



A.P.C. MAHALAXMI COLLEGE FOR WOMEN

THOOTHUKUDI - 2



CRITERION 6

SSR CYCLE IV

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.3. Faculty Empowerment Strategies

6.3.1: The institution has performance appraisal system, effective welfare measures for teaching and non-teaching staff and avenues for career development/progression

PERFORMANCE APPRAISAL FOR TEACHING STAFF
2020 - 2021

2020 - 2021

A.P.C. MAHALAXMI COLLEGE FOR WOMEN, THOOTHUKUDI
Reaccredited by N.A.A.C with B+ grade
4 Star Rating in MHRD's Institution's Inspection Council

SELF APPRAISAL OF TEACHERS
 August 2020 to July 2021

1. Name : Dr. V. Maheswari

2. Department & Designation : Mathematics & Assistant Professor

3. Member of Academic Council/BoS : Nil

4. Member in setting of question papers: Nil

5. Member in development of curriculum (framing syllabus) for Add on/certificate/Diploma courses: Nil

6. Examination and evaluation duties assigned by the college / university or attending the examination paper evaluation

| Position Held (Evaluator/Chief) | Date (from-to) | College/University |
|-----------------------------------|--------------------------|-----------------------------------|
| Evaluator of UG Maths Major Board | 05.10.2020 to 08.10.2020 | Manonmaniam Sundaranar University |
| Evaluator of UG Maths Major Board | 29.12.2020 to 02.01.2021 | Manonmaniam Sundaranar University |
| Evaluator of M.Phil Maths Board | 22.03.2021 to 25.03.2021 | Manonmaniam Sundaranar University |
| Evaluator of UG Maths Major Board | 07.07.2021 to 12.07.2021 | Manonmaniam Sundaranar University |
| Evaluator of M.Phil Maths Board | 17.07.2021 to 19.07.2021 | Manonmaniam Sundaranar University |

7. Seminars/ Webinars/ Conference/Symposia/Workshop/ Syllabus Up-gradation Workshop/ Training Teaching-Learning-Evaluation, Technology Programs'

| Name of the Programme & Level (Regional/ State/Ntl/Intl/ Level) | Place/ Platform | Duration/ Date | Sponsoring Agency (UGC/HRDC/ ICSSR/ TANSCH/ TNSCST etc..) | (Mention whether it is Orientation / Refresher/ Research Methodology Course/ Workshop FDP, etc) |
|---|-----------------|--------------------------|---|---|
| One day Training cum Orientation Programme (National) | Zoom | Full Day / 30.09.2020 | TANSCH | Training cum Orientation Programme |
| Awareness Workshop on NIRF India Rankings 2021 for Higher Educational Institutions | Zoom | 18.01.2021 to 19.01.2021 | Tamilnadu Collegiate Education and Technical Education Department, Govt. of Telangana | Workshop |
| Second International Conference on Applied Mathematics and Intellectual Property Rights | Google Meet | 09.03.2021 to 10.03.2021 | - | Conference |
| Innovative Chemistry Concepts and Technologies about COVID-19 Vaccines | Google Meet | 13.03.2021 | - | FDP |
| Two Week Refresher Course in Mathematics | edX | 16.03.2021 to 30.03.2021 | MoE, PMMMNMTT | Refresher |
| New Education Policy in India | Google Meet | 04.05.2021 | - | FDP |
| Outcome Based Education – Attainment of PO – CO & Mapping (OBE – APCM) | Google Meet | 10.05.2021 | - | FDP |
| Yoga to reboot your | Free | 17.05.2021 to | TNTEU, PMMMNMTT | Short Term Programme |

