

ARUL ANANDAR COLLEGE (AUTONOMOUS)

(Affiliated to Madurai Kamaraj University)

(Re-accredited by NAAC at 'A' Grade with a CGPA of 3.66 & DST – FIST Sponsored College)

Ananda Nagar, Karumathur - 625 514, Madurai, Tamil Nadu

Website: www.aactni.edu.in



A SOCIALLY RELEVANT, PEOPLE-CENTERED AND MULTI-DISCIPLINARY ACADEMIC PROGRAM RURAL DEVELOPMENT SCIENCE

Department of **RURAL DEVELOPMENT SCIENCE**

(Centre for Research)

E-mail: royalrds2016@gmail.com



THE DEPARTMENT

பட்டிமன்றம் நோக்கி பல்கலைக்கழகம்
“University Towards Villages”

- Rev. Fr. S. Rajanayagam S.J.,



- The department of Rural Development Science began its modest mission in 1973 with the introduction of undergraduate course in Rural Development. The department was started with a vision to empower the rural poor students for an integrated human resource development.
- In the midst of innumerable academic programmes offered by ever growing number of academic institutions, an unique academic programme titled “Rural Development Science” is offered by Arul Anandar College (Autonomous). The College is affiliated to Madurai Kamaraj University and assumes greater importance due to its multi-disciplinary features.
- The base of this academic programme was built by Rev. Fr. S. Rajanayagam S.J., and Dr.S.Jeyaraj, Former Vice Chancellor, TNAU. It was constructed on a firm but radical pedagogic principle of “University towards Villages”.
- The pioneering endeavour in the academic programme was duly recognized by both the Tamil Nadu Public Service Commission (vide letter No.80263/G1/76-12 dated 23.09.1977 and the Union Public Service Commission (vide letter No.F.1/17/76-E.II, , dated 2nd August 1976)
- The Department was elevated to PG level (M.Sc., RD), in the year 1983. The P.G programme was restructured and modified as M.Sc. Dairy Science and Rural Management(DS&RM) from the academic year 2014 – 15.
- This was done with the aim of widening the job opportunities for the students of DS & RM. Conception and Concretization of Rural Development Science as an academic programme is nothing but the commitment of this institution in building a strong and vibrant nation.

MILESTONES

1973	Department was Established & B.Sc., RDS offered
1983	M.Sc. Program in RD offered
2001	Upgraded as Research Center
2003	CBCS was introduced
2013	M.Sc. RD Program was renamed as Dairy Science and Rural Management
2018	Introduction of 3 specializations - Agriculture, Animal Husbandry and Social Science in the II year UG Program
2019	OBE Syllabus was introduced for UG
2020	OBE Syllabus was introduced for PG

FACULTY PROFILES

SOCIAL SCIENCE



Dr. L. Arockia Raj
M.Sc., Ph.D.
Associate Professor & Head



Dr. A. Thomas William
M.S.W, Ph.D. UGC PDA
Associate Professor



Dr. S. Arul Prasad
M.S.W, PGDPM, Ph.D.
Assistant Professor.



Rev. Dr. Sebastian Mahimai Raj
M.S.W, M.Phil., PGDHRM, Ph.D.
Assistant Professor



Dr. S. Abirami
MA, M.Sc.(Psy), M.Phil. Ph.D.
Assistant Professor



Mr. Arockia Maria Michael Raja
M.S.W., M.Phil., NET
Assistant Professor



Mr. A. James
M.S.W., M.Sc., M.Phil, SET
Assistant Professor



Mr. A. Anthony Raj
MA., M.Phil., NET
Assistant Professor



Rev. Fr. S. Jayaseelan S.J.
M.S.W, MA, MBA, NET
Assistant Professor

AGRICULTURE



Dr. Ambudoss Arvind
M.Sc.(Ag). Ph.D.
Associate Professor



Ms. M. Pandeewari
M.Sc., M.Phil., NET
Assistant Professor



Dr. C. Mabel Joshaline
M.Sc.(Ag). Ph.D. NET
Assistant Professor

ANIMAL HUSBANDRY



Dr. S. P. Malarkannan
M.V.Sc., Ph.D. NET
Assistant Professor



Dr. S. Jegan Karupiah
M.Sc., Ph.D. NET
Assistant Professor

BIOLOGICAL SCIENCE



Dr. G. Adaikala Raj
M.Sc., Ph. D
Assistant Professor
Botany



Dr. C. Justin David
M.Sc. M.Phil. Ph.D., PDA (USA), YS (DST)
Assistant Professor
Zoology

