

III. TEACHING

A. EDUCATION

1. Teaching Institutes

Acharya N.G. Ranga Agricultural University offers both undergraduate and postgraduate programmes in the faculties of Agriculture and Home science. During the year 2008-09, four new colleges were started in the faculty of Agriculture viz. Agricultural College, Jagtial, Karimnagar Dist., Agricultural College, Rajahmundry, East Godavari Dist., College of Agricultural Engineering, Madakasira, Anantapur Dist. and College of Food Science & Technology, Pulivendula, Kadapa Dist. Acharya N.G. Ranga

Agricultural University at present has eight Agricultural Colleges, two Colleges of Agricultural Engineering and two Colleges of Food Science & Technology under the Agriculture Faculty and one College of Home Science under the Home Science Faculty. In addition to these, there are ten Agricultural Polytechnics and one seed technology polytechnic, offering two-year post-matric diploma programme.

The list of Colleges and Polytechnics with their location, year of establishment and courses offered is given in Table 2.

Table 2 : Teaching Institutes

S.No.	Teaching Institute with Location	Year of Establishment	Name of the Associate Dean / Principal	Courses Offered
(1)	(2)	(3)	(4)	(5)
Faculty of Agriculture				
1.	College of Agriculture Rajendranagar, Hyderabad – 500 030	1946	Dr. B. Bucha Reddy	B.Sc. (Ag.), B.Sc. (C.A. & B.M.) M.Sc. (Ag.), M.Sc. (Ag. Biotech.), M.A.B.M., M.Sc. (Envi. Sci. & Tech.) and Ph.D.
2.	Agricultural College Bapatla – 522 101 Guntur Dist.	1945	Dr. K. Bhaskar Rao (up to 30.04.2009) Dr. M. Subba Rao (01.05.2009 onwards)	B.Sc. (Ag.), M.Sc. (Ag.) and Ph.D.
3.	S.V.Agricultural College Tirupati – 517 502 Chittoor Dist.	1961	Dr. N. Ramavataram	B.Sc. (Ag.), M.A.B.M., M.Sc. (Ag.) and Ph.D.
4.	Agricultural College Mahanandi – 518 502 Kurnool Dist.	1991	Dr. T.V. Chalam	B.Sc. (Ag.)
5.	Agricultural College Aswaraopet – 507 306 Khammam Dist.	1989	Dr. N.A. Ansari	B.Sc. (Ag.)
6.	Agricultural College Naira – 532 185 Srikakulam Dist.	1989	Dr.M.Venku Naidu	B.Sc. (Ag.)

(1)	(2)	(3)	(4)	(5)
7.	College of Agricultural Engineering Bapatla – 522 101 Guntur Dist.	1990	Dr. T.V. Satyanarayana	B.Tech. (Agril.Engg.), M.Tech. (Agril. Engg.)
8.	College of Food Science & Technology Bapatla – 522 101 Guntur Dist.	1983	Dr. C. Subba Reddy (Upto 30.07.2008) Dr.P.Arjun Rao (01.08.2008 Onwards)	B.Tech. (Food Science & Technology)
9.	Agricultural College Jagtial – 505 327 Karimnagar Dist.	2008	Dr. V.B. Bhanu Murthy (Upto 20.04.2009) Dr. P. Venkateshwar Rao (21.04.2009 Onwards)	B.Sc.(Ag.)
10.	College of Food Science & Technology Pulivendula – 516 390 Kadapa Dist.	2008	Dr. M. Mallikarjuna Reddy Officer-in-charge	B.Tech.(Food Science & Technology)
11.	Agricultural College Rajahmundry – 533 101 East Godavari Dist.	2008	Dr. V. Shankar Rao	B.Sc.(Ag.)
12.	College of Agricultural Engineering Madakasira - 515 301 Ananthapur Dist.	2008	Dr. D. Bhaskar Rao	B.Tech.(Ag.Engg.)
Agricultural Polytechnics				
1.	Agricultural Polytechnic Regional Agricultural Research Station Palem – 509 215 Mahbubnagar Dist.	1989	Dr. T. Nageshwar Rao (Upto 05.03.2009) Dr.T.V.K.Singh (12.03.2009 onwards)	Diploma in Agriculture
2.	Agricultural Polytechnic Regional Agricultural Research Station Jagtial – 505 327 Karimnagar Dist.	1996	Dr. V.B. Bhanu Murthy (Upto 20.04.2009) Dr.P.Venkateshwar Rao (21.04.2009 Onwards)	Diploma in Agriculture
3.	Agricultural Polytechnic Regional Agricultural Research Station Maruteru – 534 122 West Godavari Dist.	1999	Dr. P. Satyanarayana Reddy	Diploma in Agriculture
4.	Agricultural Polytechnic Regional Agricultural Research Station Anakapalle – 531 001 Visakhapatnam Dist.	1999	Dr.S.Ramakrishna Rao	Diploma in Agriculture

(1)	(2)	(3)	(4)	(5)
5.	Agricultural Polytechnic Podalakur – 524 345 Nellore Dist.	2005	Dr. D. Kodandarami Reddy	Diploma in Agriculture
6.	Agricultural Polytechnic, Reddipalle – 515 001 Anantapur	2005	Dr. Y. Padmalatha (from 01.06.2008 to 17.07.2008) Dr. K. Bhargavi (from 18.07.2008 to 31.08.2008) Dr. S.Vasundhara (1.9.2008 onwards)	Diploma in Agriculture
7.	Seed Technology Polytechnic, Rudrur – 503 188 Nizamabad Dist.	2005	Dr. G.E.Ch. Vidya Sagar	Diploma in Seed Technology
8.	Agricultural Polytechnic, Utukur – 516 003 Kadapa Dist.	2005	Dr. M. Subba Rao	Diploma in Agriculture
9	Agricultural Polytechnic, Garikapadu – 521175 Krishna Dist.	2007	Dr. P. Ratna Prasad	Diploma in Agriculture
10.	Agricultural Polytechnic, Madakasira – 515 301 Anantapur Dist.	2007	Dr. V. Uma Mahesh (upto 07.08.2008) Dr. M. John Sudheer (07.08.2008 to 23.09.08) Dr. S.K. Krishnamurthy (23.09.2008 Onwards)	Diploma in Agriculture
11.	Agricultural Polytechnic, Kampasagar – 508207 Nalgonda Dist.	2007	Dr. M. Goverdhan	Diploma in Agriculture
Faculty of Home Science				
1.	College of Home Science Saifabad – 500 004 Hyderabad	1964	Dr. (Mrs.) Vijaya Nambiar (Upto 06.01.2009) Dr.(Mrs.) A.Sharada devi (07.01.2009 Onwards)	B.H.Sc., M.Sc. (H.Sc.), M.Sc. (Food Sci. & Tech.) and Ph.D., P.G. Diploma in Nutritional Therapy and PG diploma in Food Analysis and Quality Control

The organizational structure of teaching institutes is depicted in flow chart II.

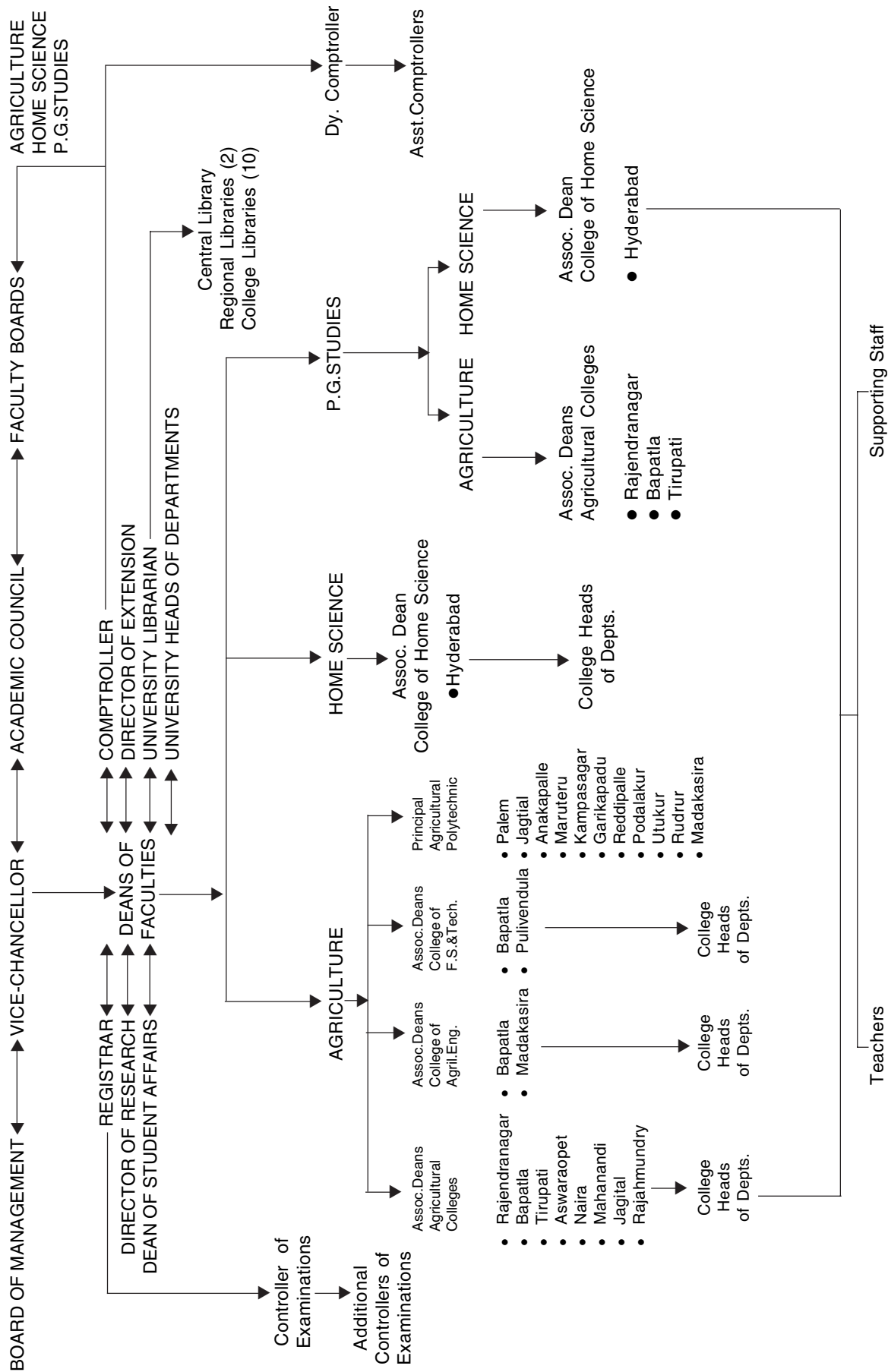
2. Admission Strength and Out turn of Students

