

## PROFILE OF THE DEPARTMENT

1. **Name of the Department & its year of establishment :** STATISTICS  
Established : 1984
2. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):** UG : B.Sc. ( MPS & MSCs)
3. **Interdisciplinary courses and departments involved :**  
Interdisciplinary elective : Basic statistical tools
4. **Annual/ semester/choice based credit system :** Semester System
5. **Participation of the department in the courses offered by other departments :**
  - Handling classes for M.Sc ( Chemistry) students [Statistics and data handling in Analytical Chemistry]
  - Handling classes for M.Sc ( Bio -Technology) to teach Bio-Statistics
  - Handling classes for M.Com to teach Quantitative Techniques for Business Decisions
6. **Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned	Filled
Associate Professors	01	01
Asst. Professors	02	02

7. **Faculty profile with name, qualification, designation, specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience
Dr.G.S.Devasena	M.Sc., Ph.D.	Associate Professor	Stochastic Processes	15 Years
Dr. B. Venkata Ramudu	M.Sc., B.Ed., Ph.D.	Asst. Professor	Operations Research	12 Years
Sri.P.Adisekhara Reddy	M.Sc., M.Phil.	Asst. Professor	Operations Research	2 Years

8. **Percentage of classes taken by temporary faculty – programme-wise information:**

Class	Regular %	Temporary/Guest %
B.Sc	90	10

**9. Programme-wise Student Teacher Ratio:**

Class	Student – Teacher Ration
B.Sc	45:1

**10. Number of academic support staff (technical) and administrative staff: sanctioned and filled :**

Technical Staff – Sanctioned :01 & Filled : 01

**11. Number of faculty with ongoing projects from a) National b) International funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise. : NIL**

**12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received : NIL**

**13. Research facility / centre with :Nil**

**14. Publications:**

- number of papers published in peer reviewed journals (national / international)

Name	National	International
Dr.G.S.Devasena	01	01
Dr.B.Venkata Ramudu	-	06

Name	Text Books
Dr. G.S. Devasena	B.Sc Final Year Paper IV AKADEMI TEXT BOOK Transportation ,Assignment & Job Sequencing (E.M) B.Sc Final Year Paper IV AKADEMI TEXT BOOK Transportation ,Assignment & Job Sequencing (T.M)

**15. Details of patents and income generated NIL**

**16. Areas of consultancy and income generated NIL**

**17. Faculty recharging strategies**

- National and International seminars/workshops
- Participation in refresher courses

**18. Student projects**

- percentage of students who have done in-house projects including inter-departmental : 15%
- percentage of students doing projects in collaboration with industries / institutes : 10%

**19. Awards / recognitions received at the national and international level by**

- Faculty

Name	State Awards
Dr. G.S. Devasena	<ul style="list-style-type: none"> <li>• Recipient of State “ Best NSS Programme Officer Award” during the year 2011 by State NSS Cell, H.E Dept. Govt. of AP.</li> <li>• Recipient of State “ Best Teacher Award” during the year 2012 by Government of AP.</li> </ul>

**20. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any. :**

One Day State Level Workshop on “ Statistical Soft Skills Through MS-Excel” during June 2008 – Funded by the Management Participants are Degree College Lecturers in Statistics of AP The invited Chief Guests and outstanding Participants :

- Prof. Y. Venkatarami Reddy, APPSC Chairman, Hyderabad
- Prof. M. Krishna Reddy, Professor of Statistics, Osmania University, Hyderabad
- Prof. V.V. Hara Gopal, Professor of Statistics, Osmania University, Hyderabad
- Dr. G.R. Maruthi Sankar, Principal Scientist, CRIDA, Hyderabad.
- Prof. K.V.S. Sarma, Professor of Statistics, S.V. University, Tirupathi.
- Prof. R. Rajasekhara Reddy, Professor of Statistics, S.V. University, Tirupathi.
- Prof.R.R.L.Kantham, Professor of Statistics, Acharya Nagarjuna University, Guntur
- Prof. A.Ananda Raja Chari, Professor of OR & SQC, Director, Research Studies, Rayalaseema University, Kurnool.
- Prof. Y. Krishna Reddy, Registrar, S.K. University, Anantapur.
- Prof. K.L.A.P. Sarma, Professor of Statistics, S.K. University, Anantapur.
- Prof. S. Sampath, Professor of Statistics, University of Madras, Chennai.
- Dr. SubbiReddy, Scientist, Dry Land Agricultural Research Station, Rekulakunta, Anantapur.

