

Mandatory Disclosure Engineering Programme

I. Name and Address of the Institution

Name of the Institute	Noorul Islam College of Engineering
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Address	P.B No. 1 Kumaracoil Thuckalay -629180 Kanyakumari Dist Tamilnadu India
STD Code	04651
Phone No:	250566, 250266, 250966, 252966
E-Mail :	nicenet@mailcity.com
Fax No.	04651-250266, 257266
Web site	www.niceindia.com
Nearest Rly Station	Nagercoil Jn.
Nearest Airport	Trivandrum

II. Name and address of the Principal

Name	Dr. K. Thyagarajan	Highest Degree : Ph.D.	Specialization : Mechanical Engg.	
Qualification	B.Sc. (Engg.), M.Sc.(Engg.), PhD., F.I.E.(India), Ch. Engr., M.I.S.T.E, M.C.I.(USA)	Date of Birth	Total Experience : 37 Yrs.	
STD Code	04651	Phone No. (O) : 251466	Fax No.	04651-250266
STD Code	0471	Phone No. (R) : 2591684	Fax No.	-
E-Mail	drkthyagarajan@yahoo.com	Mobile Phone	9443993008	

III. Name of the Affiliating University

Name	Anna University, Tirunelveli		
Address	Anna University, Tirunelveli		
Pin Code	627007	Period of Affiliation	Permanent Affiliation for 8 courses & provisional Affiliation for remaining courses
STD Code	0462	Phone No.	2554255
Fax No.	0462-2552877	E-Mail Website	- www.annauniv.edu.in

IV. Governance

Name and Address of the Society / Trust

Name	Noorul Islam Educational Trust		
Address	10, 47A, Hajee Manzil, Thuckalay, K.K. Dist Tamil Nadu		
Pin	629 175	STD Code	04651
Phone No.	252449, 250266, 250966	Fax No.	04651-250266
E-Mail	info@niceindia.com	Web site	www.niceindia.com

Brief details regarding background of the Trust/ Society, Governing body members, etc.

The Institution is managed by Noorul Islam Educational Trust, which has seven members. The Chairman of the Trust is the Chairman of the College Governing Body also and he is authorized by the N.I. Educational Trust to carryout the College affairs in consultation with the Governing Body of the College.

Members of the College Trust

1.	Dr.A.P. Majeed Khan 10/47A, Hajee Manzil, Kollemvilai, Thuckalay	Chairman
2.	Mrs. Saifunissa Vellamkulam, Aralumoodu P.O, Neyyattinkara	Director
3.	Mr. M.M. Ali 24053, Mekkapalayam, Mettukadai, Thuckalay	Director
4.	Mr. Abdul Kader Vellamkulathala veedu, Aralumoodu P.O, Neyyatinkara	Director
5.	Mrs. Ansa Sabnam 22, Camino Road, Har Borne, Birmin Gham, UK	Director
6.	Dr. Safeek Salim 22, Camino Road, Har Borne, Birmin Gham, UK	Director
7.	Mrs. Sainaba Vellamkulathala veedu, Aralumoodu P.O, Neyyatinkara	Member

Members of the College Governing Council

1.	Dr.A.P. Majeed Khan Chairman, Noorul Islam Educational Trust 10/47A, Near Telephone Exchange, Thuckalay	Chairman
2.	Mr.G.M.Sha Wakaf Board Member, North Soorankudy, Nagercoil	Member
3.	Mr.M.M.Ali 24-53, Mekkapalayam, Mettukadai, Thuckalay	Member
4.	Dr.R.Ibrahim Kutty Dean, Communications & Information Technology, Noorul Islam College of Engineering, Kumaracoil	Member
5.	Dr.R.Balu Dean, Mechanical Engineering Noorul Islam College of Engineering, Kumaracoil	Member
6.	Dr.B.Krishnan Principal, Noorul Islam College of Arts & Science Kumaracoil	Member

7.	Dr.M.L.Narayanan Former Principal, S.T. Hindu College, Nagercoil Presently Director (Grievance Cell), Noorul Islam College of Engineering, Kumaracoil	Member
8.	Dr.M.Zathick Ali Dean, Management Studies Noorul Islam College of Engineering, Thuckalay	Member
9.	University Representative	Member
10.	Dr.K. Thyagarajan, Principal (Ex-Officio) Principal, Noorul Islam College of Engineering	Member Secretary