During the academic year 2008-09, a total of 1142 students were admitted in the

University. Out of them, 868 were admitted in undergraduate courses, 237 in Masters and 37 in Doctoral programmes. Student enrolment by courses, first year to final year is given in

FLOW CHART – II

ORGANISATIONAL STRUCTURE OF TEACHING INSTITUTES IN ANGRAU



Annexure IV and students strength in various colleges of ANGRAU is shown in Annexure V.

A total number of 1023 students were admitted into the Faculty of Agriculture, comprising of 782 in undergraduate courses, 207 in masters and 34 in doctoral programmes.

During the year 119 students were admitted into the Faculty of Home Science, comprising of 86 in undergraduate, 30 in masters and 3 in doctoral programme.

A total of 498 students were admitted in Diploma courses, comprising of 449 in agriculture, 38 in seed technology, 7 in PG

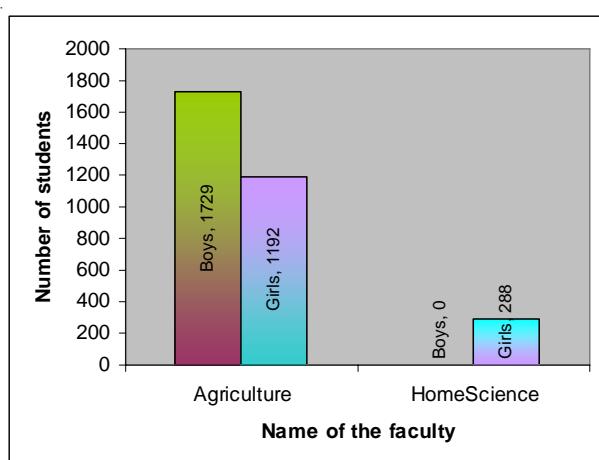
Diploma in Nutrition Therapy and 4 in PG diploma in food analysis and quality control.

A total number of 3953 students were on rolls of the University in different UG, PG, Ph.D. and Diploma programmes. Out of them, 2222 were boys and 1731 were girls. In recent years the girl students strength is increased and at the same time the youngsters who passed 10th class and above are giving much importance to skill oriented diploma courses. The information pertaining to the number of students admitted, students enrolled and Students out-turn during the year is given in Table 3 below.

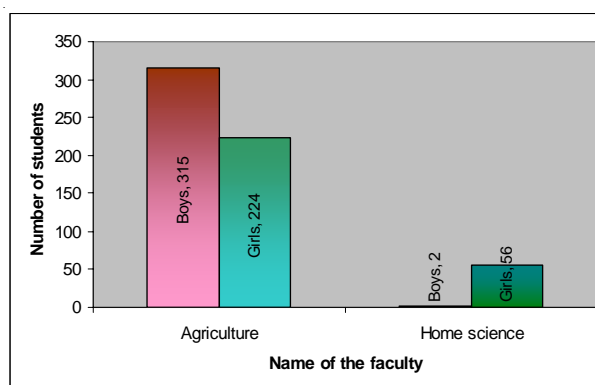
Table 3 : Admission Strength, Students on Rolls and Out-turn of Students under various Programmes During the Year 2008-2009

Degree	Faculty & Course	Intake Capacity	Students Admitted			Students on Rolls (All years)			Students Out-turn		
			Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Faculty of Agriculture											
UG	B.Sc. (Ag.)	400	354	247	601	1148	789	1937	194	125	319
	B.Tech. (Ag.Engg.)	30	35	11	46	102	32	134	20	07	27
	B.Tech. (F.Sc. & Tech.)	40	49	36	85	106	103	209	16	17	33
	B.Sc. (C.A.&B.M)	40	30	20	50	97	70	167	12	15	27
	Total (UG.)	510	468	314	782	1453	994	2447	242	164	406
PG	M.Sc. (Ag.)	137	88	73	161	154	116	270	45	39	84
	M.Sc. (Ag.Biotech.)	10	01	03	04	01	06	07	01	08	09
	M.A.B.M.	20	30	06	36	49	06	55	15	01	16
	M.Sc. (Envi. Sci & Tech)	10	0	01	01	02	01	03	-	-	-
	M.Tech.(Ag.Engg.)	09	05	0	05	09	02	11	-	-	-
	Total (PG.)	186	124	83	207	215	131	346	61	48	109
Doctorate	Ph.D.	55	20	14	34	61	67	128	12	12	24
Faculty of Home Science											
UG	B.Sc.(Hons.) Home Science	80	0	86	86	0	244	244	0	36	36
PG	M.Sc. (H.Sc.)	33	0	14	14	0	24	24	0	11	11
	M.Sc. Food Sci.& Tech.)	20	01	15	16	0	15	15	02	05	07
	Total	53	01	29	30	0	39	39	02	16	18

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Doctorate	Ph.D.	55	0	03	03	0	05	05	0	04	04
Diploma Programmes											
Diploma	Diploma in Agriculture	300	297	152	449	437	223	660	184	91	275
	Diploma in Seed Technology	40	29	9	38	56	17	73	27	8	35
	PG Diploma in Nutritional Therapy	10	0	07	07	0	07	07	01	10	11
	PG Diploma in Food Analysis and Quality control	10	0	04	04	0	04	04	0	0	0
Sub Total (Diploma)		360	326	172	498	493	251	744	212	109	321
Grand Total		1299	939	701	1640	2222	1731	3953	529	389	918



Faculty-wise students on rolls



Faculty-wise students passed

A total number of 597 students comprising of 539 in Agriculture and 58 in Home Science faculties have passed out of the portals of the University. In addition, 321 diploma holders also have passed out during the year.

In the Faculty of Agriculture, 406 undergraduates and 133 postgraduates including 109 at masters level and 24 at doctoral level have passed. In addition, 275 students obtained their diploma in Agriculture, 35 students got diploma in Seed Technology.

In the Faculty of Home Science, 36 undergraduates and 22 postgraduates including 18 at masters level and 4 at doctoral level have passed. In addition, 11 students obtained their PG diploma in Nutritional Therapy.

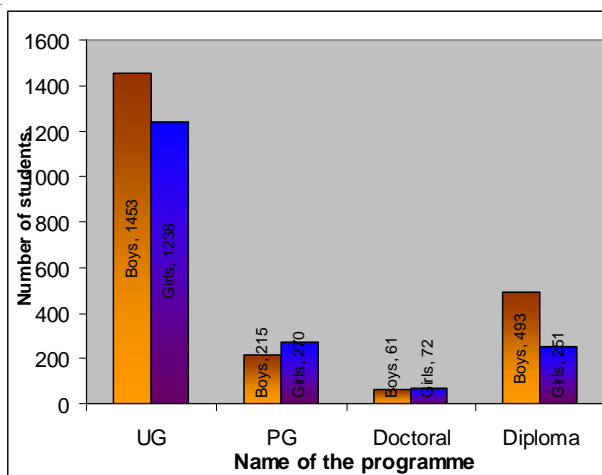
3. Academic Excellence

Seven students of B.Tech.(Ag.Engg.) from college of Agricultural Engineering, Bapatla secured top ranks in GATE-2009 examination.

In 2008 AGRICET a total of 14 students got admitted into B.Sc.(Ag.) from Agricultural Polytechnic, Palem . They secured 1st, 2nd, 4th, 8th, 9th, 10th, 12th, 16th and 18th ranks.

UG Gold Medals

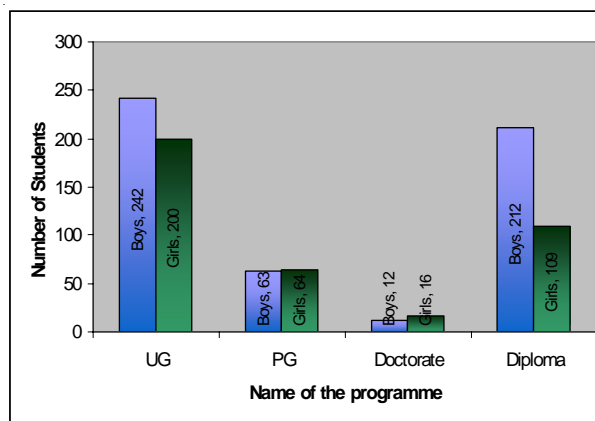
- Sri Neelam Raju Ganga Prasada Rao and Kamala Gold Medal was awarded to Ms.Subhasmita Mohapatra for having completed B.Sc.(Ag.) Degree with the highest OGPA without Absent / F Grade.
- Dr.L. Venkata Ratnam Memorial Gold Medal was awarded to Ms.P. Chandana for having



Gender wise students on rolls

completed B.Sc.(Hort.) Degree with the highest OGPA without Absent / F Grade.