8. Papers presented

| Name of the programme | Organized by | Title of the paper | Place and date | Regional/ State/Ntl/Intl/ Level |
|---|--|--|-------------------------------------|---------------------------------|
| Second International Conference on Applied Mathematics and Intellectual Property Rights | PG & Research Department of Mathematics, A.P.C. Mahalaxmi College for Women, Thoothukudi | Edge Domination on Anti-Fuzzy Graph | Google Meet 09.03.2021 & 10.03.2021 | International |
| Second International Conference on Applied Mathematics and Intellectual Property Rights | PG & Research Department of Mathematics, A.P.C. Mahalaxmi College for Women, Thoothukudi | Regular Property on Product of Pythagorean Anti Fuzzy Graph | Google Meet 09.03.2021 & 10.03.2021 | International |
| Second International Conference on Applied Mathematics and Intellectual Property Rights | PG & Research Department of Mathematics, A.P.C. Mahalaxmi College for Women, Thoothukudi | Gd-Distance of Wreath Product of Graphs | Google Meet 09.03.2021 & 10.03.2021 | International |
| Second International Conference on Applied Mathematics and Intellectual Property Rights | PG & Research Department of Mathematics, A.P.C. Mahalaxmi College for Women, Thoothukudi | Gd-Distance of Certain Product Graphs | Google Meet 09.03.2021 & 10.03.2021 | International |
| Second International Conference on Applied Mathematics and Intellectual Property Rights | PG & Research Department of Mathematics, A.P.C. Mahalaxmi College for Women, Thoothukudi | Total Domination Polynomial on Some Special Graphs | Google Meet 09.03.2021 & 10.03.2021 | International |
| Second International Conference on Applied Mathematics and Intellectual Property Rights | PG & Research Department of Mathematics, A.P.C. Mahalaxmi College for Women, Thoothukudi | Some Characterization Of SFG-Closed Sets In Topological Spaces | Google Meet 09.03.2021 & 10.03.2021 | International |
| Second International Conference on Applied Mathematics and | PG & Research Department of Mathematics, A.P.C. Mahalaxmi College for | Ascending Domination Decomposition of a | Google Meet 09.03.2021 & 10.03.2021 | International |

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|---|--|--------------------------|---------------|---------|
| Mind, Body and Soul during Covid-19 | Conference Call | 23.05.2021 | | |
| Research Methodology | Youtube | 24.05.2021 to 31.05.2021 | - | FDP |
| Recent Trends in Mathematics | Google Meet, V.O.Chidambaram College, Thoothukudi | 21.06.2021 to 25.06.2021 | - | FDP |
| Financial Education for Middle Income Investors | Department of Commerce, Google Meet, A.P.C. Mahalaxmi College for Women, Thoothukudi | 16.07.2021 | - | FDP |
| Innovation Ambassador Advanced Level Online Training (17 Sessions) | Institution's Innovation Council & Ministry of Education | 30.06.2021 to 30.07.2021 | MoE | Webinar |
| Revised NAAC Framework Guidelines – 2020 for Non-Accredited Affiliated Colleges | IQAC, V.O.Chidambaram College, Thoothukudi | 26.07.2021 to 30.07.2021 | UGC PARAMARSH | FDP |

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|---|--|---|-------------------------------------|---------------|
| Intellectual Property Rights | Women, Thoothukudi | Triangular Snake | | |
| Second International Conference on Applied Mathematics and Intellectual Property Rights | PG & Research Department of Mathematics, A.P.C. Mahalaxmi College for Women, Thoothukudi | Ascending Bi-Pendant Domination Decomposition of Path and Cycle | Google Meet 09.03.2021 & 10.03.2021 | International |
| Second International Conference on Applied Mathematics and Intellectual Property Rights | PG & Research Department of Mathematics, A.P.C. Mahalaxmi College for Women, Thoothukudi | On Tri - g Continuous Functions in Tri-Topological Spaces | Google Meet 09.03.2021 & 10.03.2021 | International |
| Second International Conference on Applied Mathematics and Intellectual Property Rights | PG & Research Department of Mathematics, A.P.C. Mahalaxmi College for Women, Thoothukudi | Edge Product Cordial Labeling of Some Special Graphs | Google Meet 09.03.2021 & 10.03.2021 | International |
| Second International Conference on Applied Mathematics and Intellectual Property Rights | PG & Research Department of Mathematics, A.P.C. Mahalaxmi College for Women, Thoothukudi | On 2-Domination Number of Some Graphs | Google Meet 09.03.2021 & 10.03.2021 | International |
| Second International Conference on Applied Mathematics and Intellectual Property Rights | PG & Research Department of Mathematics, A.P.C. Mahalaxmi College for Women, Thoothukudi | A New Approach to Soft Generalized Open Sets | Google Meet 09.03.2021 & 10.03.2021 | International |
| Second International Conference on Applied Mathematics and Intellectual Property Rights | PG & Research Department of Mathematics, A.P.C. Mahalaxmi College for Women, Thoothukudi | Radio Mean Labeling of Some Splitting Graphs | Google Meet 09.03.2021 & 10.03.2021 | International |
| Third International Conference on Recent Trend Science and Technology | Maa Shakumbhari Trust, Greater Noida, Uttar Pradesh, India | Average Domination on Anti Fuzzy Graph | 19.06.2021 to 20.07.2021 | International |