**21. Student profile course-wise:**

Name of the Course (refer question no. 2)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
B.Sc.,	147	77	69	89	88

## 22. Diversity of students

Name of the Course	% of students from the College	% of students from the State	% of students from other States	% of students from other countries
B.Sc.,	10%	90%	--	--

## 23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?

- NET -01
- GATE – 01
- Other Competitive Examinations – 25

## 24. Student progression

Student progression	Percentage against enrolled
UG to PG	75%
PG to M.Phil.	10%
PG to Ph.D.	15%
Ph.D. to Post-Doctoral	-
Employed	
• Campus selection	-
• Other than campus recruitment	40%
Entrepreneurs	25%

## 25. Diversity of staff

Percentage of faculty who are graduates	
of the same parent university	67%
from other universities within the State	-
from other universities from other States	33%

## 26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period.

Awarded Ph.D : 01

## 27. Present details about infrastructural facilities

- a) **Library** : Maintaining a Departmental Library with 100 books
- b) **Internet facilities for staff and students** : Yes
- c) **Total number of class rooms** : Two classrooms
- d) **Classrooms with ICT facility** :NIL
- e) **Students' laboratories** :02
- f) **Research laboratories** :NIL

**28. Number of students of the department getting financial assistance from College. : 05**

**29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology. NIL**

**a. Does the department obtain feedback from faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?**

Department obtains feed back from faculty regarding Teaching – Learning – evaluation. It frames the curriculum and evaluation methods in its Board of Studies meeting with subject experts and the same will be placed before the Academic Council. If there are any suggestions given by Council, they will be incorporated in the curriculum.

**b. Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?**

The Department obtains feedback from students on staff with regard to the teaching techniques and curriculum. Advise the staff with regard to the methods they are adopting in teaching and suggest them to repeat the topics in which students are facing problems/doubts.

**c. alumni and employers on the programmes and what is the response of the department to the same?**

Suggestions are invited from alumni individually and some times they are invited to interact with students. They also interact with the present students and some times respond to their problems and offer solutions

**30. List the distinguished alumni of the department (maximum 10)**

S. No.	Name of the Student	Position Held	Name of the Organization
1	A.Kullayaswamy	Assistant Professor	Dept of Statistics, Govt Degree College, Punganur
2	S.Khadar Basha	Assistant Section Officer	A P Secretariat, School Education, Hyderabad
3	G.Lakshmi Narayana	Assistant Manager	Pragathi Grameena Bank, Bellary, Karnataka
4	G.Sharat Chandra	Software Engineer	Infosys Presently in Tokyo
5	P.Lakshmi Prasanna	Software Engineer	Tata Consultancy Services, Bangalore
6	Santhosh Kumar	Release Manager	Australia Newzeland Operations Private Ltd. Bangalore
7	P.MallikarjunaChowdary	Software Analyst	Standard Chartered Bank Ltd, Bangalore
8	P.Lavanya	Software Analyst	Bangalore

9	N.MadhusudhanaReddy	Assistant Manager	Syndicate Bank, Anantapur
10	K.Bhavani	Assistant Manager	Syndicate Bank, KADAPA
11	E.Sreedhar Gowd	Software Analyst	Symphony Pvt. Ltd, Banglore
12	K.Eswaraiah	Assistant Manager	Syndicate Bank, Bangalore

**31. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.**

On the occasion of National Statistics Day (June 29<sup>th</sup>) guest lectures are organized every year. Apart from that, Professors and Scientists are invited as resource persons to deliver special Lecturers /Seminars to enrich student knowledge. The resource persons from local Research Station of Acharya NG Ranga University, Chief Planning Office, Anantapur are invited from time to time.