- Mani Matlapudi Memorial Gold Medal was awarded to Ms.Subhasmita Mohapatra for having completed B.Sc.(Ag.) Degree with the highest OGPA amongst the girl students of all Agricultural Colleges of ANGRAU without Absent / F Grade.
- Dr.D. Appa Rao & Smt. Satyavathi Gold Medal was awarded to Mr.L.M.Nagendra Kumar for having completed B.Tech.(Ag. Engg.) Degree with the highest OGPA without Absent / F Grade.
- Dr.B.R. Ambedkar Gold Medal for a student of SC/ST category is awarded to Ms.A. Sailaja Rani for having completed B.Sc.(Ag.) Degree with the highest OGPA without Absent / F Grade.
- Sri Parisa Yanadi Memorial Gold Medal was awarded to Ms.S. Nagamani for having completed B.Sc.(Ag.) Degree with the highest GPA without Absent / F Grade.
- Dr.Kamaraju Mangasri Memorial Gold Medal was awarded to Ms.B.Radhika for having completed B.H.Sc. Degree with the highest OGPA without Absent / F Grade.



Gender wise students passed

- The Srikakulam District Industrial & Commercial Exhibition Society Gold Medal was awarded to Ms.L.P.Latha Kalyampudi for having completed B.Sc.(Ag.) Degree with the highest combined GPA in the subject of Entomology and Plant Pathology at Agricultural College, Naira.
- Sri Sannapa Reddy Konda Reddy & Veeramma Memorial Gold Medal was awarded to Mr.Y. Srikanth Reddy for having completed B.Sc.(Ag.) Degree with the highest OGPA at Agricultural College, Mahanandi.
- Sri Kinjarapu Yerrannaidu award of Gold Medal was awarded to Ms.L.P. Latha Kalyampudi for having completed B.Sc.(Ag.) Degree with the highest OGPA from Agricultural College, Naira.
- The Award of 77 Agri-Cos Gold Medal was awarded to Ms. Srivallidevi for having completed B.Sc. (Ag.) Degree with the highest OGPA at S.V. Agricultural College, Tirupati.
- Mani Mannar Memorial Gold Medal was awarded to Ms.L.P. Latha Kalyampudi for having completed B.Sc.(Ag.) Degree with the

highest GPA in Plant Breeding & Genetics and Plant Pathology at Agricultural College, Naira.

- Late Sri P. Venkata Reddy & P. Eswaramma Gold Medal was awarded to Mr.Y. Srikanth Reddy for having completed B.Sc.(Ag.) Degree with the highest GPA in Genetics and Plant Breeding at Agricultural College, Mahanandi.

PG Gold Medals

- Sri G. Sriramulu Memorial Gold Medal was awarded to Ms.Sesha Mahalakshmi for having completed Ph.D. in the Faculty of Agriculture with the highest OGPA.
- Prof.G.H. Shankar Reddi Memorial Gold Medal was awarded to Ms.N. Sunitha for having completed Ph.D. in the discipline of Agronomy with the highest OGPA.
- Sri Vaddadi Narasimha Swamy Memorial Gold Medal was awarded to Sri V. Sridhar for having completed Ph.D. in the discipline of Genetics and Plant Breeding with the highest OGPA.
- Sri Ramachandrupa Hanumantha Rao & Smt. Rajya Lakshmi Memorial Gold Medal was awarded to Ms.V. Vijaya Lakshmi for having completed M.Sc.(Ag.) Degree in the discipline of Agricultural Economics with the highest OGPA.
- Professor V.V. Kumara Sastry Memorial Gold Medal was awarded to Ms.V. Sneha Ponna for having completed M.Sc.(Ag.) Degree in the discipline of Soil Science & Agril. Chemistry with the highest OGPA.
- Sri Munnangi V. Subba Reddy Gold Medal was awarded to Ms.P. Sakunthala for having completed M.Sc.(Ag.) Degree in the

discipline of Genetics and Plant Breeding with the highest OGPA.

- Sri C.Parameswara Rao Memorial Gold Medal was awarded to Sri S. Tirumala Reddy for having completed M.Sc.(Ag.) Degree in the discipline of Agronomy with the highest OGPA.
- Sri T.B. Dasaradhi Gold Medal – Vudiyana Vignana Saradhi was awarded to Asma Jabeen for having completed M.Sc. (Horticulture) Degree with the highest OGPA.
- Sri A Bucheswara Rao Memorial Gold Medal was awarded to Ms.M. Sujithra for having completed M.Sc.(Ag.) Degree in the discipline of Entomology with the highest OGPA.
- AP-NL Biotechnology Gold Medal was awarded to Ms.Usha Kiran for having completed M.Sc.(Ag. Biotechnology) Degree with the highest OGPA.
- Dr.T. Goverdhan Reddy Memorial Gold Medal was awarded to Mr.M.N. Srinivasa for having completed Master of Agri. Business Management Degree with the highest OGPA.
- Sri Bhojja Venkat Reddy Memorial Gold Medal was awarded to Mr. D. Hema Sudhakar Naidu for having completed M.Sc. (Ag.) Degree in the discipline of Seed Science & Technology with the highest OGPA.
- Smt.G. Venkata Narasamma Gold Medal was awarded to Mr.Rup Narayan Rano for having completed M.Sc.(Ag.) Degree with the highest OGPA in Agriculture faculty.
- Dr.K. Chandra Sekhar Reddy Memorial Gold Medal was awarded to Ms.M. Neelima for

having completed PG in the discipline of Plant Biochemistry with the highest OGPA.

- Sri Putchakayala Basavaiah Chowdary & Smt.Nagarathamma Memorial Gold Medal was awarded to Ms.Arati Ningombam for having completed M.Sc.(Ag.) Degree in the discipline of Entomology with the highest OGPA.

Book Prize (P.G. Level)

The 4th All India Sugarcane Workers Conference Book Prize was awarded to Ms.N. Sabitha for securing the highest OGPA in M.Sc.(Ag.) among students with thesis work on Sugarcane.

4. Academic Initiatives

During the year 2008-09 Master of Agri-business Management programme was started at S.V.Agricultural College, Tirupati.

A new PG diploma programme on 'Computer Aided interior design' was started by FRM department, College of Home Science, Hyderabad during the period under report.

5. Scholarships and Stipends

ANGRAU students were provided with scholarships, fellowships and stipends sponsored by various agencies. The details are given in Table 4.

Table 4 : Number of Scholarships and Stipends Secured by Students

S.No.	Name of the Scholarship	No. of Recipients	Amount Received
1.	Government of India post-matric scholarships to SCs	98	9,48,785.00
2.	SC (renewal) post-matric scholarships & Tution fee reimbursement	56	3,98,793.00
3.	Government of India post-matric scholarships to STs	54	3,08,136.00
4.	State post-matric scholarships to listed backward castes (BCs)	216	12,62,151.00
5.	EBC Post Matric Scholarship	32	79,512.00
6.	Scholarships Special Fee	53	2,79,880.00
7.	Scholarships & fees (STs)	3	21,454.00
8.	Book and dress allowances for SC, ST students	544	1,06,200.00
9.	District Minority Welfare Scholarship	14	55,194.00
10.	Scholarship and Exam. Fee	4	14,800.00
11.	Stipend to PG students	222	67,44,000.00
12.	State scholarship to denoted tribes	50	8,65,833.00
13.	State scholarship to listed BCs	422	23,89,454.00
14.	Fees for SCs	12	50,820.00
15.	Junior fellowship to PG students	44	46,66,560.00
16.	Stipend to UG students from other states	2	15,711.00
17.	State scholarship to economically poor persons	48	2,42,719.00
18.	BC Reimbursement to Tution Fee	220	19,81,345.00
19.	Govt. of A.P. Physically Welfare Handicapped Scholarships	1	1220
20.	Others	43	3,43,104.00

6. B.Sc.(Ag.) - Rural Agricultural Work Experience Programme (RAWEP) / B.Tech (Ag.Engg.)-In-Plant Training Programme / B.Tech.(Food Science & Technology) - In-Plant Training Programme / Commercial Agricultural and Business Management (CA&BM) / B.Sc. (Hons.) H.Sc. - Rural Home Science Work Experience Programme (RHWEP)

a. B.Sc.(Ag.) - Rural Agricultural Work Experience Programme (RAWEP)

As a part of the regular curriculum the final year B.Sc (Ag.) students were placed in rural areas for one semester during *kharif* season where each student is attached to one host farmer



Students of college of Agriculture, Rajendranagar at RAWEP

for practical learning with regards to crop production, crop protection, economics and also dynamics of rural society.

b. B.Tech (Agril. Engg.) - In-plant Training

The final year students of B.Tech.(Ag. Engineering), Bapatla were sent for in-plant training to four firms viz. Central Farm Machinery training and testing Institute (CFMP & TI), Budni (MP), Southern Region Farm Machinery Training and Testing Institute (SRFMT & TI) Garladinne, Central Soil & Water Conservation Research & Training Institute, Bellary (Karnataka) and Central Institute of Post

Harvest Engineering and Technology (CIPHET), Ludhiana.

c. B.Tech.(Food Science & Technology) - In-Plant Training

B.Tech Food Science & Technology students underwent In-plant training at different Food Processing Companies all over India.

d. B.Sc. (C.A.&B.M) – Agri Business Entrepreneur Programme (ABEP)

The final year B.Sc. (C A & B M) students underwent Agri. Business Entrepreneur programme in the 8th semester with a credit load of 20 hours spread over Farm Management – 6 credits (1 month) and Agri. Business Enterprise Management (ABEM) – 14 credits (4 months).



e. B.Sc. (Hons.) Home Science - Rural Home Science Work Experience Programme (RHWEP)

The final year B.Sc. (Hons.) Home Science students of College of Home Science, Hyderabad attended the RHWEP. Each student was attached to 6-8 households to teach rural women, youth and children in the identified areas of Home Science.