Information on Establishment of the Institution

- i. Year of Establishment : 1989
- ii. Date on which first approval was accorded by the Council : 30-07-1989
- iii. Year of Commencement of the first batch : 1989-90 academic year
- iv. Details of Last extension letter with year of approval :

F.No.730-52-239(E)/ ET/ 97 dated 02.05.2008 approved upto 2008-2011

Grievance Cell

The Noorul Islam College of Engineering has a full-fledged Grievance Cell headed by a senior professor as its Director. The main objective of this cell is to redress the genuine grievances of the teaching / non-teaching staff and students. The Grievance Cell also pays attention to certain humanitarian causes such as the problems of the Tsunami affected students. The cell studies the problems of the students and apprises the Management and the district officials of the Government about the problems and strive for the quick redressal of the problems. In fact the Grievance cell has been hectically active during the last three years, meeting the district collectors and officials of the Kanyakumari, Tirunelveli and Tuticorin districts requesting them for financial assistance to the Tsunami affected students to meet their tuition fee etc. The cell has so far succeeded in getting from the government of Tamilnadu a sum of about Rs. 16 lakhs towards the tuition fee of the Tsunami affected students.

To streamline its work and make it function effectively, the cell has formed a **Complaints and Redressal Committee** comprising of some experienced persons from the teaching faculty. Any genuine grievance or complaint either from the teaching / non-teaching staff or from the students is discussed in detail by the Redressal committee and proper solution or remedy is suggested. Similarly matters brought to the notice of the cell by the teaching / non-teaching staff or students pertaining to infra-structure facilities in the campus also are taken up for discussion, and in consultation with the chairman remedial measures are taken with out much delay.

The Grievance cell is indeed making substantial contribution for the smooth functioning of this institution.

V. Programme

Name of the Programme approved by AICTE

1. B.E. in Computer Science & Engineering
2. B.E. in Electronics & Communication Engineering
3. B.E. in Electrical & Electronics Engineering
4. B.E. in Mechanical Engineering
5. B.E. in Electronics & Instrumentation Engineering
6. B.Tech. in Information Technology
7. B.E. in Aeronautical Engineering
8. B.E. in Civil Engineering
9. B.E. in Marine Engineering
10. M.E. in Computer Science & Engineering
11. M.E. in Communication Systems
12. M.E. in Applied Electronics
13. M.E. in Computer Integrated Manufacturing
14. M.E. in Thermal Engineering
15. M.E. in Control & Instrumentation Engineering

Name of the Programme accredited by AICTE

1. B.E. in Computer Science & Engineering
2. B.E. in Electronics & Communication Engineering
3. B.E. in Electrical & Electronics Engineering
4. B.E. in Mechanical Engineering
5. B.E. in Electronics & Instrumentation Engineering
6. B.Tech. in Information Technology

AICTE approved existing course(s) of study during academic year 2008-2009

Fulltime/ Part time	Courses	First Year of approval by AICTE (give approval ref. no. & date)	AICTE Approved Intake during last 4 years								Status of Accreditation (Validity period)	
			2007-2008		2006-2007		2005-2006		2004-2005			
			Sanctioned Intake	Actual Admissions	Sanctioned Intake	Actual Admissions	Sanctioned Intake	Actual Admissions	Sanctioned Intake	Actual Admissions		
UG(FT)	BE in CSE	F.No. 24-66188-T5, 31.07.1989	60	60	60	60	60	60	60	60	60	Accredited (upto March 2010)
	BE in ECE	F.No. 24-66188-T5, 31.07.1989	90	90	90	90	90	90	90	90	90	Accredited (upto March 2010)
	BE in EEE	F.No. 2-15/ Bill/ RC(M)/ 93 April 17,1994	60	60	60	60	60	60	60	60	60	Accredited (upto March 2010)
	BE in Mech. Engg.	F 730-52-239/ RC-94 dated 07.06.95	60	60	60	60	60	60	60	60	60	Accredited (upto March 2010)
	BE in EIE	F.No. 730-52-239 (E) ET/ 97 Aug. 97	60	60	60	60	60	60	60	60	60	Accredited (upto March 2010)
	B.Tech in IT	F.No. 730-52-239 (E) ET/ 97 June 98	60	60	60	60	60	60	60	60	60	Accredited (upto March 2010)
	B.E. in Aeronautical Engg.	F.NO.730-52-239(E)/ ET/ 97 SEP 19,2005	60	60	60	56	60	60	60	60	60	-

