Teacher and Students interacting day is organized every year.
3. Celebration of all festivals by all students irrespective of the race, religion & Caste.

Department of Statistics:

1. Special Lecture Programme on Career Opportunities for Statisticians on March 24, 2012.
2. Workshop on Applications of SPSS Software Package on February 27 & 28, 2012.
3. Orientation Programme on Statistics and Computer Applications to the Under Graduate Students of MANO Colleges on January 27 & 28, 2012.
4. Special Lecture Programme on Career Opportunities for Statisticians during December 13 & 14 and 16, 2011.

Department of Education:

1. Coaching for NET by Department of Education
2. Remedial Class
3. Guest Lectures are arranged for once in a month regularly
4. Special Lectures by eminent Professors in the field of education were arranged.

41. Linkages Developed with National / International / Academic / Research

Bodies

- ▶ Dr.A.Bhawaani of Department of Hindi is a Panel member in Funding Body in the Rajbhasha Session UGC – New Delhi (For the development of Rajbhasha Department in Universities).
- ▶ Dr. S. Sudhakar is a Member of stem research around of NIH (National Institute Health), USA.

42. Action taken report on the AQAR of the Previous Year

- ▶ New courses were started in the University departments.
- ▶ Inter-disciplinary courses were started.
- ▶ Wi-Fi facility was given to the library campus. 200 students can access internet and facilities are provided around the library to sit and access internet.
- ▶ More internet facilities were added to the Library. Seating Capacity in the Reading Room was enhanced to accommodate 90 readers, simultaneously. 250 sibilings planted were around University Library.
- ▶ Students strength in Distance Education mode was increased by admissions to the new courses B.A. General, B.Sc., General (Maths, Physics and Chemistry) and B.Sc. General (Biology, Physics and Chemistry).
- ▶ Collaborative research programmes were initiated with leading research institutions. It is only in the level of resource exchange and not up to the level of student exchange.
- ▶ Process of Office Automation is in progress. It is expected to be completed by next year.

43. Any Other Relevant Information

As per the G.O.No.80 dated.28-05-2012, the Tamil Nadu Government has up scaled the Department of Mathematics of Manonmaniam Sundaranar University as a PG Centre with High Tech Laboratory at an expenditure of 2.5 crores. The Department of Mathematics has been upgraded as UGC-SAP DRS-II Department since 2013.

Section –C : Outcomes achieved by the end of the year

- Several new courses were started thereby increasing the student's strength.
- Students in the University Departments and affiliated Colleges are permitted to write Supplementary examinations if they have failed in exactly one paper at the verge of completing the course.
- Several new courses were started in the distance education mode.
- Some MOU's were signed.
- CCTV's are installed in many places.

Section –D : Details of the plans of the HEI for the next year

- To build Quarters for Higher Officials .
- To build up more infrastructural facilities by constructing more buildings.
- To have more tie-up's with industries.
- To promote all eligible staff under CAS.
- To fill up all the vacant teaching and non-teaching positions.
- To send results of individual students of University departments and affiliated Colleges through SMS as soon as the results are published.
- To implement Office automation in full sense so that paper consumption is reduced.

R. Kala.
14.9.16
(DR. R. KALA)
Name and Signature

Of the Director/Coordinator,
IQAC

Co-ordinator
Internal Quality Assurance Cell (IQAC)
Manonmaniam Sundaranar University
Tirunelveli - 627 012
Tamil Nadu


14/09/16

Name and Signature
of the Chairperson
IQAC

Prof. K. BASKAR
VICE CHANCELLOR
Manonmaniam Sundaranar University
Tirunelveli - 627 012.
Tamil Nadu, India.