The details of number of students, who attended the RAWEP / In-Plant trainings / RHWE programmes are given in Table 5.

Table 5 : RAWE/ In-Plant Training / RHWE Programmes of the Colleges

Name of the College & Degree Programme	No. of Students Attended	No. of Villages	No. of Host Farmers
Agriculture Faculty			
(1) College of Agriculture, Rajendranagar B.Sc. (Ag.)	216	08	08
B.Sc.(CA & BM)	28	05	05
(2) Agricultural College, Bapatla B.Sc. (Ag)	100	20	100
(3) Agricultural College, Tirupati B.Sc. (Ag)	55	10	55
(4) Agricultural College, Naira B.Sc. (Ag)	63	16	63
(5) Agricultural College, Mahanandi B.Sc.(Ag)	60	06	60
(6) College of Agricultural Engineering, Bapatla B.Tech. (Ag.Engg.)	23	04 (No. of Firms)	04 (No. of Firms)
(7) Agricultural College, Aswaraopet B.Sc. (Ag.)	27	03	27
(8) College of Food Science & Technology, Bapatla, B.Tech. (F.Sc. & Tech.)	37	-	-
(9) Seed Technology Polytechnic, Rudrur	35	01	09
Home Science Faculty			
(1) College of Home Science, Hyderabad B.Sc. (Hons.) Home Science	55	01	275

7. Students' Hostels

All the colleges of the University have good hostel facilities, including one International hostel at College of Agriculture, Rajendranagar.

The hostel facilities available in all the colleges and the number of students accommodated in different hostels are given in Table 6.

Table 6 : Hostels in Different Campuses

S.No.	Campus	No. of Hostels			No. of Students Accommodated		
		Boys	Girls	Total	Boys	Girls	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1.	College of Agriculture, Rajendranagar	4	1	5	607	480	1087
2.	Agricultural College, Bapatla	4	3	7	350	210	560
3.	S.V.Agricultural College, Tirupati	3	1	4	215	151	366
4.	Agricultural College, Mahanandi	2	1	3	105	70	175
5.	Agricultural College, Aswaraopet	1	1	2	94	62	156
6.	Agricultural College, Naira	2	1	3	83	92	175
7.	College of Agricultural Engineering, Bapatla	2	0	2	108	-	108
8.	College of Home Science, Hyderabad	0	1	1	0	163	163

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
9.	College of Food Science & Technology, Bapatla	0	1	1	0	129	129
10.	Agricultural College, Jagtial	Boys are accommodated at farmers training Centre, RARS, Jagtial	Girls are accommodated at Staff quarters	-	48	19	67
11.	Agricultural Polytechnic, Palem	1	4 (quarters)	5	42	38	80
12.	Agricultural Polytechnic, Maruteru	1	1	2	30	09	39
13.	Agricultural Polytechnic, Anakapalle	1	1	2	-	-	-
14.	Agricultural Polytechnic, Jagtial	1	1	2	45	34	79
15.	Seed Technology Polytechnic, Rudrur	3 (quarters)	1 (quarters)	4	50	14	64
16.	Agricultural Polytechnic, Reddipalle	1	1	2	38	16	54
17.	Agricultural Polytechnic, Utukur	1	1	2	25	20	45
18.	Agricultural Polytechnic, Kampasagar	2	1	3	58	15	73
19.	Agricultural Polytechnic Madakasira	1	1	2	26	8	34
20.	Agricultural Polytechnic Podalakur	2	1	3	33	15	48
21.	Agricultural Polytechnic Garikapadu	1	1	2	44	14	58

B. RESEARCH PROJECTS OPERATED IN COLLEGES

The list of research projects operated in colleges is given below.

(i) College of Agriculture, Rajendranagar

1. Comparative performance of granular urea Vs prilled urea being conducted in Sugarcane tract at ARS, Perumallapalli.
2. Influence of *kharif* rice package on performance of maize under zero tillage maize in rice-maize sequence.
3. Studies on irrigation and nutrient management in *kharif* maize + dolichos intercropping systems.
4. Effect of rice management and fertilizer levels on yield and water use in rice – vegetable cropping system.

5. Dissemination of insecticide resistance management in cotton under TMC MM II IPRM project.

6. Development of validation of IPM / IRM strategies for Bt cotton.

7. Survey and surveillance of pests and diseases of Eucalyptus in Andhra Pradesh.

(ii) Agricultural College, Naira

1. Response of groundnut varieties to planting methods under rainfed conditions of North Coastal Andhra Pradesh.

2. Weed management in Rice Fallow Blackgram.

(iii) Agricultural College, Bapatla

1. Ad-hoc project sponsored by 'Documentation of losses in stored grain and management of stored grain insect pests with low – risk grain protectants and vacuum technology'.

(iv) College of Home Science, Hyderabad

1. Eco-friendly finishing on textiles.
2. NAIP project on “Creation of Demand for Millets through PCS value chain.
3. Consumer evaluation and commercialization of dietetic foods.
4. Development and Evaluation of micro nutrient fortified fruit and vegetable bars.
5. Critical evaluation study on causes of mortality and morbidity among tribal children of Adilabad district funded by UNICEF.
6. Utilisation of extrusion technology for the development of millet based snacks and weaning foods for young children.
7. Care Giver – Infant Interaction: windows of opportunities for developmental Intervention in natural settings.
8. Development stimulation for rural infants – initiative for community child development worker.
9. Development stimulation for orphan children – sensitization of caregivers.
10. Techniques, value addition and production of dried material and floral crafts for income generation.
11. Assessing the feasibility of drying flowers in the freeze drying process and market potential.

(v) S.V. Agricultural College, Tirupati

1. A scheme entitled “Geographical information system, remote sensing and land use planning” was sanctioned by ICAR, New Delhi under experiential learning which is operated by Dr.M.V.S. Naidu, Associate Professor, Dept. of Soil Science and Agril. Chemistry.

(vi) Agricultural College, Aswaraopet

1. Dissemination of Insecticide Resistance Management on Cotton under TMC MM II for Khammam district.

C. STUDENTS’ RESEARCH

Agronomy

In groundnut oriental tobacco cropping system, application of 50 per cent fertilizer N + 50 per cent organic N to each of the two crops or 50 per cent fertilizer N + 50 per cent organic N to groundnut and 75 per cent fertilizer N + 25 per cent organic N to oriental tobacco, not only resulted in higher productivity and economic returns of the cropping system, but also maintained the quality parameters of oriental tobacco and soil fertility status at a fairly high level.

Rice can be successfully grown under SRI in north coastal zone of Andhra Pradesh, with a refined package of agro techniques of planting seedlings of 12 days old under the planting pattern of 25 x 25 cm, with the supply of 100-50-50 kg/ha N, P₂O₅, K₂O and application of nitrogen in 3 splits of 1/3rd each at basal, active tillering and panicle initiation.

Studies conducted on integrated weed management with low volume herbicides in sweet corn revealed that sulfosulfuron @ 15 g a.e. ha⁻¹ + imazethapyr @ 25 g a.e. ha⁻¹ as pre-emergence followed by hand weeding at 40 DAS was found to be effective and economical, considering the economic returns, for sweet corn during *rabi* on sandy loam soils.

Studies conducted on response of baby corn genotypes to organic manures revealed that the performance of the genotype G-5414 under recommended dose of fertilizer was found to be superior. The next best alternative was to grow the same genotype with the application of poultry manure or green leaf manure for obtaining better yield with good quality of baby corn.

Soil Science & Agriculture Chemistry

The soils in Renigunta mandal of Chittoor district in Andhra Pradesh were deep to very deep in depth.

Regarding nutrient status, the soils are low in available nitrogen and phosphorus, low to medium in available potassium and high in available sulphur. These soils are deficient in available zinc and sufficient in available copper and manganese. As far as clay mineralogy is concerned, pedons 1, 4, 5 and 6 showed the dominance of illitic clay mineralogy where as pedons 2, 3 and 7 exhibited siliceous mineralogy due to higher silica content (more than 780%).

Genetics and Plant Breeding

Identified QTLs associated for yield and drought and salinity tolerance in rice that would be highly useful for further marker assisted selection for drought and salinity tolerance.

A protocol for in *vitro* regeneration of groundnut cv TPT-25 was standardized which would be highly useful for gene-transformation in groundnut cv TPT-25.

Plant Physiology

The cultivars LBG-735, LBG-17, LBG-685 and LBG-645 can be recommended to drought prone areas or used as donor parents in developing drought tolerant blackgram cultivars.

Entomology

The insecticides like spinosad, fenvalerate, indoxacarb and fungicide, sulphur are compatible with *Nomurea rileyii* and hence can be used in combination for the control of *Spodoptera litura*.

