

Sadakathullah Appa College (Autonomous)

Rahmath Nagar, Tirunelveli - 627 011



CRITERION III

RESEARCH, INNOVATION AND EXTENSION

3.7.1

Collaborative Activities

Submitted to

THE NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL (NAAC)

August 2022



Sadakathullah Appa College

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A REPORT ON THE COLLABORATIVE ACTIVITIES (2016-2017)



For the Academic Year 2016-2017, 5 Faculty members from various Departments of our Institution delivered 19 Guest Lectures at various Colleges and Universities as part of the collaborative activities.

A Faculty from the Department of English served as a member of an Editorial Board for the Journal of *Pragnavi*. A Faculty from the Department of Chemistry served as Co-guide in the Academic Year 2016-2017.

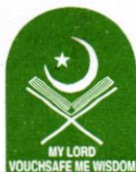
A Faculty from the Department of English published an article in collaboration with the Faculty of another Institution as a collaborative activity. A Faculty from the Department of Mathematics collaborated with faculty of other Institutions and published 4 articles in International Journals. Two Faculty members from the Department of Chemistry collaborated with faculty of other Institutions and published 6 articles in total. Two Faculty members from the Department of Physics published 2 articles as a part of the collaborative activities.

A Faculty from the Department of Computer Science collaborated with 4 Faculty from other Institutions and published 5 articles. A Faculty from the Department of Commerce collaborated with the Faculty of other Institutions and published 2 articles. Totally, 10 Faculty from various Departments of our Institution published 20 articles (10 - International and 10 - National) in collaboration with various Colleges and Universities.

A total number of 42 Collaborative Activities took place during the Academic Year 2016-2017.


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A REPORT ON THE COLLABORATIVE ACTIVITIES (2017-2018)

During the Academic Year 2017-2018, 7 Faculty from our Institution served as Doctoral Committee members at various Colleges and Universities.

Two Faculty members from the Departments of Mathematics and Chemistry served as Co-guides for the Research Scholars from other Institutions. One Faculty from the Department of Tamil collaborated and worked with other Institutions. A Faculty served as Ph.D. Viva-Voce Examiner for 2 Research Scholars from other Institutions. A Faculty from the Department of Tamil had been a Subject Expert in an Interview Board of a University as a Collaborative Activity. A Faculty from the Department of Chemistry participated in an International Conference (5th International Bau Drug Design Congress) at Istanbul, Turkey.

During the year 2017-2018, 5 Faculty from our College have collaborated with the Faculty of various Colleges and Universities as a part of Faculty Exchange Programme in which or Faculty acted as Resource Persons and delivered 12 Guest Lectures. Two of the Faculty of our Institution had been Subject Experts in 2 Boards of Studies Meetings. 11 Faculty members from the Departments of Physics, Mathematics, Botany, Computer Science, Commerce and Chemistry of our Institution published 26 articles in total in various National and International Journals. In collaboration with the Journal of *Pragnavi*, a Faculty from the Department of English served as a member of its Editorial Board.

A total number of 78 Collaborative Activities took place during the Academic Year 2017-2018.

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A REPORT ON THE COLLABORATIVE ACTIVITIES (2018-2019)

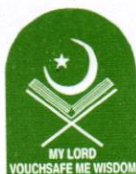
During the Academic Year 2018-2019, 4 Faculty members from the Departments of Arabic, Microbiology, Tamil and Chemistry served as Subject Experts in 5 Boards of Studies Meetings in collaboration with various Colleges and Universities. 15 Faculty members from the Departments of Tamil, English, History, Commerce, Mathematics, Microbiology, Chemistry and Zoology collaborated with various Institutions and represented themselves as Doctoral Committee members.

Faculty members from different Departments such as Mathematics, Computer Applications, Physics, Botany, Commerce, Computer Science, English and Chemistry collaborated and published 24 articles in various National and International journals. The total number of the Faculty who collaborated and published articles in reputed journals was 14.

Faculty members from the Departments of English, Chemistry, Commerce, Microbiology and Tamil from our Institution collaborated with other Colleges and Universities by being the Resource Persons for Guest Lectures. The total number of the Faculty who collaborated and delivered the lectures was 6.

A Faculty from the Department of English collaborated with a Collaborative Agency as an Editorial Board member for a Journal. A Faculty from the Department of Mathematics had been a Judge for Paper-Presentation Competition in a College. A Faculty from the Department of Chemistry collaborated with an Institution as an External Auditor.





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A Faculty from the Department of Chemistry collaborated with another Institution and had been a part of NAAC Orientation Programme. A Faculty from the Department of Chemistry collaborated with another College and served as a NAAC Revised Accreditation Mentor.

27 students from our Institution completed their Internships and got certifications. They collaborated with different agencies of their respective fields in and around Tirunelveli and Thoothukudi.

National Programme on Technology Enhanced Learning (NPTEL) is a digital platform launched by the Ministry of Education to offer Online Certification Courses in all disciplines by the Indian Institute of Technologies and Indian Institute of Science. Our College collaborated with IITs from Chennai, Kharagpur, and Bombay to offer SWAYAM-NPTEL Online Certification Courses for Faculty members and Students.

A sum of 74 Faculty Members and Students successfully completed NPTEL Courses. Among them, 21 were Elites, 6 received Elite with Silver Certification and 2 got Elite with Gold Certification from Indian Institute of Technology (IIT), Madras in collaboration with NPTEL during the Academic Year 2018-2019.

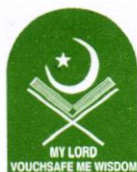
A total number of 211 Collaborative Activities took place during the Academic Year 2018-2019.