UG & PG PROGRAMMES

Undergraduate Programme in Rural Development Science - B.Sc., RDS

- Taking cognizance of the appalling poverty, socio-cultural ills, deprivation of educational opportunities that overwhelmed the erstwhile de-notified and poor inhabitants of rural community, a socially relevant, people centered and multi-disciplinary academic programme was designed as “Rural Development Science”.
- The Undergraduate programme in Rural Development Science was launched in the year 1973 in Arul Anandar College, with due approval of the Madurai Kamaraj University, Madurai.
- The three year undergraduate programme in Rural Development Science is completely imbued with the vision, mission and the objectives of the college and the department.
- The B.Sc. RDS curriculum is formulated with a uniqueness of Integrated Rural Development approach. It contains an eclectic combination of knowledge areas drawn from different disciplines and positively associated with the livelihood systems at the grass-root level.
- Hence the interdisciplinary curriculum was designed with the following disciplines: Biological science, Agriculture, Animal Husbandry and Social science. This UG course will make the dreams come true of our founding father Rev. Fr. S. Rajanayagam’s Motto “University Towards Villages”.

The Curriculum structure has both knowledge and skill components.

The Knowledge components are given to the students through

ICT ENABLED CLASS ROOM TEACHING

PEER LEARNING

GROUP DISCUSSION

NET BASED ASSIGNMENTS

The Skill components are imparted to the students through

CONCURRENT FIELD WORK

INTERNSHIP

BLOCK PLACEMENT

FIELD / FARM VISIT

HANDS - ON TRAINING

VILLAGE CAMP

The Programme offers varied interdisciplinary subjects that enrich knowledge and skills related to the following areas.



SIGNIFICANT ACTIVITIES IN UG PROGRAMME

Village camp

Village camp is a "live in experience programme" of the IRD practical in the I semester. It is one of the mandatory exercises for the students that provide opportunity to interact with villages and enhances Reciprocal learning from rural communities.



Internship Training

Internship Training is one of the essential components in B.Sc Rural Development Science programme. It is offered to the III B.Sc students during sixth semester to equip them with professional knowledge and skills as it paves way for employment opportunities. Internship is part and parcel of the Integrated Rural Development (IRD) practical in the sixth semester and also a partial requirement for completion of B.Sc., RDS programme.

The main aim of the Internship Training is to interrelate the theory with practice to make them as 'Rural Development Personnel'. It gives practical skills and professional training in the fields of NGO Management, Agricultural Science and Animal Husbandry.



Postgraduate Programme in Dairy Science and Rural Management - Msc., DS&RM

The B.Sc.RDS Course was elevated to M.Sc.RD in 1983. The P.G programme was restructured and renamed as M.Sc. Dairy Science and Rural Management from the academic year 2014 – 15.

The objectives of PG course on Dairy Science and Rural Management are as follows

- To enable the students to understand the principles, the functions and the process of Rural Management
- To enable the students to carry out scientific, social and experimental research
- To make them acquire entrepreneurial skills to manage cottage, small and large scale industrial units
- To impart advanced knowledge on techniques of dairy technology, dairy products production and marketing
- To promote aptitude for relevant research in Rural Development

SIGNIFICANT ACTIVITIES IN PG PROGRAMME

Summer Block Placement

Block Placement Programme is one of the important components of the Post Graduate programme in M.Sc., Dairy Science and Rural Management. It is a separate programme in the Second Semester which will be done during the month of April and May. It is a partial requirement for the completion of the PG Course. Two (2) credits are allotted for this programme. The Block Placement Programme aims at Skill Oriented Training of the students in the field of Dairy Science and Rural Management.