9. E- content developed and shared/uploaded through You tube / Slideshare/ LinkedIn/ Blogs/ Google classroom, Moodle classroom etc.- Nil

10. Awards, fellowship and recognition received for excellence from recognized bodies (Best paper/teacher, etc.) –
Global Eminent Researcher Award for the year 2021 for research dedication in Mathematics from VIJ TRUST

11. Enrolment in Online courses such as: e-PG-Pathshala, CEC (under e-PG-Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional Learning Management System (LMS)

| Name of the Platform | Name of the Course | Duration of Course | Status |
|----------------------|---------------------------------------|--------------------|------------------------|
| CEC | Modern Algebra | 8 Weeks | Enrolled |
| CEC | Graph Theory | 12 Weeks | Successfully Completed |
| SWAYAM(AICTE) | Fourier Analysis and its Applications | 16 weeks | Ongoing |

12. Publications

| Title of article | Name of journal | Publication details (Month, year, Vol&Iss.no)/ ISSN/ISBN | Link to website of the Journal | Link to article/paper/abstract of the article | Type (Peer – Reviewed/Non – Peer Reviewed/E- Journal/Conference proceedings/ UGC/ SCOPUS/ WOS/SCI) |
|--|---|--|---|---|--|
| Ascending Pendant Domination Decomposition | International Journal of Scientific Research and Review | Volume 9, Issue 10, 1-9, October 2020 | http://www.dynamicpublisher.org/VOL-9- | https://drive.google.com/file/d/1Gxgl_3yv6dhAd1hjd- | Peer-Reviewed UGC |

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|---|--|--|---|---|------------------------|
| Polynomial | | ISSN NO: 2279-543X | ISSUE-10-2020/ | Vwloz6pjXa_XICb/view | |
| Environmental awareness of girls – a fuzzy approach | Proceedings of International Seminar on Computational Environmental Earth Science | 187-191, 2020 ISBN: 978 – 93 – 5406 – 711 - 2 | | | Conference Proceedings |
| Edge Domination on Anti-Fuzzy Graph | Proceedings of Second International Conference on Applied Mathematics and Intellectual Property Rights | pg. 92 - 96, March 2021 (ISBN No: 9789380430331). | | | Conference Proceedings |
| Regular Property on Product of Pythagorean Anti Fuzzy Graph | Journal of Physics | doi:10.1088/1742-6596/1947/1/012029, 2021 (Online ISSN: 1742-6596) (IF : 0.55) | https://iopscience.iop.org/journal/1742-6596 | doi:10.1088/1742-6596/1947/1/012029, 2021 | SCOPUS |
| Gd-Distance of Wreath Product of Graphs | Journal of Physics | doi:10.1088/1742-6596/1947/1/012033, 2021 (Online ISSN: 1742-6596) (IF : 0.55) | https://iopscience.iop.org/journal/1742-6596 | doi:10.1088/1742-6596/1947/1/012033, 2021 | SCOPUS |
| Gd-Distance of Certain Product Graphs | Proceedings of Second International Conference on Applied Mathematics and Intellectual Property Rights | pg. 102 - 113, March 2021 (ISBN No: 9789380430331) | | | Conference Proceedings |
| Total Domination | Proceedings of | pg. 97 - 101. | | | Conference |

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|---|--|--|---|---|------------------------|
| Polynomial on Some Special Graphs | Second International Conference on Applied Mathematics and Intellectual Property Rights | March 2021 (ISBN No: 9789380430331) | | | Proceedings |
| A New Approach to Soft Generalized Open Sets | Proceedings of Second International Conference on Applied Mathematics and Intellectual Property Rights | pg. 306 - 310, March 2021 (ISBN No: 9789380430331) | | | Conference Proceedings |
| Soft Graphs of Certain Graphs | Journal of Physics | doi:10.1088/1742-6596/1947/1/012045, 2021 (Online ISSN: 1742-6596)(IF : 0.55) | https://iopscience.iop.org/journal/1742-6596 | doi:10.1088/1742-6596/1947/1/012045, 2021 | SCOPUS |
| Ascending Domination Decomposition of Triangular Snake | Proceedings of Second International Conference on Applied Mathematics and Intellectual Property Rights | pg. 21 - 25, March 2021 (ISBN No: 9789380430331) | | | Conference Proceedings |
| Ascending Bi-Pendant Domination Decomposition of Path and Cycle | Journal of Physics | doi:10.1088/1742-6596/1947/1/012032, 2021 (Online ISSN: 1742-6596) (IF : 0.55) | https://iopscience.iop.org/journal/1742-6596 | doi:10.1088/1742-6596/1947/1/012032 | SCOPUS |
| On Tri - g Continuous | Journal of Physics | doi:10.1088/1742-6596/1947/1/012 | https://iopscience.iop.org/journal/1742-6596 | doi:10.1088/1742-6596/1947/1/012006, 2021 | SCOPUS |

