



ARIGNAR ANNA GOVERNMENT ARTS AND SCIENCE COLLEGE, KARAİKAL

52nd ANNUAL REPORT 2020-21

INTRODUCTION

52nd Annual day Report. The 14th day of July 1967 marked a significant and initial landmark in the progress of higher education in Karaikal region of the Union Territory of Puducherry when the Modern College affiliated to the University of Madras was inaugurated by His Excellency Thiru S.L. Silam the then Lieutenant-Governor of Puducherry.

The B.A./B.Sc. degree courses in Economics, Mathematics and Chemistry (major subjects) were started in July 1968. In December 1969 the college was re-named Arignar Anna Government Arts College at once imparting a new significance and dimension to the ideals for which the college stands, as well as with a view to commemorate the name of the great leader 'PERARIGNAR ANNA'. It has become a full-fledged degree college during the academic year 1970-71.

At present, Our College offered 09 UG Courses. There are 1039 students are studying in UG courses. There are 47 faculty members are working in our college. Among these faculty members, 27 of them acquired Ph.D. Degree.

UNIVERSITY RESULTS

Sl. No.	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in the final year examination	Pass Percentage
1	BA	TAMIL	35	35	100.0
2	BA	ECONOMICS	48	43	89.6
3	BCOM	COMMERCE	50	50	100.0
4	BSC	MATHEMATICS	15	15	100.0
5	BSC	PHYSICS	19	18	94.7
6	BSC	CHEMISTRY	23	23	100.0
7	BSC	ZOOLOGY	32	16	50.0
8	BSC	COMPUTER SCIENCE	34	34	100.0

SEMINARS AND WORKSHOPS CONDUCTED

Total four workshops and seminars have been conducted.

Sl. No.	Name of the workshop/ seminar	Organizing body	Number of Participants	Date From – To
1	Online Workshop on Google Apps for Virtual Teaching	Department of Chemistry	60	20.07.2020
2	National Virtual Workshop	Department of Economics	54	11.07.2020
3	National Workshop On Advanced Materials for Energy Conversion and Storage	Department of Physics	180	27.02.2020
4	One day International Webinar on 3D printed Bio ceramics for medical applications	Department of Physics	180	20.05.2020

PAPER PRESENTED / BOOKS EDITED/CHAPTER / PROCEEDINGS

Sl. No.	Name of the teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	National / International
1	R SHANMUGAM		Optimization-based Resource Allocation for Cloud Computing Environment	Proceedings of International Conference on Recent Trends in Machine Learning, IoT, Smart Cities and Applications ICMISC 2020 © Springer Nature Singapore Pte Ltd. 2021	International Conference on Recent Trends in Machine Learning, IoT, Smart Cities and Applications ICMISC 2020	International
2	R SHANMUGAM		A LITERATURE REVIEW ON IMPROVING QUALITY OF SERVICE IN CLOUD COMPUTING	Kala : The Journal of Indian Art History Congress	INDIAN ART HISTORY CONGRESS GUWAHATI (ASSAM)	National

3	Dr. K.K. Purushothaman	Monoelements: Properties and Applications	Supercapacitor Electrodes Utilizing Graphene-Based Ternary Composite Materials			International
4	P.Archana, T.Megala, D.Udaya, S. Prabavathy	Big Data Management in Sensing-/Classification of Histopathological Variants of ORAL Squamous cell carcinoma using CNN				International
5	N. Saravanan, and A. Senthil Kumar	Book Name- Methods in Enzymology, Chapter Eleven, Molecularly wiring of glucose oxidase enzyme with Mn polypyridine complex on MWCNT modified electrode surface and its bio-electrocatalytic oxidation and glucose sensing.				International

RESEARCH PAPERS PUBLISHED

Total 14 research papers have been published.

SL. No.	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication
1	Computationally approached inhibition potential of <i>Tinospora cordifolia</i> towards COVID-19 targets	Sushovan Jena, Punnagai Munusami, Balamurali MM, Kaushik Chanda	Chemistry	Virus Disease	2021