The programme aims to make the students as Personnel based on the theoretical and practical knowledge they acquired in the class room/lab/field. The students may be placed in any one of the industries/ institutions/ agencies related to the subject areas taught in Dairy Science and Rural Management.

PG PROJECT WORK

Project work is an important and mandatory part of the Post Graduate programme in M.Sc. Dairy Science and Rural Management. It aims at initiation of research thirst in the minds of Post Graduate students in the field of Dairy Science and Rural Management during their IV semester. The project work dissertation submission is a partial requirement for the completion of PG programme. 12 hours per week are allotted for the project work with 5 credits. The students may choose any research topic related to the subjects taught in the PG programme i.e. Agriculture, Animal Husbandry and Rural Management.



Centre for Research

The Department was designated as an Approved Research Centre by Madurai Kamaraj University in 2001.

- Projects Completed: 9
- Projects ongoing: 3
- Books Published: 10
- Research Publications: 54
- Guideship: 5
- Scholars Registered: 14
- Scholars awarded: 2
- Patents: 4



NODAL CENTRE

The Department of RDS acts as a Nodal Centre for the following :

- ACPR** - Arrupe Centre for Policy Research
- ARISE** - Arul Anandar Initiatives for Social Education
- RADAR** - Rural Action Development and Research

MoUs

The Department of RDS has signed many MoUs with NGOs/ Industries/ agencies to facilitate Collaborative learning. The list is as follows:

- ★ Association for Rural Development
- ★ Sree Krishna Breeding Farm
- ★ R.S. R Feeds and Foods
- ★ Kasimeena Dairy Products, (Madurai)
- ★ S.K.N. Poultry Care, (Perundurai)
- ★ Dream Trust, (Dindigul)
- ★ SNP Dairy Milk, (Madurai)
- ★ S.K.N Nutrients, (Perundurai)
- ★ Holy Cross Social Centre
- ★ SHANTHA MANAS, (Madurai)



NGO Visits



SKN Poultry Farm



Entrepreneurship Training

INFRASTRUCTURE

The department boasts of several facilities including a separate department library, Computer equipped research scholars room, separate lab for IRD/Biology and Feed analytical / microbiology lab with sophisticated latest equipment to enhance knowledge and cater to the practical needs of students.

The department also has smart classroom facility for undergraduates and postgraduate students. The department has several other research facilities including Laboratory for Water, Soil and Feed analysis, Dairy Microbiology and Experimental farms for Dairy, Turkey, Poultry and Piggery farms.

The Department of RDS has a Veterinary Extension unit called VETEX where students practice artificial insemination, pregnancy diagnosis etc., and do lot of practicals related to Animal Husbandry specialization.



BIOLOGY / RDS LAB



SOIL/WATER/FEED ANALYSIS LAB



MICROBIOLOGY LAB



RDS LIBRARY



SMART CLASS ROOM



MUSHROOM UNIT



DAIRY FARM



PIGGERY FARM



AGRICULTURE FARM

FACULTY ACHIEVEMENTS:

International Visits - As Resource Persons

1. **Dr. Sebastian MahimaiRaj** Visited St. Pauls University, Philippines and Asian Pacific University and Kumbamoto University, Japan (2016-17)
2. **Dr. S. Arul Prasad** Visited Delasal University, Philippines (2019)
3. **Dr. S. Jegan Karupiah** Visited Open University, Scotland, UK (2019)

Awards and Honours

1. **Dr. S Arul Prasad** received AIACHE Best Innovative Faculty Award (2021)
2. **Mr. A Arockia Maria Michael Raja** received NCC PRCN award (Silver medal) 2019
3. **Dr. G.Adaikala Raj** received Student Project Award (INSC) 2019
4. **Mr. A. James** received Best Award for Excellence in Extension 2018



RDS Association

The department has an RDS Association and the main aim of this association is to facilitate the students and enkindle them to perform better in all academic, extracurricular and sports activities. The Association periodically conducts Alumni meetings.