Twenty two leafhopper species belonging to 15 genera associated with sugarcane crop ecosystems of South India were identified.

Extension Education

The independent variables namely, age land holding, farming experience, annual family income, indebtedness and fatalism were found positively and significantly correlated with extent of adoption in indigenous technical knowledge in wheat crop. Nearly 26.92, 17.69, 16.15, 10.00, 9.24 and 8.46 per cent of Indigenous Technical Knowledge were found with respect to paddy, horticultural crops, pulses, maize, wheat and groundnut crops cultivation respectively.

D. STUDENTS' ACTIVITIES

1. National Cadet Corps (NCC) Activities

The NCC Camps attended by the students during the year under report are shown in the Table 7.

Table 7 : NCC Camps Attended by the Students of Agriculture faculty

Name of the College	Camp	Venue	Date	No. of Cadets Attended
(1)	(2)	(3)	(4)	(5)
College of Agriculture, Rajendranagar	Annual Trg. Camp-09	Bison Trg. Grounds Secunderabad	29-08-2008 to 07-09-2008	02
	Annual Trg. Camp-09	Bison Trg. Grounds Secunderabad	10-11-2008 to 19-11-2008	01
	Annual Trg. Camp-09	Bison Trg. Grounds Secunderabad	20-11-2008 to 29-11-2008	01
	Annual Trg. Camp-09	Bison Trg. Grounds Secunderabad	06-12-2008 to 17-12-2008	13

(1)	(2)	(3)	(4)	(5)
Agricultural College, Bapatla	ATC III	Tenali	03.06.2008 to 12.06.2008	06
	CATC VII	Duggirala	21.08.2008 to 30.08.2008	15
S.V. Agricultural College, Tirupati	CATC - IV	S.V. Junior College, Tirupati	25.05.2008 to 03.06.2008	30
	CATC - IV	S.V. Agricultural College, Tirupati	17.07.2008 to 26.07.2008	20

2. NSS Activities

The NSS volunteers of various colleges have actively participated in NSS Camps during the year. The NSS activities included literacy programmes, HIV/AIDS Awareness programmes, Consumer Awareness programmes and Pulse Polio programme etc.

NSS special camps of about ten days duration were organized for the students of all

the final year undergraduate programmes. During the period under report, all colleges and polytechnics have also conducted NSS Special Camps.

The details of NSS special camps attended by the students during the year 2008-09 are shown in Table 8.

Table 8 : NSS Camps Attended by the Students

Name of the College	Camp	Venue	Date	No. of Students Attended
(1)	(2)	(3)	(4)	(5)
College of Agriculture, Rajendranagar	Special Camp	Nizamabad	28.11.2008 to 07.12.2008	-
	Special Camp	Chenvally	28.06.2008 to 07.06.2008	-
	Blood donation Camp	-	24.09.2008	95
Agricultural College, Bapatla	Special Camp	Khajipalem Village	17.10.2008 to 26.10.2008	100
	Blood donation Camp	Indian Red Cross Unit, Repalle	-	39
College of Home Science, Hyderabad	Special Camp	Muchintal village, Shamshabad mandal, R.R Dist	31.01.2009 to 06.02.2009	56
S.V. Agricultural College, Tirupati	Blood donation Camp	-	01.10.2008	-
	Special Camp	Guthivaripalli, Renigunta mandal	13.11.2008 to 22.11.2008	55

(1)	(2)	(3)	(4)	(5)
Agricultural College, Mahanandi	Special Camp	Gopavaram	28.11.2008 to 7.12.2008	60
	Blood donation Camp	College Campus	07.04.2009	20
College of Food Science & Technology, Bapatla	Special Camp	Nandirajuthota	04.02.2009 to 10.02.2009	37
College of Agricultural Engineering, Bapatla	Special Camp	Basivireddy Palem	26.02.2009 to 04.03.2009	45
Agricultural College, Aswaraopet	Blood donation Camp	Bapatla	02.10.2008	50
	Special Camp	Achuthapuram	25.11.2008 to 04.12.2008	27
Agricultural College, Naira	Blood donation Camp	College Campus	01.12.2008	60
	Special Camp	Ampolu Village Gara Mandal	20.11.2008 to 28.11.2008	63
Agricultural Polytechnic, Reddipalle	Health Camp	Reddipalle	24.09.2008	46
	Blood donation Camp	Agricultural Polytechnic, Reddipalle	03.12.2008	57
Agricultural Polytechnic, Jagtial	Health Camp	APT Premises	24.09.2008	-
Agricultural Polytechnic, Palem	Blood Donation Camp	APT Premises	03.04.2009	18
Agricultural Polytechnic, Anakapalle	Special Camp	Thimmarajupeta	13.02.2009 to 19.02.2009	66

The students of Faculty of Agriculture actively participated and worked in the programmes like tree plantation, rodent control, soil sample collection. Socio-economic survey, laying of roads, identification of pests and diseases and their control and diet survey for the social awareness etc. The areas covered by

the students of Faculty of Home Science were identification of disabled children and educating their mothers with regard to care and available services; health, hygiene and nutrition education, tree plantation, nutrition status assessment, kitchen gardening and ornamental plantation for the benefit of women folk.

NSS Activities



Anti ragging rally taken up by NSS volunteers of College of Agriculture, Rajendranagar



Pulse polio programme organized by NSS volunteers of Agricultural College, Aswaraopet



Display of improved implements by NSS volunteers at College of Agricultural Engineering, Bapatla



NSS Volunteers of Agricultural College, Naira Participating in Chlorination of drinking water wells



NSS special camp organized by Agricultural college, Aswaraopet



Blood donation camp organized by NSS Volunteers of Agricultural College, Mahanandi



NSS campaign on parthenium eradication at Agricultural polytechnic, kampasagar



NSS volunteers of Agricultural Polytechnic, Palem collecting Neem seeds

3. Sports, Games, Cultural and Other Activities

ANGRAU students continued to evince keen interest in co-curricular activities and the University encourages them for their overall development by providing excellent facilities.

Intercollegiate Games Sports, Cultural and Literary Events were conducted in three phases at S.V. Agricultural College, Tirupati during 26th to 29th September 2008, College of Agriculture, Rajendranagar during 17th to 20th October 2008 and College of Agricultural

Engineering, Bapatla during 3rd to 5th November 2008.

Zonal Level sports, Games, Literary and Cultural events for teaching and non teaching staff of Krishna zone was held at Agricultural College, Bapatla on 30th and 31st January 2009.

University Level Sports and Games, Cultural and Literary Meet, 2008-09 for teaching and Non-teaching staff were held on 19th and 20th February 2009.

Fifth Inter Polytechnic Sports & Games were conducted from 19.03.09 to 21.03.2009 at Agricultural Polytechnic, Reddipalli.

Sports & Cultural Activities



Valedictory Function of III phase Inter Collegiate Sports & Games meet – 2008 of ANGRAU at College of Agricultural Engineering, Bapatla



Intercollegiate sports & Games meet conducted at College of Agriculture, Rajendranagar



Cultural Activities performed by Polytechnic students, Palem at 5th inter polytechnic sports, games and cultural meet conducted at Agril. Polytechnic, Reddipalli



Students of Agricultural Polytechnic, Palem at Sports, Games and Cultural meet conducted at Reddipalli

4. Students' Counseling and Placement Cells

The Student's counseling and placement cells are established in all the Colleges and Polytechnics of the University. These cells are acting as a liaison between colleges and the public & private sector organizations/institutes,

which are in need of the graduates/diploma holders.

During the year, the campus interviews were held by several organizations. The list of firms in which the students got placement is shown below in Table 9.

Table 9 : The details of student placements

Name of the organisation	Name of the Post	Number of students Placed
i) College of Agriculture, Rajendranagar		
1) Indian Bank	Junior Management Grade-I	15
2) Oriental Bank of Commerce	-do-	23
3) Punjab National Bank	-do-	10
4) Bank of Baroda	-do-	09
5) Mahindra & Mahindra	Management Trainee	03
6) Godrej Agrovet	-do-	05
7) Matrix	-do-	10
8) Heritage	-do-	08
9) Rallis India	-do-	03
10) Aries	-do-	08
11) Coromandel	-do-	25
12) Andhra Bank	Junior Management Grade-I	30
13) Indian Overseas Bank	-do-	30
14) SBI	-do-	30
15) Canara Bank	-do-	12
16) Vijaya Bank	-do-	24
17) NFL	Management Trainee	05
18) Monsanto	-do-	03
19) Agricultural Officers		08
20) AEOs		30
ii) Agricultural College, Bapatla		
(1) M/s Nuziveedu Seeds Limited	Marketing Officer	19
(2) M/s Bayer Crop Science	-do-	12
(3) M/s Coromandal Fertilizers Limited	Technical Officer	40
(4) Andhra Bank		
(5) Monsanto India	Technical Officer	22
(6) Canara Bank	-do-	03
(7) Indian Overseas Bank	-do-	01
(8) State Bank of India	-do-	16
(9) Axis Bank	-do-	08
(10) Reliance Crop Science	-do-	03
	Development Officer	07

