

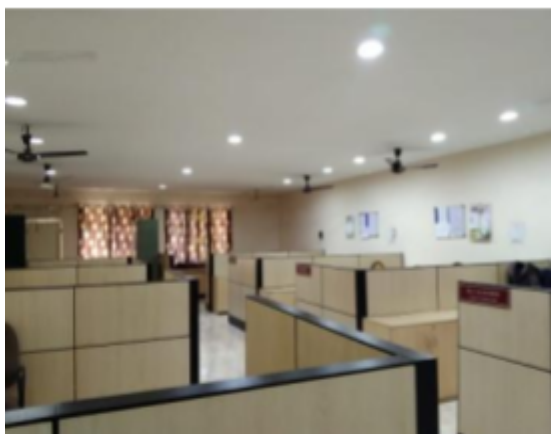
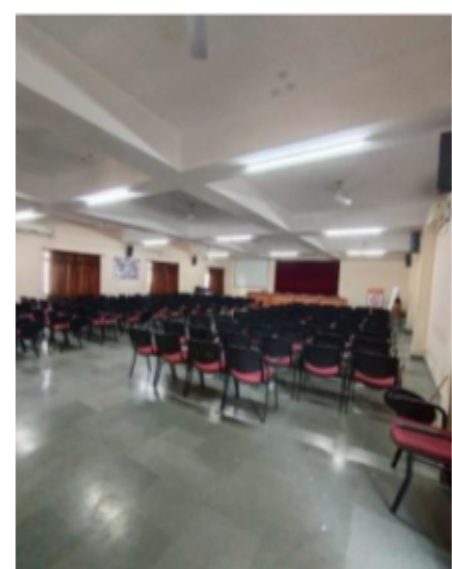
INFRASTRUCTURE

S.N.	TYPE OF ROOM	AREA (CARPET)
1.	Instructional Area (Class room +Labs +Seminar hall)	2120 m ²
2.	Administrative Area (Dept. Lib.+ Staff Room +Office)	451 m ²
3.	Amenities (Common Rooms +Sanitary blocks)	530 m ²
Total Built up Area (1.3* Carpet Area)		3982 m ²

Computing Facility	Quantity
Computers	320
Laptops	02
Printers	21
Projector	16

- ❖ 11 ICT enabled class rooms
- ❖ 17 core/computing/fabrication laboratories with internet facility
- ❖ Seminar room with seating capacity of 150
- ❖ Conference/meeting room with video conferencing facility
- ❖ Department library
- ❖ Girls common room on each floor
- ❖ Adequate number of faculty rooms with computer, printer and internet facility
- ❖ Availability of First aid kits and fire extinguishers

Common Facilities



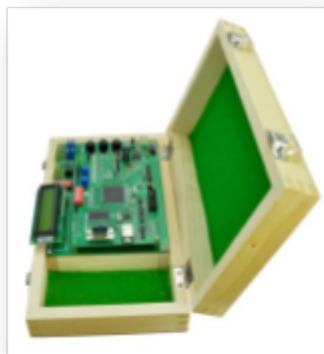


Well Equipped Laboratories



PHYSICAL RESOURCE (HARDWARE PLATFORMS)

- ❖ DSP Trainer TMS320
- ❖ ARM Processor Development Board
- ❖ Universal VLSI / Microcontroller XILINX,ARM Processor trainer Board
- ❖ Fiber Optic Trainer
- ❖ CDMA Trainer Kit
- ❖ Klystron based UHF & MW Test Bench
- ❖ MIC Trainer kit-NV-9008
- ❖ GUNN based UHF & MW Test Bench MT9001
- ❖ UHF & MW Test Bench (SICO)
 - ❖ Scientech ST2403B Ind. PLC Trainer
 - ❖ PLC trainer with Accessories (AB820)
 - ❖ CISCO 1921 Modular Router
 - ❖ Siemens PLC trainers (Siemens 1200)
 - ❖ HMI trainer (KTP700 Basics)
 - ❖ Level Measurement setup with PLC control
 - ❖ Virtex-5 development board



DSP Trainer TMS320



NEXYS 4 FPGA
board



Virtex 5 Development
Board



PHYSICAL RESOURCE (TEST & MEASUREMENT TOOLS)

- ❖ CADDO Spectrum analyzer-1GHz
- ❖ DSO 100/200 MHz-1Gs/s and 2Gs/sec -2 channel and 4 channel
- ❖ Vector Network Analyser-4.5GHz
- ❖ Power Scope-2 Channel
- ❖ Universal Programmer PRO-580
- ❖ Universal IC TesterPRO-580
- ❖ Keithley Electrometer-6517B
- ❖ Logic analyzer cum pattern generator 36/48 Channel 100 MHz
- ❖ NI Data Acquisition system Model DAQ 6003