S. No	Date	Invited Lecturer	Topic
1	01-03-08	Sri. M. Sudharshan, Chief Planning Officer, Anantapur	Data Collection
2	29-06-09	Dr. SubbiReddy, Scientist, DryLand Agricultural Research Station, Rekulakunta, Anantapur	Design of Experiments
3	29-06-10	Sri.P.Gurappa, Chief Planning Officer, Anantapur	Statistics and its Application
4	13-12-10	Prof. K.L.A.P, Sarma, Professor of Statistics, S.K. University, Anantapur.	Queuing Theory
5	29-06-11	Prof. K.L.A.P, Sarma, Professor of Statistics, S.K. University, Anantapur	Sampling Techniques
6	29-06-12	Prof. K.L.A.P, Sarma, Professor of Statistics, S.K. University, Anantapur	Statistical Quality Control

**32. List the teaching methods adopted by the faculty for different programmes.**

Apart from regular glass board teaching, the department makes use of Models, Charts, LCD Projector for the purpose of teaching. Collection of subject related news clipping and discussions and quiz programmes are also the part of learning and assessment.

**33. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?**

Learning outcome is monitored by conducting unit tests, assignments, seminars, internal examinations and semester end examinations. Remedial Coaching is offered to slow learners. Student presentations are judged in student seminars and they are advised as to how to rectify their mistakes.

**34. Highlight the participation of students and faculty in extension activities.**

- The students are encouraged to participate in curricular, co curricular and extra curricular activities.
- Dr. G.S. Devasena, Faculty of the department has been serving as an NSS Programme Officer for 5 Years served as a District Programme Officer for 2 Years. Member of Lions Club of Anantapur, Life member of Red Cross Society, Anantapur and Member of Aurobindo Society, Pondicherry
- Dr. G.S. Devasena, recipient of “State Best NSS Programme Officer Award” for the year 2010 - 11
- Faculty and students are involved in the community service through special camps in the villages by NSS
- Faculty and students are involved in organizing Health Camps to the poor & needy, clean and green programmes, awareness rallies on HIV/AIDS, awareness on domestic Violence, Legal Issues, Blood Donation, Blood Grouping Personal Hygiene, Eye Donation etc was organized.
- Leadership Training Programmes were Organised for students.
- One student participated in Adventure Camp held at Jaisalmar, Rajasthan during Jan, 2011 through NSS
- Participated as contingent Leader in National Integration Camp held at Tirurangadi, Mallapuram District, Kerala during Dec,2008.
- Participated in UGC Workshop on capacity building of women managers in higher education organized by Centre for Extension Studies, S.V. University, Tirupati during 28<sup>th</sup> Oct to 1<sup>st</sup> Nov,2009
- Participated as contingent Leader in Winter Adventure camp held at Atal Bihari Vajpayee Institute of Allied Sports , Manali, Kullu District, Himachal Pradesh during Feb,2011.
- Participated in NSS Orientation and Training Programme Organised by NSS Orientation & Training Centre, Andhra University, Vizag during 24<sup>th</sup> – 29<sup>th</sup> June,2011
- Participated as AP Female contingent Leader in Pre –RD Camp held at D.N.R. College, Bhimavaram ,West Godavari District, Andhra Pradesh during Oct,2011
- Participated as Resource person for NSS Orientation and Training Programme organised by NSS Orientation and Training Centre, Andhra University, Vizag.
- Many of the students have participated in NCC Camps

**35. Give details of “beyond syllabus scholarly activities” of the department.**

- Involved the students in student study projects related to Population, Food Grains
- Organizing Workshops and seminars
- Organizing field trips to students regarding production process Quality Control & Design of experiments.

**36. State whether the programme/ department is accredited/ graded by other agencies. Give details. NIL**

### **37. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department**

#### **Strengths:**

- The Staff are well experienced
- The Staff are Young ,energetic and Dedicated to work
- Guest Lectures are conducted regularly to develop interest in the subject.
- Students are encouraged to participate in Seminars & Quiz competitions.

#### **Weaknesses :**

- Majority intake of the students' are from rural background and students are lagging behind in communication Skills. They have less exposure to English Language.
- Lack of career related Programmes

#### **Opportunities:**

- Research Establishment and getting funds to strengthen the Department.
- Effective use of Web technology for student teacher progression

#### **Challenges :**

- Bright and intelligent students are attracted towards Technical Education, so there is a need to get them back to the degree colleges to study basic sciences.
- Lack of participation of students in various activities
- Retirements and need for Succession Planning

### **38. Future plans of the department.**

- Introduction of a P.G course in Statistics.
- Strengthening the department by Getting Research Projects
- The Department is planning to conduct a Two day Workshop on "Statistical Tools for Physical and Social Sciences"
- Introduction of self employable add on courses