Name of the organisation	Name of the Post	Number of students Placed
iii) S.V. Agricultural College, Tirupati		
(1) Sriram Bio Seeds Genetics India Pvt Ltd., Hyderabad	Production and Marketing Officers	09
(2) Bayer Bio Science Pvt. Ltd.	Field Officers	05
(3) Andhra Bank, Hyderabad	Rural Development Officers	13
(4) Matrix Bio Science Pvt., Ltd.	Production and marketing Officers	09
iv) Agricultural College, Mahanandi		
(1) Matrix Bio-Sciences Pvt. Ltd., Hyderabad	Trainee in Research /Marketers	04
v) Agricultural College ,Naira		
(1) Matrix	Business Development Officers	06
(2) Indian Bank	Rural Marketing Officers	02
vi) Agricultural College, Aswaraopet		
(1) Matrix BioScience	Sales Officer	10
(2) Food Fat Fertilizers Co. Ltd.,	Oilpalm Extension Officers	10
vii) College of Agril. Engg., Bapatla.		
(1) Jonhn Deere Equipment Pvt. Ltd., Pune	Graduate EngineerTrainee	01
(2) Swaraj Tractor Division, SAS Nagar, Mohali, Punjab	Graduate EngineerTrainee	03
(3) Foundation for ecological security, Madanapalle	Graduate EngineerTrainee	06
(4) Nuziveedu seeds Pvt. Ltd.	Graduate EngineerTrainee	02
(5) International (Sonalika Tractor)Ltd.	Graduate EngineerTrainee	03
viii) College of Food Science & Technology, Bapatla		
(1) Indian Overseas Bank, Chennai	Jr. Management Trainee	02
(2) M/s Heritage Fresh, Hyderabad	Management Trainee	01
(3) Andhra Bank, Hyderabad	Jr. Management Trainee	06
(4) M/s. Coco-cola India Ltd., Hyderabad	Management Trainee	03
(5) M/s. Alkabeer, Hyderabad	Technical Trainee	02
(6) M/s.NCMS Ltd., Hyderabad	Quality Control Inspector	01

Name of the organisation	Name of the Post	Number of students Placed
ix.) College of Home Science,Hyderabad		
(1) Lead India International School, Hyd.	Academic Manager	01
(2) Dept. of Food & Nutrition, C.H.Sc., Hyd.	Project Assistant	01
(3) Dept. of Human Development, C.H.Sc., Hyd.	Research Associate	07
(4) Dept. of Apparel & Textiles, C.H.Sc., Hyd.	Research Associate	01
(5) Dept. of Resource management & consumer sciences, C.H.Sc., Hyd.	Research Associate	01
(6) Nandi foundation, Langer house, Hyd.	ECE Coordinator	01
(7) Froebel's kindergarten School, Charminar	ECE teachers	03
(8) SATNAV Schools	Teachers	08
(9) KIDZEE ZILS, Abids Hyd.	Academic coordinator	01
(10) SATNAV, Sunshine, kidzee, pillars schools	Teachers	10
x. Agricultural Polytechnic, Palem		
(1) Bayer crop Science	Field Assistant	19
(2) Nav Bharath Seeds Pvt. Ltd.	Field Assistant	05
(3) Ruchi Biotech Ltd.	Field Assistant	07
(4) J.K.Seeds Ltd.	Field Assistant	04
(5) Reeds (NGO) organization	Field Assistant	05
(6) Aris Biotech Ltd.	Field Assistant	04
(7) Nuziveedu Seeds Ltd.	Production Asst.	06
(8) Aduri Natural Products, Shadnagar	Field Assistant	05
xi. Agricultural Polytechnic,Maruteru		
(1) Nuziveedu Seeds Ltd.	Agril.Officers and Seed testing Lab technicians Horticulture Assistant	17
(2) Dept. of Horticulture	AEO	10
(3) Dept. of Agriculture	Field Assistant	4
(4) Shriram Bioseed Genetics India Ltd.		5

Name of the organisation	Name of the Post	Number of students Placed
(5) Basics Company Ltd.	Field Officer	2
(6) ITC Ltd, ILTD Division	Field Officer	3
xii. Agricultural Polytechnic, Anakapalle		
(1) Apexencon projects Pvt. Ltd., Saluru, Nelliparthi Village Mandal Salur Vizianagaram	Field development Asst.	10
(2) Deccan tobacco	-do-	16
(3) Heritage foods India Ltd., punjagutta Hyderabad	-do-	8
xiii. Agricultural Polytechnic, Utukur(
1) Heritage Foods India Pvt. Ltd.	-	06
(2) FES	-	03
xiv. Agricultural Polytechnic, Jagtial		
(1) Jain Irrigation System's Karimnagar	Technical Assistant	22
(2) KN Bio-Science Private Ltd, Hyderabad	Lively Wood Service Providers	04
(3) Nuziveedu Seeds, Hyd.	As field Assistant	03
	Total	724

5. Equipment purchased by different colleges during the year 2008-09

Table 10. Major equipments purchased during the year in different colleges costing more than one lakh rupees

S.No.	Equipment	Cost(in rupees)
1.	Pioneer All Greade Lathe Machine	4,15,000
2.	Motorized Hydraulic Press with standard accessories	1,99,900
3.	Led Panels of Tractor Systems:	1,95,520
4.	Manam Rice Transplanter model:	2,54,800
5.	Spectrophotometer	1,58,400
6.	Multivolume pycnomotor with accessories	5,90,000
7.	Steam Boiler Pipeline to Labs.	3,28,131
8.	Advanced Vaccum Packaging Machine	2,09,278
9.	Thermal Cyclor	2,70,000
10.	Seed Processing Unit	2,63,250

S.No.	Equipment	Cost(in rupees)
11.	Batteries for ups	1,20,000
12.	15 KVA Ups	3,56,000
13.	Air conditioners	1,80,000
14.	Horizontal laminar flow	1,50,000
15.	Modular furniture	4,30,000
16.	Distillation module for N-Analyser from JETL project	2,02,399
17.	Centrifuge	3,14,600
18.	Lyophilizer	4,32,507

E. LIBRARY SERVICES

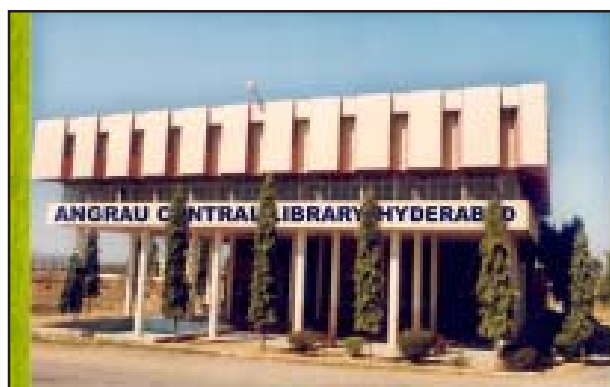
1. Library System

The library system consists of the following.

- Central Library** : Rajendranagar,
Hyderabad
- Branch Libraries** : Extension Education
Institute, Rajendranagar
- Regional Libraries** : S.V. Agricultural
College, Tirupati
Agricultural College,
Bapatla
- College Libraries** : College of Home
Science – Hyderabad,
College of Food Science
& Technology – Bapatla,
College of Agricultural
Engineering – Bapatla,
Agricultural College -
Aswaraopet,
Agricultural College -
Naira,
Agricultural College -
Mahanandi

All the Polytechnic colleges are provided with Library facility.

2. Library Management



University Library, Rajendranagar

The Libraries function under the overall supervision of the University Librarian. The Regional Libraries and the College Libraries are run by the Assistant Librarians under the administrative control of the Associate Deans of the respective Colleges.

3. Books & Periodicals

All the libraries together continued to receive over 1100 Indian and Foreign Periodicals. In addition to it 5000 books and about 450 dissertations and 600 reports have been added during the year. Special textbook collections have been built up at each of the campuses for the benefit of SC, ST and BC students. A separate book collection (like dictionaries, encyclopedias, almanacs, competition books etc.) is established at each of the campus libraries.

4. Visitors

Dr. Mruthyunjaya, National Director (NAIP) and Dr. P.S. Sidhu, (World Bank) and Prof. Yedirajulu, National Coordinator of NAIP project visited ANGRAU Central Library during the period under report.

5. Inauguration

The E-resource Centre was inaugurated at Regional Library, Bapatla and College of Food Science & Technology, Bapatla on 28.06.2008.

E-Resource Centre and competitive Examination Cell at Central Library, ANGRAU, Rajendranagar was inaugurated on 28.07.2008.



E- Resource Centre, ANGRAU, Rajendranagar

The ICAR has started providing on-line resources database service called CeRA (Consortium for e-Resources in Agriculture) under NAIP project which was inaugurated on 28.07.2008 at Central Library, ANGRAU.

Digital Library was inaugurated at Agricultural College, Naira on 29.09.2008 and at College of Home Science, Saifabad on 12.03.2009.

6. Publications

The Central Library brought out the following publications for the benefit of Teachers, Scientists, Extension specialists and Students.

1. Current Agricultural Titles (Quarterly)

2. ANGRAU Library Bulletin (Half Yearly) and
3. ANGRAU Theses Abstracts (Yearly).

7. Books/ CDs Released

A book and CD entitled “Convocation Addresses of ANGRAU (1966-2008)” was released on 10.11.2008. The National Journal entitled “Indian Journal of Agricultural Library and Information Services” was released on 21.02.2009.

8. Awareness Programmes / Guest Lectures / Training Programmes

An awareness programme on “Consortium for e-Resources in Agriculture (CeRA)” was organized on 15.11.2008.

Guest lectures on “Soft skills for libraries” was delivered by Prof. B.Ramesh Babu, University of Madras, Chennai, “ICT for Library & Information Science Professionals” was delivered by Prof. D.Chandran, S.V.University, Tirupati, “Information Sources in Agricultural Sciences” by Prof. M.Shankar Reddy, University Librarian, Telugu University, Hyderabad and “Krushna Prabha: Indian Agricultural Doctoral Dissertations Repository” by Prof. Prem Singh, University Librarian, Nehru Library, CCS Haryana Agricultural University, Hissar, Haryana were delivered during the period under report.