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|--|---|--|---|---|------------------------|
| Functions in Tri-Topological Spaces | | 006, 2021 (Online ISSN: 1742-6596) (IF : 0.55) | | | |
| On 2-Domination Number of Some Graphs | Journal of Physics | doi:10.1088/1742-6596/1947/1/012001, 2021 (Online ISSN: 1742-6596) (IF : 0.55) | https://iopscience.iop.org/journal/1742-6596 | doi:10.1088/1742-6596/1947/1/012001, 2021 | SCOPUS |
| Radio Mean Labeling of Some Splitting Graphs | Journal of Physics | doi:10.1088/1742-6596/1947/1/012011, 2021 (Online ISSN: 1742-6596)(IF : 0.55) | https://iopscience.iop.org/journal/1742-6596 | doi:10.1088/1742-6596/1947/1/012011, 2021 | SCOPUS |
| Gd-Distance of Corona Product of Graphs | Conference Proceedings on Advanced Mathematical Modeling and Computational Techniques | 309 - 315, 2021, June 2021 (ISBN: 978-93-85434-84-6) | | | Conference Proceedings |
| Average Total and Average Connected Domination on Anti Fuzzy Graph | Conference Proceedings on Advanced Mathematical Modeling and Computational Techniques | 110-116, 2021, June 2021 (ISBN: 978-93-85434-84-6) | | | Conference Proceedings |
| Ascending Pendant | Multidisciplinary | Accepted | | | Chapter in Edited |

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|--|---------------------|-----------|--|--|------|
| Domination Decomposition of Tensor Product Some Graphs | Research – Volume I | July 2021 | | | Book |
|--|---------------------|-----------|--|--|------|

13. Details of Impact factor of publications:

| Impact factor | | H – index | i – 10 index | RG score |
|---------------|---------|-----------|--------------|----------|
| Range | Average | | | |
| 0.55-6.1 | 1.24 | 2 | - | 5.49 |

14. Books /Book chapters Published /Books edited - Nil

15. Ph.D status of Faculty during the year : Completed in 2012

16. Guideship details

| | |
|---------------------------|---------------------------|
| Date of approval as guide | Guideship approval number |
| 10.04.2018 | MSU/RES/GUIDESHIP/R9/2018 |

17. Details of M.Phil / Ph.D scholars registered/ongoing/submitted this year

| Name of scholar and contact details with mobile number | Category (Part time/full time) | Centre | Date of Registration | Status |
|---|--------------------------------|---|----------------------|---------|
| N.H.Anantha Kiruthika(20202013545101) Cell: 9629105068 | Full Time (M.Phil) | PG & Research Department of Mathematics, A.P.C. Mahalaxmi College for Women | September 2020 | Ongoing |
| K.ThangaKanniga(19112012092012) Cell: 8870884979 | Part-Time (Ph.D.) | PG & Research Department of Mathematics, A.P.C. Mahalaxmi College for Women | January 2019 | Ongoing |

| | | | | |
|--|-------------------|---|--------------|---------|
| V.Brishni (19222012092002) Cell: 8825936522 | Part-Time (Ph.D.) | PG & Research Department of Mathematics, A.P.C. Mahalaxmi College for Women | August 2019 | Ongoing |
| U. Syedul Fahima(20112012092003) Cell: 7548836320 | Full Time (Ph.D.) | PG & Research Department of Mathematics, A.P.C. Mahalaxmi College for Women | January 2020 | Ongoing |

18. Details of Ph.D s awarded this year: Nil

19. Month of passing SET/NET during the year: Nil (Passed SLET in September 2004)

20. Organizing seminars/ conferences/ workshops, other college activities.

| S. No | Name of the activity | Date & Time | Venue/Platform | Number of Participants | Support/ Assistance | Role (Mention whether Coordinator/Convenor/ Organizing Secretary/Member) |
|-------|--|-------------|----------------|------------------------|---------------------|--|
| 1 | Quiz on Gandhian Principles and Ethics | 02.10.2020 | Google Form | 229 | Nil | Coordinator |
| 2 | My Story - Motivational Session by Successful Entrepreneur/Startup founder. | 24.12.2020 | Zoom | 95 | - | Organizer |
| 3 | Orientation Session on National Education Policy (with a focus on Innovation and entrepreneurship) | 21.12.2020 | Zoom | 90 | - | Organizer |
| 4 | Workshop on "Entrepreneurship and | 23.12.2020 | Zoom | 100 | - | Organizer |

