

## PROFILE OF THE DEPARTMENT

1. **Name of the Department and its year of establishment:** Electronics : UG: 1995; PG: 2002
2. **Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc) :**  
UG : MECs PG : M.Sc., Electronics and Communications
3. **Interdisciplinary courses and departments involved:** Interdisciplinary Elective – Electronics in daily life.
4. **Annual/semester/choice based credit system:** SEMESTER SYSTEM
5. **Participation of the department in the courses offered by other departments:** Curriculum development, Instruction and Evaluation
6. **Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned	Filled
Asst. Professors	03	03

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.C.Saritha	M.Sc.,Ph.D.,	Asst.Prof.	Embedded Systems	07
Dr.V.Sukanya	M.Sc.,Ph.D.,	Asst. Prof.	VLSI Design	07
K.Nalanakshi	M.Sc.,	Asst.Prof.	Electronics	01

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

	Regular	Temporary/Guest
B.Sc.,	90	10
M.Sc.,	80	20

9. **Programme wise student teacher ratio :**

Programme	Student teacher ratio
B.Sc.,	36:1
M.Sc.,	25:1

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

Sanctioned: Two Filled : Two

**11. Number of faculty with on-going 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: S.K.University recognized research center (2009)**

**14. Publications:**

<b>Name of the Faculty</b>	<b>National Journals</b>	<b>International Journals</b>
Dr. C. Saritha	5	2
Dr. V. Sukanya	5	2

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

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

**17. Faculty recharging strategies :**

- Conducting National workshops and seminars, participating in Oriental programmes, Refresh courses, and Symposia conducted by various colleges, Universities and research institutions.
- Accompanying students in educational tours to research institutions like SKU, JNTU, Radio station, TV station and industries like ROOPANA GUDI Power systems, Hyderabad, BCS innovations, Bangalore etc.,

**18. Student projects :**

- **Percentage of students who have done in-house projects including inter-departmental : 100%**
- **Percentage of students doing projects in collaboration with industries / institutes : NIL**

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

NIL

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

NIL

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

Name of the Course (refer question no. 2)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
B.Sc.,	80	39	33	85	87
M.Sc.,	SVURPGCET	09	18	82	84

**22. Diversity of students :**

Name of the course (refer question no.2)	% of students from the college	% of students from the state	% of students from other states	% of students from other countries
M.Sc. Electronics & Communications	8	90	2	--
M.Phil.	15	85	--	--

**23. How many students have cleared Civil services, Defence services, NET, SLET, GATE and any other competitive examinations?**

1. GATE: 4      2. NET: 5      3. Other competitive: 16

**24. Student progression**

Student progression	Percentage against enrolled
UG to PG	75
PG to M.Phil.,	12
PG to Ph.D.,	6
Ph.D. to Post Doctoral	---
Employed	
Other than campus recruitment	35
UG	
PG	85

## 25. Diversity of staff

Percentage of faculty who are graduates	
Of the same parent university	100
From other universities within the state	----
From other universities from other states	----

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

## 27. Present details about infrastructural facilities

- a) Library : 283
- b) Internet facilities for staff and students : Staff and Research scholars
- c) Total no. of class rooms : UG – 1 PG – 2
- d) Class rooms with ICT facilities : NIL
- e) Students laboratories : UG – 2 PG – 3
- f) Research laboratories : ONE

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

90% of the students covered by govt. welfare scholarships/endowments/SBF

**29. Was any need assessment exercise undertaken before the development of new programs? If so, give the methodology : NIL**

## 30. Does the department obtain feedback from

- **Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?**

Yes, as the institution is a autonomous one, the faculty of the department along with the outside experts frame their curriculum and evaluation methods in its Board of studies meeting. The same will be placed before the Academic council and the department will bring the changes in curriculum or evaluation methods, if suggestions are given by Academic council.

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

Yes, the department gets the feedback from the students on staff, curriculum and teaching learning evaluation. The suggestions made by students are discussed in the departmental review and modifications are considered, if necessary.

- **Alumni and employers on the programmes and what is the response of the department to the same?**

Yes, the department invites alumni to interact with the department and present students and suggestions are taken on curriculum, teaching methods and are used in boosting up the department.

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

1. Smt. K. Sudhamadhuri –Software Engineer , INFOSYS, Hyd.,
2. Smt. G. Swarna Gowri—Embedded Engineer, USA.
3. Smt. G. Nazeema Tasneem, Design Engineers, SIP Sense technologies, Bangalore.
4. K. Krishna kumar, Design Engineer, Tech Mahendra ,Hyd.,
5. Dr. C. Saritha – Lecturer, S.S.B.N Degree College, Anantapur.
6. Dr. V. Sukanya – Lecturer, S.S.B.N Degree College, Anantapur.

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

Expert lectures by guest faculty :-

1. Prof K. Malakondaiah, S.K.U. ATP.
2. Prof K. Soundara Rajan, Principal, JNTU , ATP.
3. Sri. Md. Iftqar, AAS Technologies, Hyd.,
4. Prof. P. Narasimha Reddy, S.V.U , Tirupati.
5. Prof. B.V.S. Goud, Acharya Nagarjuna University, Guntur
6. Prof. K. Venu, University of Hyderabad, Hyderabad.
7. Sri. Basavaraj, BCS Solutions , Bangalore
8. Prof. K. Bhaskar, Gulberga University, Raichur.

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

- Apart from the regular teaching method, modern teaching aids like OHP and LCD, PPTs, demonstration methods are used.
- Involvement of students in study projects, seminars, assignments, quiz programs and study tours.

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

- Learning outcome is monitored by conducting slip tests, internal exams, seminars, quiz and group discussions.
- Remedial coaching offered for slow and disadvantaged learners

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

- Students of the department are actively participating in various extension activities like doing Mini projects and participating in health camp, Blood donation camp, clean and green programme, campus beautification programme, traffic control assistance conducted by college and other N.G.O's and also in all the events conducted outside the college.

- Faculty: The faculty of the Department always attempts to implement the innovative ideas in to reality by developing low cost devices which are useful for the students & Teachers. Preparing the question banks for various entrance examinations for the students etc.

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

- “NATIONAL WORKSHOP ON EMBEDDED SYSTEMS AND APPLICATIONS” organized by the department on 4-2-2007.
- “NATIONAL SYMPOSIUM ON RECENT TRENDS IN VLSI DESIGN” organized by the department on 12<sup>th</sup> &13<sup>th</sup> April, 2008

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

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

**Strengths**

- Two experienced staff members with Ph.D.
- One young and energetic staff member
- Conducting guest lectures with professors of other universities
- The department has well established laboratories with sufficient infrastructural facilities.
- United efforts of the staff.

**Weaknesses**

- Low comprehensive skills of learners
- Lack of long standing faculty.

**Opportunities**

- Establishment of another electronics lab for UG third year students
- Conduct of national/international seminars/conferences
- Add on courses to strengthen the student employability

**Challenges**

- Time management to complete syllabi and practicals due to bandhs, strikes and unwanted interruptions.
- Enforcing strict discipline and cent percent attendance
- Encourage student to prepare for competitive exams like PG entrance exams, NET/SET, GATE, groups, bank exams etc.

**39. Future plans of the department :**

- Improvement of the Research centre
- The department is planning to conduct a two day seminar on “Applications of digital signal processing”.
- To establish a linux lab for PG students
- Planning to collaborate with industries/institutions.
- Planning to start interdisciplinary certificate courses.