Training programmes were conducted on “Management of E-resources in Agriculture” at Tirupati on 20th & 21st January 2009, on “Management of E-resources in Agriculture” at College of Agriculture, Rajendranagar on 13.05.2009, “Management of E-Resources in Agribusiness Management” at College of Agriculture, Rajendranagar” on 14.05.2009 and Management of E-Resources in Home Science” at College of Home Science, Hyderabad.

9. Computerization and E-Journals

ICAR development grants were utilized for establishment of e-resource centre at Central Library, Hyderabad and Digital libraries at Bapatla, Tirupati, Naira and Home Science at Hyderabad. Further computer facilities at all ANGRAU libraries were improved and books, journals and furniture also acquired.

The ANGRAU central library subscribed to CAB online version that is data from 1990 to present with CD back up for the year 2008-09. It also subscribed online e-journals portal called J-Gate Agriculture and Biological Sciences for the year 2008-09 which covers data from January 2001 to present and also subscribed Indian Journals.com for the year 2008-09. The user ID and Password has been circulated to all the colleges of the University, Research Stations and also to all the patrons of the University.

Indian Harvest, a statistical database of agricultural products is being subscribed by the Central Library, Hyderabad. Area, production and productivity of all the crops in India can be searched through this database. Another statistical service called "India Stat.com" has been subscribed by the University Library wherein the students, teachers and scientists can search any statistical information regarding crops.

EBSCO e-journal database has been subscribed on consortia basis with ICRISAT and it covers nearly 600 e-journals on agriculture and allied sciences.

Global periodicals.com and Indian journals.com have been subscribed to provide online services to Teachers, scientists and students and also providing print outs in above all the services.

The ICAR has provided consortium on-line e-resource service called CeRA (Consortium for e-Resources in Agriculture) under NAIP project from 2008 onwards and also Krishi

Prabha – Indian Agricultural Doctoral Dissertations Repository service for the benefit of students and staff.

10. Exchange of University Publications

The Central Library distributed 60 copies of 'Journal of Research ANGRAU' to various National and International institutes. On exchange, the Central Library received Foreign and Indian Publications worth over Rs.50,000/-.

F. INTERNATIONAL PROGRAMMES

A three day Symposium cum Workshop on "Rapid Methods and Automation in Microbiology" was organized by Acharya N.G. Ranga Agricultural University, Hyderabad in collaboration with Kansas State University, U.S.A. from 15th to 17th October, 2008 at the University Auditorium, Rajendranagar.



**Hon'ble Minister Shri Sobodh Kanth Sahay
inaugurating the symposium cum workshop on
"Rapid Methods and Automation in Microbiology"**

As per the existing MoU with Cornell University, USA and M/s. Sathguru Management Consultants, Pvt. Ltd., Hyderabad, IARD course 2008-2009 was implemented for the fourth consecutive year.

Under the Collaborative Research Project on *Documentation of Losses in Stored Grain and Management of Stored Grain Insect Pests* with Kansas State University, USA a workshop on "Usage of cocoons (Hermetic storage) and Phosphine Monitors in Stored Grain Pest Management" was organized at Agricultural College, Bapatla on 6th March, 2009.

Table 11. FACILITIES AVAILABLE IN ANGRAU LIBRARIES DURING 2008-2009

S.No	Name of the Library	Books		Theses		Periodicals subscribed		Membership		Books issued	No.of Visitors	No.of Internet	No.of Xerox copies exposed	Income genera-tion (Rs.)
		Number of added during the year	Total	Number of added during the year	Total	Indian	Foreign	Number of added during the year	Total					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1.	Central Library	1396	85,572	210	8,384	217	61	578	2,856	10,371	40,474	8,675	2,07,516	3,05,238
2.	Regional Library, Tirupati	1,439	25,916	73	3,226	147	39	158	489	4,083	27,542	4,574	36,452	44,963
3.	Regional Library, Bapatla	238	49,502	40	1,449	155	29	161	642	9,639	30,454	2,589	54,212	61,853
4.	Agricultural College Library, Naira	1,147	9,325	-	-	44	-	53	249	4,233	10,519	284	33,466	29,653
5.	Agricultural College, Aswaraopet	645	6,143	-	-	50	-	73	222	3,020	5,949	90	11,067	8,519
6.	Agricultural College, Mahanandi	633	7,936	-	-	35	-	51	211	8,400	11,222	71	6,510	3,640
7.	Agricultural Engineering College Library, Bapatla	673	5,781	5	5	9	10	42	110	1,795	1,425	140	15,558	10,402
8.	College of Home Science Library, Hyderabad	111	12,217	10	720	42	10	76	310	3,531	6,361	3,708	35,042	42,776
9.	College of Food Science & Technology Library, Hyderabad	779	5,534	-	-	12	01	56	277	3,426	3,266	424	4,056	4,151

Dr. C. Cheralu, Principal Scientist (PI. Breeding), RARS, Warangal was selected as an Indian Resident Fellow to conduct research on “Molecular genotyping of a mapping population using SSR markers and field evaluation of a mapping population” at IRRI, Philippines from 25-10-2008 to 23-01-2009.

Dr. P.V. Satyanarayana, Sr. Scientist (PI. Breeding), APRRI, Maruteru was selected as an Indian Resident Fellow to conduct research on “Hybrid Rice Breeding on Seed Production” at IRRI, Philippines from 25-10-2008 to 23-01-2009.

Dr. K. Sreedevi, Asst. Prof., (Ento.), S.V. Agril. College, Tirupati was selected for the Netherlands Organization for International Cooperation in Higher Education Fellowship to undergo a 4 week training programme on “Integrated Pest Management and Food safety” at Wageningen University, Netherlands from 18-05-2009 to 12-06-2009.

Dr. K. Keshavulu, Assoc. Professor, Dept. of Seed Science & Technology, College of Agriculture, Rajendranagar, Hyderabad was selected for the BOYSCAST Fellowship 2008-09 programme on “Genetic and hormonal regulation of seed dormancy” at Seed Biotechnology Centre, University of California, Davis, California, USA from 25-05-2009 to 24-05-2010.

Ms. K. Swathi Sree, a Final Year student, College of Food Science and Technology, Bapatla was selected for a Summer Research Internship on “Development of Cross-linked Bio-Nanocomposite Packaging Films with Enhanced Barrier and Mechanical Properties” as a part of her in-plant training in the Extrusion Lab of the Dept. of Grain Science and Industry at Kansas State University, USA from 10-05-2009 to 05-07-2009.

FACULTY PARTICIPATION IN OVERSEAS PROGRAMMES

S. No.	Name of the faculty	Training programme/ workshop/ conference attended	Period	Place
1.	Dr. D.V. Ramana Reddy, Sr. Scientist (SS), STCR Scheme, ARI, R'nagar	Training programme on “Soil Erosion -Collection Designs and Modelling Aspects”.	30-06-2008 to 18-07-2008	NCA&T, USA and Natl. Soil Erosion Lab, Lafayette, USA
2.	Dr. N.V.V.S.D. Prasad, Scientist (Ento.)RARS, Lam, Guntur	XXIII International Congress of Entomology and presented a paper on “Evaluation of Transgenic Bt Cotton under Integrated Pest Management”.	06-07-2008 to 12-07-2008	Durban, South Africa
3.	Shri. K. Murali Krishna, Dept. of Genetics & PI. Breeding, CA, Rajendranagar	XX International Congress of Genetics and presented a paper on “Genetic variability studies for sugar, protein and yield parameters in selected baby corn maize (<i>Zea mays</i> L.) genotypes”.	12-07-2008 to 17-07-2008	Berlin, Germany

S. No.	Name of the faculty	Training programme/ workshop/ conference attended	Period	Place
4.	Dr. A. Vishnuvardhan Reddy, Principal Scientist (Oilseeds), RARS, Palem	Training programme on "Confined Field Trials of Genetically Engineered Crops".	03-08-2008 to 08-08-2008	Michigan State University, USA
5.	Dr. N.P. Eswara Reddy Professor Dept. of Pl. Path., SVAC, Tirupati	Crawford Fund Training and Courses related to "Management of Soil Borne diseases in broadacre Agriculture through natural diseases suppressive potential"	12-08-2008 to 09-11-2008	CSIRO Laboratories, Australia
6.	Dr. Aldas Jannaiah, Prof. & Head, SABM, College of Agriculture, Rajendranagar	5 th International Hybrid Rice Symposium	11-09-2008 to 15-09-2008	Hunan, China
7.	Dr. K. Yella Reddy Principal Scientist & Project Manager, APWAM Project, Bapatla	ICID Triennial Congress on Irrigation and Drainage and received the Watsave Technology Award.	13-10-2008 to 18-10-2008	Lahore, Pakistan
8.	Dr. G. Bhupal Raj Principal Scientist & Head, AICRP on Micronutrients, ARI, Rajendranagar	Training at M/s. Varian Analytical Instruments, UK on use of Varian Atomic Absorption Spectrophotometers.	14-10-2008 to 17-10-2008	London, UK
9.	Shri. K. Murali Krishna Dept. of Genetics & Pl. Breeding, CA, R'nagar	10 th Asia Regional Maize Workshop and presented concept paper on "Global Warming -Impact on production and productivity of Corn in South-East Asia and India".	20-10-2008 to 23-10-2008	Makassar, Indonesia
10.	Dr. I. Swarnalatha Devi, Scientist (Pl. Breeding), P&M Cell, ANGRAU	7 th International Safflower Conference and presented a paper on "Biofortification of safflower Oil with Gamma Linolenic Acid through transgenic approach using delter-6-disatures gene from <i>Borage officinalis</i> ".	03-11-2008 to 06-11-2008	Wagga Wagga, Australia