	B.E. in Civil	F.No. 730-52-239 (E) ET/ 97 June 27, 2006	60	60	60	37	NA	NA	NA	NA	-
	B.E. in Marine Engg.	F.No. 730-52-239 (E) ET/ 97 11.05.2006	60	NA*	60	NA	NA	NA	NA	NA	-
PG(FT)	ME in CSE	07/ 05 TN/ PG/ 2002/ Computer/ 46/ 23/ 08/ 2002	25	25	25	25	25	20	25	25	-
	ME in Comm. Systems	07/ 05 TN/ PG/ 2002/ CS/ 46/ 23/ 08/ 2002	25	25	25	25	25	18	25	17	-
	ME in Applied Electronics	F. No. PG/ TN/ ME/ ELE/ 2003/ 48 dt. 07.07.03	18	18	18	18	18	15	18	17	-
	ME in CIM	F. No. PG/ TN/ ME/ Mech./ 2003/ 56 dated 24.06.05	18	18	18	09	18	09	18	09	-
	ME in Thermal Engg.	F. No. 730-52-239 (E) ET/ 97 dated 24.06.05	18	18	18	08	18	NA	NA	NA	-
	ME (C&I)	F. No. 730-52-239 (E) ET/ 97 Sep. 19 th 2005	18	18	18	10	NA	NA	NA	NA	-
UG(PT)	-	-	-	-	-	-	-	-	-	-	-
PG(PT)	-	-	-	-	-	-	-	-	-	-	-

* Admission for marine engineering starting in 2008-2009
Admission for 2008-09 are not yet over, and it is going on

Doctoral programmes offered by the Institution

S. No.	Program	Specialization	Intake (Actual)
1.	Ph.D.	Electrical & Electronics Engineering	11
2.		Mechanical Engineering	15
3.		Management Studies	3
4.		Mathematics	2

Admissions under PIO / Foreign Nationals quota

Nil

Total no. of students placed by the Institution through its Placement Cell (Discipline wise)

Year	Discipline	Total no. of students passed out (last 3 years)	Total no. of students placed through placement cell (last 3 years)
2006	CSE	92	21
	IT	81	24
	ECE	85	22
	EEE	62	17
	EIE	60	16
	Mech.	55	15
	M.E. (All Branches)	51	27
2007	Mech.	54	29
	IT	76	34
	ECE	96	48
	EEE	58	32
	EIE	63	34

	CSE	87	35
	M.E (All branches)	54	25
2008	Mech.	62	35
	IT	61	32
	ECE	93	59
	EEE	60	30
	EIE	58	28
	CSE	61	27
	Aero	58	30
	M.E (All branches)	Results awaited	20

The placement and Training

The placement and Training cell tries to bring the prospective employers closer to the campus. We give emphasis to Industry - Institute interaction and have developed closer ties with industries and institutions. Students are placed for summer training and project training in reputed and leading industrial concerns. The cell conducts career counseling sessions and helps students identifying jobs suited to their skills and fine-tuning individual skills as per the preferred career plans.

VI. Faculty

Name of the Programme (UG & PG)	Total Sanctioned Intake (last 4 yrs. for Engg./Arch./HMCT/ Pharmacy/ Applied Arts etc. , last 3 yrs. for MCA and last 2 yrs. for MBA/ PGDBM)		Total number of Faculty required as per norms (column 2 divided by 15)	Details of Faculty						Nature of Appointment	
				Professors		Assistant Professors/ Readers		Lecturers	Others/ visiting faculty	Total number of faculty Permanent & Approved by University	Total number of faculty on adhoc basis
				Ph.D	Non Ph.D	Ph.D	Non Ph.D				
CSE	UG	240	16	1	1	-	4	11	-	17	-
	PG	50	4	2	-	-	1	1	-	4	-
ECE	UG	360	24	2	2	-	4	16	-	24	-
	PG	50	4	1	-	-	2	1	-	4	-
EEE	UG	240	16	1	1	-	4	11	-	17	-
	PG	36	3	2	-	-	1	-	-	3	-
Mech. Engg.	UG	240	16	2	-	-	6	9	-	17	-
	PG	72	6	2	1	-	3	-	-	6	-
EIE	UG	240	16	2	-	-	3	12	-	17	-
	PG	36	3	1	-	-	2	-	-	3	-
IT		240	16	-	1	-	4	12	-	17	-
Aero. Engg		240	16	5	4	-	1	10	-	20	-
Civil Engg.		240	16	1	-	-	4	11	-	16	-
Marine Engg.		120*	8	-	2	-	2	5	-	9	-
Humanities & Social Sciences		-	40	5	3	2	4	28	-	42	-

* Admission for Marine Engineering starting in 2008-09.

