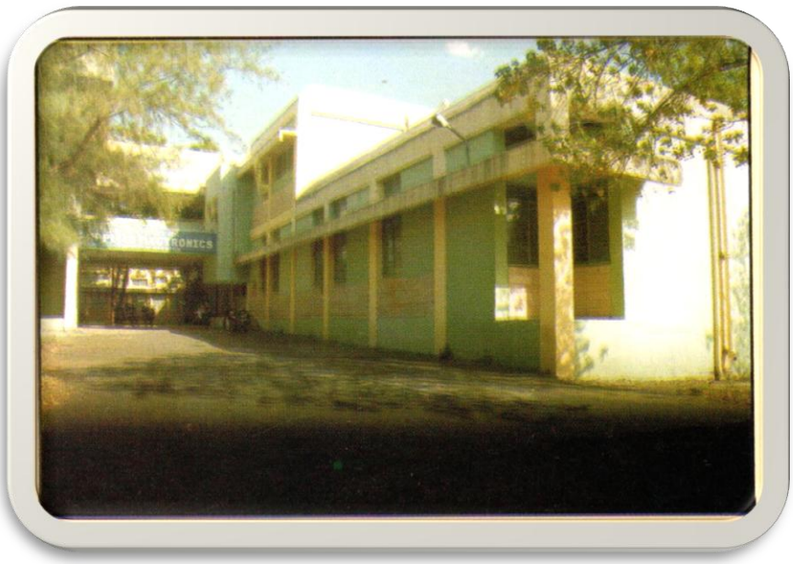
Department of Applied Electronics



Code	502		
Department	Applied Electronics		
Courses run/Programs	M.Sc.(Applied Electronics), Ph.D.(Electronics Engineering)		
Intake for M.Sc.	Host Univ . Oth. Univ. F/NRI Total		
	21 6 3 30		
Eligibility for M.Sc	B.Sc. Physics Or Electronics Or Electronics(Instrumentation) Or Computer Science with Mathematics at 10+2 Level OR Bachelor of Computer science Or Equivalent degree of any other statutory University Minimum 45 % marks at B. Sc. for GENERAL (OPEN) Category Minimum 40 % marks at B. Sc. for RESERVED CATEGORY *(G.R.No.Misc.-2011/(145/2011)Tech.Edu.-4, Date:5 July 2011)*		
Specialization/ Elective if any	Professional Electives with laboratories **Sem II:** Electronic Instrumentation, Control Systems **Sem III:** Elective I- Embedded System Design, Electronic Circuit Design Elective II-Introduction to Fuzzy Logic and Neural Networks, Computer Organization **Sem IV**: Elective I – DSP with TMS 320C54xx, 4AE42 Digital Image Processing Elective II- Smart Sensors, Biomedical Engineering		
Head & Faculty with Designation	Dr. S.V. Dudul, Professor & Head Dr. Mrs. R.D. Raut, Professor Dr. Mrs. S. N. Kale, Associate Professor Shri K.D. Chinchkhede, Assistant Professor Shri. D.R. Solanke, Assistant Professor		
Total Fees In Rs.	**Full Fees**	**GOI**	
Host Univ. Students	3732	732	
Other University (within state)	9932	932	
Other University (Out of state)	9932	--	
Foreign students & NRI	$800	--	

Highlights:

1. Communication Skills with Theory & Laboratory practices introduced in the first semester.
2. Ph. D. programme in Electronics engineering
3. High Quality Research article publications in IEEE Transactions and Elsevier (Science Direct) International journals.
4. Thirteen students awarded Ph.D.in Electronics Engineering.
5. Six patents are published and one patent is filed \

6. Eligible for admission to M.E.(Electronics) course after successful completion of M.Sc.(A/E) according to ordinance No. 40 of 1983
7. Choice based credit grade system in M.Sc. (A/E) with Core Engineering subjects, Professional Electives
8. All teaching faculty with Engineering Qualifications, Well qualified & experienced faculty members.
9. Internet and Wi-Fi facility.
10. Laboratories for professional electives
11. Scope for auditing subjects (Free electives) such as patents and IPR
12. Special attention towards training & placement
13. Eligible for jobs in industries and hardware/software engineer/project manager
14. Hands on exposure to actual designing fabrication of various electronic gadgets and projects
15. Industrial visit in third semester
16. Well equipped laboratories such as VLSI Lab, Microwave lab, Optical fiber communications lab, Microprocessor & Microcontroller lab, Computer lab, DSP Lab.,Language laboratory etc..
17. Well equipped Research Laboratory.
18. Hands-on training and experience of handling sophisticated instruments for fabrication of PCB, developing dream prototypes and working gadgets.
19. Guidance for placement & SET/NET/Gate exams, students' personality development, communication skill development of students, Remedial coaching SC/ST students
20. Departmental Library with more than 500 books.
21. Skill development of students in "Arduino" Open-source electronic prototyping platform, Raspberry pi, MATLAB, etc.