2	Frontier molecular orbital analysis Molecular electrostatic potential of 4-(Trifluoromethyl)benzotrile by HF calculations	Dr. M. Govindarajan	Physics	WESLEYAN JOURNAL OF RESEARCH	2020
3	Synthesis and characterization of 3D flower like Co3O4 for supercapacitor application	Dr. K.K. Purushothaman	Physics	AIP conference proceedings	2020
4	Pedagogy of Ecological Intelligence	Dr. Thahira K. K.	Economics	Wesleyan Journal of Research - International Research Journal, (UGC care)Vol 13, No 4	2020
5	How does manufacturing output affect export behaviors in emerging market economies? Evidence from a dynamic panel ARDL for ten biggest emerging market economies	Dr. Vadivel A	Economics	Future Business Journal, 7(26), pp.1-8, Springer	2020
6	A Trajectory between Interior and Exterior: A Study of Psychoanalytic Self and Ecological Self rendered in the Poetry of Shiv K. Kumar	S Gnanaprakasam	English	Turkish Online Journal of Qualitative Inquiry	2021
7	Repetitive Tobit Regression Dynamic Weights Allocation for Host Detection in Cloud Computing	R SHANMUGAM	Computer Science	International Journal of Advanced Science and Technology	2020
8	Performance Analysis of Resource Allocation Strategy based on Optimization Techniques in Cloud Computing	R SHANMUGAM	Computer Science	Journal of Xidian University	2020
9	OPTIMIZATION BASED VIRTUAL MACHINE CONSOLIDATION APPROACH FOR ENHANCING THE QUALITY OF SERVICE IN CLOUD COMPUTING	R SHANMUGAM	Computer Science	Journal of the Maharaja Sayajirao University of Baroda	2020
10	TOURISTS PERSPECTIVE TOWARDS TOURISM IN VELLANKANI, NAGAPATTINAM DISTRICT	Dr. V.G.GEETHA	Commerce	OUR HERITAGE	2020

11	Electrocatalytic Reduction of CO ₂ to Ethylene by Molecular Cu-Complex Immobilized on Graphitized Mesoporous Carbon	M. Balamurugan, H. Ha, Y. H. Lee, N. Saravanan K. T. Nam et.al	Chemistry	Small (Wiley)	2020
12	Graphitized Mesoporous Carbon Surface-Confined Ruthenium(IV)-Oxo Complex Electrocatalyst for Methanol Oxidation Reaction in Neutral pH	N. Saravanan, Mansi Gandhi and A. Senthil Kumar	Chemistry	J. Electroanal. Chem.,	2020
13	Vitamin B12 (Cyanocobalamin Complex) Immobilized Graphene Oxide for Efficient Electrocatalytic Carbon Dioxide Reduction Reaction	N. Saravanan, M. Balamurugan, K. S. Shalini Devi, K. T. Nam and A. Senthil Kumar,	Chemistry	ChemSusChem	2020
14	INFLUENCE OF HALL EFFECTS ON PERISTALTIC FLOW OF A CARREAU FLUID IN AN ASYMMETRIC CHANNEL	N. MAHESHBABU	Mathematics	Journal of Mathematical and Computational Science	2021

STUDENT PROGRESSION

Total 54 students have joined higher studies after completion of UG Degree.

NCC REPORT

Various activities were carried out by the NCC Company of this institution during the training year 2020-21 as follows:

- Profile:** The NCC company Arignar Anna Government Arts & Science College, Karaikal having the strength of 100 SD and SW cadets of Army wing under the aegis of 2 (P) Indep Coy NCC, Karaikal and the same is officiated and commanded by one Care Taker Officer Major Dr. V.Sivakumar
- Result:**
 1. The passing percentage of NCC "C" Certificate Exam is 100%.
 2. The passing percentage of NCC "B" Certificate Exam is 100%.
- Camp Activities:** All SD & SW Cadets of this Institution were participated in numerous camps such as ATC, CATC, TSC, RDC and NIC etc during the training year and won the various prizes and awards with due appreciations.

- **Achievements:** The College NCC Unit secured Best Contingent Award in the Independence Day, Republic Day and Puducherry Liberation Day celebrations conducted by District Administration of Karaikal.
- **Social Service Activities:** Our Cadets are also actively participated in the social service activities such as Blood donation and Tree plantation drive etc. Also NCC Unit of this Institution have Participated in various awareness Online Programmes such as Anti-Tobacco, Anti-Malaria, AIDS awareness Programme, water conservation Rally, Beach Cleaning Programme along with Indian Coast Guard, Karaikal and effectively took part in the Clean India Campaign.

NSS REPORT

The National Service Scheme (NSS) is a Central Sector Scheme of Government of India, Ministry of Youth Affairs & Sports. It provides opportunity to take part in various government led community service activities & programmes. The sole aim of the NSS is to provide hands on experience to young students in delivering community service. Since inception of the NSS in the year 1969, the number of students strength increased from 40,000 to over 3.8 million up to the end of March 2018 students in various universities, colleges and Institutions of higher learning have volunteered to take part in various community service programmes.

NSS unit of our college has conducted *various programmes for the year 2020-2021* which include various indoor and outdoor programmes. Moreover, NSS unit activities for 2020 -21 such as NSS Parades for Independence Day, Republic day, adoption of village, Awareness rallies, crowd controlling duties, various awareness programmes, campus cleaning, tree planting, mock drills, Webinars, Online Quiz, etc. Our College NSS Unit Comprising of 110 NSS Volunteers among them 70 female and 40 male volunteers on the roll. Fifty NSS Volunteers enrolled from first year, 30 students from second year and 30 students from final year.

One of our NSS Volunteer Vinoth Kumar from III year B.Sc Zoology was selected for the National Republic Day Parade -2021 in South Zone NSS PRD camp at Trichirappalli. He was performed March Fast in the National NSS Contingent at Rajpath, New Delhi during Republic Day 2021.