Details of Teaching Faculty (Programme wise)
(Click Here)

Mode of selection of faculty and staff.

Name of the newspapers in which advertisements are placed and their circulation status : The Hindu, The Indian Express, Dinamalar, Daily Thanthi, Malayala Manorama, and Mathru Boomi (more than 15 lakhs)

Constitution of the selection committee

The Committee consists of University representative Experts, AICTE representative, HOD, Principal and two Senior Professors.

VII Profile of Principal

Name : **Dr. K.Thyagarajan**

Date of Birth : 24-05-1947

Academic qualifications (with field of specialization)

B.Sc. (Engg.) - Mechanical Engineering First Class
M.Sc. (Engg.) - Mechanical Engineering, Specialization-Heat Power Engineering
First Class With Distinction
Ph.D. - Mechanical Engineering (Combustion) (IIT, Madras)

Details of Experience
(Academic / Industrial)

: 39 Years

Teaching : 35 Years
(Lecturer : 10 Years, Assist. Prof. : 10 Years, Head, Dean, Principal : 15 Years)

Research : 18 Years

Administration : 15 Years

Date of the appointment in the
present institution

: 09-07-2004

VIII. Fee Structure of the Institution.

S. No.	Category	Govt. quota		Management quota	
		Fixed by the State Fee Committee	Being charged by the Institution	Fixed by the State Fee Committee	Being charged by the Institution
1.	Admission Fee	Nil	Nil	Nil	Nil
2.	Tuition Fee	Rs.40000/-	40000/- - Accredited Course 32,500/- - Non Accredited Course	Rs.62,500/-	Rs.62, 500/-
3.	University fee (Examination fee, Registration fee etc.)	2000/- Per Year 850/-	2000/- Per Year 850/-	2000/- Per Year 850/-	2000/- Per Year 850/-
4.	Hostel fee (Rent etc.)	-	Rent & Mess Rs.10,500/- Per Sem.	-	Rent & Mess Rs.10,500/- Per Sem.
5.	Laboratory fee	Nil	Nil	Nil	Nil
6.	Library fee	Nil	Nil	Nil	Nil
7.	Any other (Internet – VSAT)- Per year	Nil	Nil	Nil	Nil

IX. Admission

No. of Students admitted last three years.

S. No.	Course	Period	Sanctioned Intake	Students Admitted
1.	B.E. in CSE	2002-2006	90	90 + 7*
	B.E. in ECE	2002-2006	90	90 + 8*
	B.E. in EEE	2002-2006	60	60 + 5*
	B.E. in EIE	2002-2006	60	60 + 2*
	B.E. in Mech.	2002-2006	66	60 + 6*
	B.E. in IT	2002-2006	90	82
	M.E. CSE	2004-2006	25	25
	M.E. Communication Systems	2004-2006	25	25
	M.E. in Applied Electronics	2004-2006	18	17
	M.E. in CIM	2004-2006	18	9
2.	B.E in CSE	2003-2007	90	90+6*
	B.E in ECE	2003-2007	90	90+9*
	B.E in EEE	2003-2007	60	60+2*
	B.E in EIE	2003-2007	60	60+6*
	B.E in Mech	2003-2007	60	60+2*
	B.E in IT	2003-2007	90	70+6*
	M.E. CSE	2005-2007	25	21
	M.E. Communication Systems	2005-2007	25	18
	M.E. in Applied Electronics	2005-2007	18	15
	M.E. in CIM	2005-2007	18	9
3.	B.E in CSE	2004-2008	60	60+6*
	B.E in ECE	2004-2008	90	90+8*
	B.E in EEE	2004-2008	60	60+6*
	B.E in EIE	2004-2008	60	60+2*
	B.E in Mech	2004-2008	60	60+5*
	B.E in IT	2004-2008	90	60+6*
	B.E. in AERO	2004-2008	60	60+1*
	M.E. CSE	2006-2008	25	24
	M.E. Communication Systems	2006-2008	25	17
	M.E. in Applied Electronics	2006-2008	18	14
M.E. in C&I	2006-2008	18	11	