S. No.	Name of the faculty	Training programme/ workshop/ conference attended	Period	Place
11.	Dr. (Mrs.) D. Adilakshmi, Scientist (Pl. Breeding), APRRI & RARS, Maruteru	Training programme on "Marker Assisted Selection (MAS) -Theory, Practice and Application".	24-11-2008 to 05-12-2008	IRRI, Philippines
12.	Dr. S.B.S. Narsimha Rao, Sr. Scientist (Agromet), ARS, Anantapur	Training course on "Climate change and Desertification process - Assessment and Monitoring".	07-12-2008 to 26-12-2008	Israel
13.	Dr. V. Praveen Rao, Professor of Agronomy, Water Technology Centre, Rajendranagr	Combined Congress of Soil Science Society of South Africa, Southern African Society for Horticultural Sciences and Southern African Weed Science Society.	19-01-2009 to 22-01-2009	Stellenbosch, South Africa
14.	Dr. Aldas Jannaiah, Prof. & Head SABM, College of Agriculture, Rajendranagar	Work shop on Food policy.	09-02-2009 to 11-02-2009	Dhaka, Bangladesh
15.	Dr. Aldas Jannaiah, Prof. & Head, SABM, College of Agriculture, Rajendranagar	International Workshop on "Project Planning, Monitoring Evaluation and Impact Assessment".	16-02-2009 to 20-02-2009	Rome, Italy
16.	Dr. A. Trivikrama Reddy, Scientist (Chickpea Breeding),RARS, Lam, Guntur	Training on "Marker Assisted Selection: Theory Practice & Application".	22-02-2009 to 05-03-2009	Aleppo, Syria
17.	Dr. K. Yella Reddy Principal Scientist & Project Manager, APWAM Project,Bapatla	5 th World Water Forum	16-03-2009 to 22-03-2009	Istanbul, Turkey
18.	Dr. K. Manjula Assoc. Professor, Dept. of Entomology S.V. Agril. College, Tirupati	Training course on "R&D of New Concepts in Integrated Pest Management".	04-05-2009 to 26-05-2009	Tel Aviv, Israel
19.	Dr. Aldas Jannaiah, Prof. & Head SABM, College of Agriculture, Rajendranagar	World Agricultural Forum's 2009 World Agricultural Congress	18-05-2009 to 20-05-2009	St. Louis, Missouri, USA



Prof. Sivaramakrishnan in Dr.c.Wittman's Lab, Germany

VISIT OF FOREIGN DELEGATIONS TO ANGRAU:

Date	Name of the visitor(s)	Purpose of Visit
19-06-2008	Dr. S. Jairam Dr. Lavanya Dept. of Foods and Nutrition, Texas A&M University, Texas, USA	To explore possibilities of collaboration with ANGRAU in areas of Food and Nutrition, Crops for health and natural dyes. Dr. S. Jairam delivered a lecture on "Cancer Prevention: A functional food approach".
11-07-2008	Mr. A. Barnabe, Member of Technology Park, Quebec, Canada Mr. M. D. Tally, Director Genral, Saint, Hyacinthe Technopole, Quebec, Canada	To explore possibilities of collaboration with ANGRAU.
21-07-2008	Dr. Sajid Alavi Assoc. Professor, Extrusion Processing, Dept. of Grain Science & Industry, KSU, USA	To interact with ANGRAU scientists and students and evaluate progress of collaborative research project with ANGRAU. Delivered a talk on "Processing of Nutritious Ready to Eat Food" and "Need of Public Private partnership for addressing nutritional and other needs of the people of A.P."
16-08-2008	Dr. B. Birkinholz Professor & Chair	To interact with Hon'ble Vice-Chancellor and University Officers on

Date	Name of the visitor(s)	Purpose of Visit
	Dr. S. Whittington Assoc. Professor Human & Community Resource Development, Ohio State University, USA	the project entitled “Excellence in Teaching and Learning: A Capacity Building Model”.
21-10-2008	Dr. Robert Simmons, Course Director, Land Restoration & Reclamation, Soil Conservation & Management Group, Cranfield University, UK	To hold discussions with ANGRAU scientists on collaborative project in the field of “Waste Water Management, land reclamation and restoration and Municipal Waste Management”.
24-10-2008	Dr. M. J. Guiltinam Professor, Plant Molecular Biology, Pennsylvania State University, USA L. W. Hintz President, Plant Sciences CTI Biochemicals, Pennsylvania, USA Dr. S. Maximova Director, Plant Sciences CTI Biochemicals, Pennsylvania, USA	To interact with ANGRAU faculty and scientists of Biotechnology Dept. Dr. M. J. Guiltinam presented a talk on “Gene Discovery and Functional Analysis in Maize and Cacao”.
10-11-2008	Dr. Gregory Reed Dr. A. Srivastava Alcorn State University, USA	To interact with the Hon’ble Vice-Chancellor and University Officers to explore possibility of cooperation in the field of Agriculture Extension.
12-11-2008	Dr. G.B. Reddy Professor, NCA&T, USA	To interact with the Hon’ble Vice-Chancellor and University Officers on “Innovative Technologies for Waste Management, Water treatment and Reuse in Agriculture of the Musi River basin”.
17-11-2008	Dr. Kpomplekou-A. Bonsi Dr. P.K. Biswas Tuskegee University, USA	To discuss about the Tuskegee – SVVU – ANGRAU collaborative research project proposal on “Bio-methanization from poultry manure in the area of environment”.
02-12-2008	Dr. Christine Wittmann, Professor, University of Applied Sciences, Neubrandenburg and Mr. Klaus Daniel, Transia Industridiagnostika GmbH, Germany	To interact with the Hon’ble Vice-Chancellor University Officers on “Rapid Methods of detection of GM Crops and Diagnostic kits for Microbial contamination in foods”.

Date	Name of the visitor(s)	Purpose of Visit
03-12-2008	Dr. K. Raja Reddy, Professor, Plant and Soil Sciences, Mississippi State University	To interact with the Hon'ble Vice-Chancellor and University Officers and explore possibilities of cooperation with ANGRAU. He delivered a lecture on "Climate Change and Crop Productivity-Challenges and Prospects" to the staff and students of College of Agriculture, Rajendranagar.
09-01-2009	Dr. K. Ramesh Reddy, Chair & Graduate Research professor, Soil & Water Science Dept., University of Florida, USA	To hold discussions with faculty of Water Technology Centre, Rajendranagar on "Innovative technologies for solid waste management generated during water treatment and reuse in agriculture in Musi river basin".
20-01-2009	Ms. Holly Higgins, Minister Counsellor for Agricultural Affairs and Dr. A. Govindan, Agricultural Specialist, US Embassy, New Delhi	To get familiarized with the research and extension activities of the University and its involvement in the US-India Agricultural Knowledge Initiative.
29-01-2009	Mr. Martins I. Imudia World Bank Project Leader Nigeria	To explore possibilities of collaboration between ANGRAU and farmers in Nigeria in field of Agril. Extension.
21-02-2009	Dr. Jan Fongers, In-charge Asia Desk, Wageningen University, The Netherlands Dr. G. Pakki Reddy AP Biotech Foundation Hyderabad	To discuss about scope of future collaborative projects between ANGRAU and Wageningen University.
04-03-2009	Dr. C. Wittmann Ms. M.E. M. Henkes University of Applied Sciences Neubrandenburg Germany	To review progress of joint collaborative project on "Rapid Methods for GMOs in food, feed and crop plants".
12-03-2009	Dr. Sajid Alavi Assoc. Professor, Extrusion Processing, Dept. of Grain Science & Industry, KSU, USA	To review progress of ANGRAU-KSU collaborative research project on "Utilization of extrusion technology for developing Sorghum and Rice based weaning foods and supplementary foods for children".

Date	Name of the visitor(s)	Purpose of Visit
20-05-2009	<p>Dr. Wynn Ingram, General Manager, Innovation Networks, Ministry of Research, Science and Technology,</p> <p>Ms. Emma McDonald, Senior Adviser, International Linkages, Ministry of Research, Science and Technology,</p> <p>Mr. Michael Lay-Yee, General Manager International Market Development, The New Zealand Institute for Plant and Food Research Limited</p> <p>Dr. Harjinder Singh, Co-Director, Riddet Institute</p> <p>Dr. Travis Glare, General Manager Science Strategy Services, Ag. Research</p> <p>Ms. Michelle Wanwimolruk, Political Section, New Zealand, High Commission, New Delhi</p>	To interact with the Hon'ble Vice-Chancellor and University Officers regarding potential links with Lincoln University, New Zealand and understanding R & D capabilities of ANGRAU.

G. EDUCATIONAL TECHNOLOGY CELL

With a view to improve the teaching and research competency and teaching quality of the faculty, ANGRAU has established an Educational Technology Cell (ETC) on 30th July 2006. Its mandate is to give orientation cum training to the newly recruited teachers of the University and also to conduct research in the areas of research and extension management

to suggest suitable strategies for effective technology generation and dissemination.

The ETC has organized a training programme on Education Technology to the newly recruited teachers of Agricultural colleges during 07.06.2008 to 12.06.2008 at S.V. Agricultural College, Tirupati wherein 40 teachers from different colleges participated.