Electrometer



NI Data Acquisition System



PHYSICAL RESOURCE (SOFTWARE TOOLS)

- XILINX Vivado
- Orcad Suite 9.2
- LabVIEW Device System For Windows 8.5.1
- ARM processor –Triton IDE Compiler ver.1.0
- Mentor Graphics FPGA Advantage 6.3
- Keil realview MDK ARM v3.4
- COMSOL Multiphysics 5.2
- Intellisuite software
- Cogenda visual TCAD

PHYSICAL RESOURCE (INDUSTRY SPONSORED TOOLS)

S.N.	Item with specification	Industry	Amount (in kind)
1.	OMAP L138 kits Qty: 4 kits, under the TI university lab donation program	Trident, Pune	Rs.1.08 Lacs
2.	Intellisuite MEMS tool Qty: 10+1 user Licenses, Under university donation program	IntelliSense Pvt. Ltd, Bangalore	Rs.11.55 Lacs
3.	1.ARM boards Freedom Development Board (FRDM-KL25Z) (Qty:10) 2. MDK-Professional Edition (100 User Licenses) Under ARM university lab donation program	ARM limited	Rs. 6.66 Lacs
4	ARM University Program Cypress Digital Signal Processing Development Boards (FM4-S6E2CC-ARM Cortex-M4)-10 Qty	ARM limited	Rs. 30,812
Total Amount			Rs. 19.59 Lacs

Lab Coordinators

Sr No	Name of Lab	Name of Lab Incharge	Room NO.	Computers
1	CMOS VLSI Design Lab	PROF. S. R. PANDEY pandeys@rk nec.edu	B-01/2	Nil
2	Electrics Devices and Circuits Lab	PROF. V. R. GUPTA guptar1@rk nec.edu	B-2/5	8
3	Analog Circuit Lab	PROF. R. H. KHOBRA G A D E khobragaderh@rk nec.edu	B-2/5	3
4	Digital Signal Processing Lab	PROF. R. R. KHANDELWAL khandelwalrr@rk nec.edu	B-0/2	24
5	Software Lab	PROF. S. V. Laddha laddhasv2@rk nec.edu	B-0/1 (A)	20
6	Project Lab	PRO. L. M. HEDA Hedalm1@rk nec.edu	B-0/1 (B)	23
7	Microwave Engineering Lab	PROF. A. R. TIWARI tiwariar@rk nec.edu	B-1/1	3
8	Communication Engineering Lab	PROF. P. P. RANE Ranepp1@rk nec.edu	B-1/1	Nil
9	Digital System Design Lab	PROF. S .G. DAWARE dawaresg@rk nec.edu	B-1/2	30
10	Computer Communication Network Lab	PROF. N. S. DAMLE damlens@rk nec.edu	B-1/2	Nil
11	Digital Circuit Design Lab	PROF. S C. ANJANKAR anjankarsc@rk nec.edu	B-01/3	38

12	Electronic Project Design Lab	PROF. P. A. DWARAMWAR dwaramwarpa@rknec.edu	B-01/2	24
13	Electronic Design Automation Lab	PROF. P. U. JOSHI joshipu@rknec.edu	B-2/1	32
14	Research Lab	PROF. K. M . DHOTE dhotek@rknec.edu	B-2/1	17
15	Instrumentation and Control Lab	PROF. B. M. HARDAS hardasbm@rknec.edu	B-1/1	5
16	Mechatronics Lab	PROF. V . R. RATHEE ratheevr@rknec.edu	B-2/5	2
17	Internet of Things Lab	PROF. V . R. RATHEE ratheevr@rknec.edu		Nil
18	Centre for Microsystems	PROF. J. P.KALAMBE kalambeja@rknec.edu	B-2/4	11
19	Seminar Hall	PROF. D.M. KOTAMKAR shelkedt@rknec.edu	B-3/1	1
20	Conference Room	PROF. D.M. KOTAMKAR shelkedt@rknec.edu	B-1/3	2
21	PCB Lab	PROF. V. E. KHETADE khetadev@rknec.edu	B-01/1	13
22	System Design Lab	PROF. J. B. ZALKE zalkej@rknec.edu	B-3/6 (A)	30
23	Biomedical Instrumentation Lab	PROF. J. A. SHRAWANKAR shrawankarja@rknec.edu	B-1/1	10
24	Fundamental of Electrical and Electronics Engg Lab	PROF. A. GUPTA guptaam@rknec.edu		Nil
25	IoT and Embedded Lab	PROF. P. K. JOSHI joshipk@rknec.edu	B-0/3	34