* Lateral Entry as approved

x. Admission Procedure

65% Government Quota (through Anna University counseling)
35% Management Quota (Through Management Association – Consortium)

XI. Library facilities.

- A. Total area of the library : 1654.77m²
- B. Seating capacity of the library : 260
- C. Reprographic facility (Yes/No) : Attached with Library
- D. Working hours of library : 08.30 am to 06.00 pm
- E. Library Networking facility (Yes/No) : Yes (DELNET Networking facilities available in Central Library)

F. Usage data of the library (in terms of books issued to the faculty & students etc.)

Bi-weekly an average of 1250-1500 books issued to students Bi-weekly an average of 200-300 books issued to faculty members.

G. Annual library budget (% of annual student fee collected) : 1.20%

I. Details of Library Facility Department / Discipline wise

Sl. No	Courses (s)	Number of titles of the books	Number of volumes	Journals	
				National	International
1	B.E. CSE	518	2172	06	06
2	B.E. ECE	521	2680	06	06
3	B.E. Electrical	385	2332	05	08
4	B.E. Mechanical	376	2306	06	06
5	B. Tech I.T	431	2212	06	06
6	B.E, EIE	279	2217	05	06
7	B.E. Aeronautical	301	2067	05	07
8	B.E. Civil	351	1813	05	07
9	B.E. Marine	267	1401	06	06
10	M.E. Computer Science	295	1459	06	06
11	M.E. Communication	341	2578	06	06
12	M.E. Applied Electronics	321	1488	06	06
13	M.E. Thermal Engg	332	1158	06	06
14	M.E. CIM	317	1472	06	06
15	M.E. Control&Inst	271	1362	06	06
16	Science& Humanities	292	3676	10	03

Details of Laboratories & Workshops

Sl. No.	Name of the Course	Name of the Laboratory / Workshop	Total Area of Lab/ Workshop in sq.m	Major Equipments
Department of Computer Science and Engineering				
1	B.E., Computer Science and Engineering	Computer Lab - I	274.82	LAN-I with 65 Pentium nodes LAN-II with 65 Pentium Node Printers Scanner
2		PC Lab	274.82	LAN – I with 40 Pentium Nodes Printers
3		Computer Hardware Lab	274.82	CPU Trainer Module Printer Trainer Module IBM PC Keyboard Trainer Module Advanced Diagnostic Software Interfacing Units
4		Microprocessor and Interfacing Lab	274.82	Z80 Microprocessor Kit 8085 Microprocessor Kit 8086 Microprocessor Kit 8051 Micro Controller Kit Interfacing Units
5		Internet Lab	247.89	LAN - I with 25 Pentium Nodes IBM RS6000 Sun Ultra 10 Server HCL Infinity Global Line Server WIPRO Net Power Printers
6		E-Learning Lab	200.34	LAN – I with 25 Pentium nodes Avantis Open CD Server Printers Panasonic KX-P1150 Multi-Mode printer 8Port D-Link Hub
7		Video Conferencing lab	260.34	Vcon Desktop video conferencing equipment Vcon Group video conferencing equipment (FALCON) Radvision Multi Conference Unit - 323 RMS Compact Machine – 8 ch Machine RMS Siesta Machine (Electro Sleep) (A103642) 3D Producer Starter Kit (A104203) Video Viewing System (104481) Media DVD “SOS” Planet in 3D (1044466)Virtual Fx 2D\3D Converter Box
Department of Electronics & Communication Engineering				
	BE	Electronics	270	T.V. Pattern Generator Storage oscilloscope Spectrum analyzer
		VLSI Lab	251	1.Schematic Capture 2.Gate Level Simulator 3.Graphical HDL 4.VHDL Simulator 5.FPGA Synthesis 6.Wave form Viewers 7.Design Flow Manager (All above are provided in 4 CD'S) 8.Hard Ware Lock 9.Manual