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A REPORT ON THE COLLABORATIVE ACTIVITIES (2019–2020)

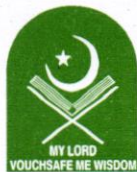
During the Academic Year 2019–2020, 13 Faculty members from our College collaborated with various Colleges and Universities to execute 46 Faculty Exchange Programmes in which our Faculty served as Resource Persons and Subject Experts. The number of Faculty who collaborated with different Institutions to represent themselves as Doctoral Committee members is 15. The number of Collaborative Activities under such Doctoral Committee Meetings is 79.

The College Faculty served as Co-guide for Ph.D. Scholars of the Collaborating Institutions and three Faculty members served as such Co-Guides for about 4 Scholars. A Faculty from the Department of English collaborated with a collaborative agency as the member of Editorial Board for a Journal. For the Student Internship activity, 34 Faculty members involved in the Collaborative Activities with other agencies through which students from the collaborating Institutions were exchanged to accomplish their internships.

Publication is another Collaborating Activity where our College Faculty contributed vastly. In total, 16 Faculty members of our College in collaboration with Faculty members from other Institutions published 30 Research Articles in National/International Journals that come under UGC CARE-List.

A Student from the Department of Chemistry was selected for a Collaborative Activity related to research with Indian Institute of Science, Bangalore. She was awarded the Summer Research Fellowship by the Institute for a duration of 8 weeks.





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National Programme on Technology Enhanced Learning (NPTEL) is a digital platform launched by the Ministry of Education to offer Online Certification Courses in all disciplines by the Indian Institutes of Technology and Indian Institutes of Science. Our College collaborated with IITs from Chennai, Kharagpur, and Bombay to offer SWAYAM-NPTEL Online Certification Courses for Faculty members and students. An Eight-week SWAYAM-NPTEL Online Certification Course was made mandatory for UG and PG students. Two credits were awarded on successful completion of the NPTEL Courses. Interested Students and Faculty members also enrolled for Four-week and Twelve-week Courses and completed the Courses successfully. The Faculty members were issued a Faculty Development Programme Certificate for the completion of an Eight-week NPTEL Course.

671 Faculty members and Students appeared for the Online NPTEL Examinations in this academic year. During Jan-Apr 2021, a sum of 51 Faculty and Students was awarded Elite Certificates and 14 Faculty and Students were awarded Elite+Silver Certificates. 40 Faculty and Students secured Elite Certifications and 21 Faculty and Students secured Elite+Silver Certifications during Jul-Oct 2019. The above Collaborative Activities are carried out for research and academic purposes.

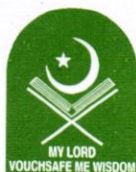
A total number of 872 Collaborative Activities took place during the Academic Year 2019-2020.

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A REPORT ON THE COLLOBRATIVE ACTIVITIES (2020-2021)

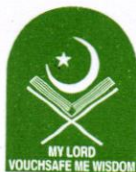
During the Academic Year 2020-2021, Faculty from our College collaborated with various Colleges and Universities as part of the Faculty Exchange Programmes and served as Resource Persons/Subject Experts. Our Faculty delivered Guest Lectures and represented the Institution as a Ph.D. Co-guides for Scholars of various Colleges and Universities.

Three of our College Faculty served as Subject Experts in Boards of Studies of other Institutions. 151 Faculty members of our esteemed Institutions served as Doctoral Committee members to monitor the progress of Research Scholars at various Institutions. Eight Faculty served as Co-guides as collaborative efforts aimed at enhancing the integrity of Research.

One of our Faculty have collaborated a Project Report with Department of Pharmaceutics, Vadakkangulam on the title “ Plant Authentification”. One Faculty served as a member in Editorial Board of a Journal. One of our Faculty was a Committee Member of ATAL Establishment. A Sum of 70 Faculty published their Research Articles in UGC CARE-Listed Journals/Proceedings as Collaborative initiatives. 30 Faculty members delivered Guest Lectures in various other Institutions.

National Programme on Technology Enhanced Learning (NPTEL) is a digital platform launched by MoE to offer Online Certification Courses in all disciplines by the IITs and Indian Institutes of Science. Sadakathullah Appa College collaborated with IIT Chennai, IIT Kharagpur and IIT Bombay to offer SWAYAM-NPTEL Online Certification Courses for Faculty and Students.





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The Ministry of Education recognized the College as a SWAYAM-NPTEL LOCAL CHAPTER (No.1917) and The Local Chapter was inaugurated at the College. A Two Credits, Eight-week SWAYAM-NPTEL Online Certification Course was mandated for the UG and PG Students.

Students pursued online NPTEL Courses in Consumer Behaviour, Foundation Course in Managerial Economics, Employment Communication, Principles of Human Resource Management, Development of Sociology in India, Emotional Intelligence, Soft Skills Development, Introduction to Psychology, Effective Writing, Superconductivity, Electronic Waste Management-Issues and Challenges, Basic Linear Algebra, Enhancing Soft Skills and Personality, Environmental Quality and Monitoring Analysis, Psychology of Stress, Health Well-being, Computer Networks and Internet Protocol, Basics of Language Science, Basic Real Analysis, Industrial Inorganic Chemistry, Atmospheric and Space Sciences, The Joy of Computing using Python, Marketing Essentials, Knowledge Management, Cell Cultural Technologies, Organic Farming for Sustainable Agriculture Production, Globalization and Culture, Operating Systems, Operational Research, Entrepreneurship & Short Fiction in Indian Literature.

Out of 545 Faculty and Students who appeared for the Online Examinations, 255 were Elites, 54 got Silver Medal Certifications and one student received Gold Medal Certification in the Examinations conducted by Indian Institutes of Technology and Indian Institutes of Science.

A total number of 852 Collaborative Activities took place during the Academic Year 2020-2021.


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