STUDENT ACTIVITIES

1. ARISE Best Award 2016-17
2. Third prize in march-past in the 49th Annual sports meet held in AAC on 4th August, 2018.
3. 12 Students participated in workshop cum symposium on Child Marriage conducted by Dept. of Social Work and Dept. of Home Science of Stella Maris College, Chennai in collaboration with UNICEF on 12th Feb 2018.
4. Students participated in One day training programme on Spark Alive organized by Department of Sociology, Fatima college, Madurai on 17th February, 2019
5. Science Exhibition Award in 2019
6. 6 Students were selected from RDS for Student's Council in Arul Anandar College, 2021
7. Mr Samson (II M.Sc., DSRM) Published wildlife articles in a Photography Collection book, 2021/ received recognition/special mention from BBC Tamil for his service in protecting Snakes, 2021.



Workshop cum symposium on Child Marriage



Saral Award



Science Exhibition Model



Youth symposium

Seminars and Conferences

The department organizes State-level/ National-level seminars and conferences regularly in collaboration with Government agencies like UGC, DST, TNSCST etc. The seminars and conferences throw light on contemporary issues related to rural development and bring out their relevance to add awareness and knowledge-upgradation of the students.

The students gain expertise from this kind of seminars and conferences through their active participation and make use of the opportunities to interact with resourceful resource persons.

0. UGC Sponsored State Level Seminar on “ Millets – A Gold Coin” to promote women Agripreneurship (10th February, 2017)
0. Three day National Conference on Social Media: Authentication & Social Transformation in 2019 (30th Jan - 2nd Feb, 2019)
0. TNSCST sponsored Three day training program on, “Innovative technology in promoting value added products of minor millets to promote Women Agripreneurship”. (11th March - 13th March, 2019)
0. The department of RDS Organized PASHU MELA an exhibition of different breeds of cattle, birds, goat and dogs in Arul Anandar College. (27th Jan, 2020)



Conference on Social Media



Workshop on Fruits & Vegetables Preservation

Best Practices

Department acts as Nodal Center for the following extension units of the college.

- ▶ ACPR – Aruppe Center for Policy Research , RADAR – Rural Action for Development and Research , ARISE – Arul Anandar Initiative for Social Education
- ▶ Mentoring by Alumni
- ▶ Earn while you Learn
- ▶ Hands on Training/ workshop in Fruits & Vegetables Preservation



Mentoring
by Alumni



Earn while you Learn



Fruits & Vegetables Preservation



Agripreneurship

VETEX

VETEX- Veterinary Extension Centre is run by the department. VETEX disseminates scientific knowledge and services related to Animal Husbandry to the farmers through the RDS students. It also trains the RDS students in Clinical, Animal health management and Breeding skills.

VETEX – Veterinary Extension Center



Student's Training- Pregnancy Diagnosis



Students Training- Castration



Students Training –Vaccination



Farmers Training



Village Camps- Vaccination & Infertility



Scope

The course structure and the functional mode of the department of Rural Development Science collectively provide an integrated professional training to the students. Ample opportunities are generated for the students in the department through Seminars, Conferences, Workshops, Training Programmes, Village Camps, Farm Visits, Veterinary Camps, Internship Programmes, Block Placements and Collaborative efforts with other rural development agencies, NGO & Rural industries. In turn, indeed, these opportunities facilitate and accelerate the quest of the students to become Rural Development Personnel and they act as a catalyst for social change.

After the successful completion of UG Rural Development Science and PG Dairy Science and Rural Management, they have plenty of avenues to work, serve and excel in future either as employed or self-employed individuals. The following are some of the expanses for the students:

- ◆ Entrepreneurial venture in Agriculture, Animal Husbandry and Social Science.
- ◆ Govt. Project Co-ordinators
- ◆ Government Development Sectors
- ◆ Agriculture Field Officers
- ◆ Block Development Officers
- ◆ Policy Makers
- ◆ Social Workers
- ◆ NGO Personnel
- ◆ Employability in Dairy Units / Plants
- ◆ Veterinary Field Assistants
- ◆ Livestock Farm Managers and Supervisors
- ◆ Placement in Extension Works
- ◆ Freelance Consultants