	BE	DSP	255	<p>Lab Volt Circuit Maker 2000 PRO single user (Model No SW 94527 –01) Lab Volt LVSIM –DCOM Digital Communication Model No 9481 Pentium mmx 200Mhz, 32MB Ram, 2GB hard disk, 1.44mb FDD, Suga colour Monitor,104 Key Board, Logitech Mouse PIII, 00MHz,128MB RAM, 1.44MBFDD, 20GBHDD, 15" Suga colour Monitor,104 Key board Logitech Mouse PIII, 933Mhz, Mercury 810chipset,128MB RAM, 1.44MBFDD, 20GBHDD, 15" Samsung colour Monitor,104 Key Board Logitech Mouse with pad PIII, 933MHz, Mercury 810chipset,128MB RAM, 1.44MBFDD, 20GBHDD, 15" Samsung colour Monitor,104 Key Board Logitech Mouse with pad Intel PIV1.7GHz Mercury 845G, Motherboards, Sony1.44MBFDD, seagate20GBHDD, Samsung 52X CD drive, Hyni12MBSDRAM, Samsung DSP Trainer Kit- DSPIK2105 Mat lab 12.1ver Realize 12 (10user) C Compiler for TMS320C50 ADM PC Based 32 Channel Logic Analyzer Circuit Simulator Software Electronic work bench (10 user) Model No 9452B0 TMS320C6711 Based Development Kit</p>
		Microwave & Fiber Optical Lab	250	<p>Falcon Digital Communication Systems 1.DCL-01 Analog Signal Sampling and Reconstruction unit with power Supply 2.DCL-02 TDM Pulse Amplitude Modulation Demodulation Unit 3.DCL-03 Pulse Code Modulation Transmitter Unit 4.DCL-04 Pulse Code Demodulation Receiver unit 5.DCL-05 Data Conditioning and Carrier Modulation Transmitter Unit 6.DCL-06 Data Reconditioning and Carrier Demodulation Receiver Unit 7.DCL-07 Delta,Adaptive Delta and Sigma Delta Modulation & Demodulation Unit</p>
		Microwave & Fiber Optical Lab	257	<p>8.DCL-08 Pulse Amplitude Modulation/ Pulse Width Modulation/ Pulse Position Modulation Trainer Unit Fiber optic trainer kit Microwave setup (6 nos)</p>

	BE	RF Lab	260	<p>Model ATS2002 86-860MHz Antenna Trainer System Consisting of 86-860 MHz PLL Synthesized Antenna Transmitter, 86-860 MHz PLL Synthesized Antenna Receiver, Stepper motor Controller for Receiver, Antenna Tripod for Mounting Transmitter Antenna, Stepper motor Controller for Receiver, Antenna Tripod for Mounting ReceiverAntenna, RS-232 interface, Polar Plotting and Measurement Software on Window, Antenna Fabrication Kit, Return Loss Bridge, Cables & Connectors, Monopole, Dipole Half wave, Dipole, Crossed Dipole, RHCP, Yagi 4Element, Broad Side Array, Endfire, Log periodic, Helix LHCP, Helix RHCP, Biconical,Discone Sleeve,Square Loop Quad,VAntenna,Whip,Slot,Folded Dipole,Crossed Diploe LHCP,Yagi-3 Element. RF Communication System Consisting of the following 1.Modular RF Communication Training Laboratory. 2.Model RFS-01 10MHz to 1.15GHz RF Signal Source. 3.Model FDTC-04 Ferrite Device and Component Trainer kit a) Model GSP810 150- 1GHz Spectrum Analyzer. b) 10MHz-1GHz Tracking Generator for GSP-810 c) Model NA-04 add on module to convert Spectrum Analyzer with Tracking Generator into Scalar Network Analyser Model TLA-03 Transmission line Trainer&analyzer_with following accessories 50 ohm co-axial cable, 70ohm coaxial cable, 300ohm parallel line with balun, lossy & lossless lines, 50ohm load, 75ohm load, Short load.</p>
		Satellite Lab	255	<p>Satellite Communication Trainer News Fax and Metrological Data Dissemination Systems Doppler Radar Trainer</p>
Department of Electrical & Electronics Engineering				
	BE	Electrical Machines Lab I & II	422.95	<p>DC shunt motor # DC shunt generator DC shunt motor # DC shunt generator coupled tacho generator with control board DC Compound Motor # DC Compound Generator Ward Leonard Speed Control Setup DC motor # 1 phase alternator DC Shunt Motor # DC Series Generator AC 3-phase induction motor # DC shunt motor DC compound Motor # DC Compound Generator DC shunt motor # 3-phase AC generator 3-phase AC generator DC shunt motor # 3-phase alternator 3-phase induction motor # 1-phase alternator 3-phase induction motor # DC compound generator 3-phase Rectifier DC panel, AC Panel</p>