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|----|--|------------|--------------|-----|-----|-------------|
| | students & faculties of Institute by Innovation Ambassador(s). | | | | | |
| 16 | Orientation session for all students & faculties of Institute by Innovation Ambassador | 27.03.2021 | Zoom | 102 | - | Organizer |
| 17 | Session on Prototype Validation - Converting Prototype into a Start-up | 29.03.2021 | Google Meet | 134 | - | Organizer |
| 18 | e-Quiz on Innovation | 30.03.2021 | Google Forms | 105 | - | Coordinator |
| 19 | Session on "How to plan for Start-up and legal & Ethical Steps" | 31.03.2021 | Google Meet | 100 | - | Coordinator |
| 20 | Session on Angel Investment/VC Funding Opportunity for Early Stage Entrepreneurs. | 31.03.2021 | Google Meet | 109 | - | Coordinator |
| 21 | Startup on Ornamental Fish Culture | 01.04.2021 | Zoom | 114 | - | Coordinator |
| 22 | Entrepreneurial Culture | 16.04.2021 | Zoom | 100 | - | Coordinator |
| 23 | Session on Women Entrepreneurship and Innovation | 19.04.2021 | Zoom | 123 | WRC | Organizer |

21. Details of faculty expertise (Doctoral committee, experts, chairpersons, resource persons, judges) shared with other institutions / organizations.

| Name of the programme & level | Nature of expertise shared | Date | Venue/Platform | Beneficiaries |
|-------------------------------|----------------------------|------|----------------|---------------|
|-------------------------------|----------------------------|------|----------------|---------------|

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|------------------|---------------------------|------------|--|---|
| University Level | Doctoral Committee Member | 11.01.2021 | PG & Research Department of Mathematics, V.O.Chidambaram College | 2 |
|------------------|---------------------------|------------|--|---|

22. Membership in Academic forums/Editorial board

| Name of faculty | Position held | Name of forum/journal | Duration |
|-----------------|---------------------|--|--------------------------|
| Dr.V.Maheswari | Professional Member | Institute for Engineering Research and Publication | 21.06.2019 to 31.12.2020 |

23. Awards and recognitions received for Innovation

| Name | Award/recognition | Name, address, contact No. mail ID of awarding agency | Purpose | Level |
|----------------|-----------------------|---|-----------------------------------|----------|
| Dr.V.Maheswari | Innovation Ambassador | Institution's Innovation Council of MHRD's Innovation Cell, New Delhi | For attending IIC Online Sessions | National |

24. Awards and recognitions received for extension activities:

Global Eminent Researcher Award for the year 2021 for research dedication in Mathematics from VIJ TRUST

25. E-Content developed such as: e-PG- Pathshala, CEC (Under e-PG- Pathsala CEC) SWAYAM other MOOCs platform NPTEL/NMEICT/any other government initiatives - Nil

26. Financial Support offered to students by faculty : Nil

27. Details of FDP attended (Refresher course, Orientation, Short term courses/ SWAYAM/NPTEL. (with e-certification)

| Nature of programme | Duration(from-to) | Organized by | Credits |
|--|--------------------------|--|---------|
| Two Week Refresher Course in Mathematics | 16.03.2021 to 30.03.2021 | Ramanujan College, Delhi in association with MoE, PMMMNMTT | A+ |

28. Certificate of Appreciation/Commitment received (Fundamental Duties and Rights of Indian citizens and other constitutional obligations)/Quiz -Subject oriented/ IPR/Covid -19etc.)

| S.No | Date | Kind of the Programme | Organizer | Category |
|------|------------|-----------------------|--|----------|
| 1 | 18.12.2020 | e-Quiz on IPR | APCM Academy | Quiz |
| 2 | 22.04.2021 | Restore Our Earth | Department of English, A.P.C. Mahalaxmi College for Women, Thoothukudi | Pledge |

29. Any other responsibility/contribution/achievement for institutional progress worth mentioning (other than the ones mentioned above):

NIRF Nodal Officer
President of Institution's Innovation Council
Secretary of A.P.C. Mahalaxmi Ammal Memorial Scholarship
Incharge of APCM Academy

N. Manojkumari
Signature of the Principal

V. Maheswari
Signature of the teacher

*She is good in publications.
She can apply for projects.*