		Control System Lab	251	MATLAB 6.5 Ward-Leonard Speed Control Setup DC Position Control AC Position Control AC servo motor control Synchros PID controller DC Servo Motor
		Power Electronics Lab	253	OrCAD EDA Suite 3 Phase half & fully controlled bridge converter, Inverters, Rectifiers, Cycloconverters, Power Scope Transient Analyser Resonant DC-DC Converter Storage Oscilloscope
		Measurements & Instrn. Lab	253	CRO's, Function Generators, Power Supplies, Digital Trainer Kit OrCAD EDA Suite,LCR Meters Bridges trainer kit Transducers
		Electric Circuits Lab	251	CRO's, Function Generators, Power Supplies, Digital Trainer Kit. kits for verification of theorems Circuit Maker
		Power System Simulation Lab	170.00	AU Power Lab MATLAB 6.5 OrCAD EDA Suite Circuit Maker
		Integrated Circuits Lab	251	CRO's, Function Generators, Power Supplies, Digital Trainer Kit,IC'S OrCAD EDA Suite
Department of Mechanical				
		CAD/CAM LAB	254.52	Model TR-5 (ROB 3) 5- axis Robot for educational use with Teach pendent STARTURN CNC lathe (Trainer Model) STARMILL CNC Bench milling machine with tutor software (Trainer Model) BOXFORD DUJET CNC Machine with tutor software (Trainer Model) FULLAND-530 CNC production lathe with accessories LCD projector Pentium-200MHz with 32X Multimedia kit, 64MB RAM Pentium-4, 1.7GHz with 128 MB RAM Pentium-4, 2.4GHz with 128 MB RAM
	BE	Strength of Materials Lab	256.8	U.T.M 100 tonnes capacity Extensometer (with UTM) Impact testing machine (Izod impact) Compression testing machine (motorised) Fatigue testing machine Spring testing machine Wood testing machine (5000 kg) Rockwell cum Brinell hardness testing machine Torsion testing machine for wires Torsion testing machine for rods Impact Testing Machine Vice
		Fluid Mechanics & Fluid Machinery Lab	261.355	Submersible Pump apparatus Centrifugal pump Reciprocating pump Jet pump Gear pump Pelton Wheel Vane Pump Test Rig Kaplan Turbine Test Rig Francis Turbine Test Rig Multi Stage Centrifugal Pump test Rig Turgo impulse turbine

		Thermal Lab	256.69	<p>Wind tunnel (300 mm*300mm*1000mm)</p> <p>Single cylinder two stroke petrol engine</p> <p>Single cylinder four stroke petrol engine</p> <p>Single cylinder four stroke diesel engine (load test)</p> <p>Single cylinder Four stroke diesel engine [heat balance test]</p> <p>Multi cylinder Four stroke petrol engine</p> <p>Twin cylinder four stroke diesel engine with A C Generator</p> <p>Reciprocating air compressor</p> <p>Air blower</p> <p>Boiler test rig with turbine condenser & calorimeter</p> <p>Cooling tower test rig.</p> <p>Actual Cut Section of Four Stroke Diesel Engine</p> <p>Four Stroke Diesel Engine (Cut model)</p>
	BE	Heat Transfer and Fuel Testing Lab	250	<p>Thermal conductivity at metal rod</p> <p>Thermal conductivity apparatus</p> <p>Heat transfer through composite wall</p> <p>Heat transfer through lagged pipe</p> <p>Heat pipe demonstrator</p> <p>Heat transfer from a pin-fin</p> <p>Heat transfer in forced convection</p> <p>Heat transfer in natural convection</p> <p>Emissivity measurement apparatus</p> <p>Parallel flow / counter flow heat exchanger</p> <p>Stefan Boltzman Apparatus</p> <p>Bomb calorimeter apparatus</p> <p>Junker's calorimeter apparatus</p> <p>Cloud & pour point apparatus</p> <p>Orsat Apparatus</p> <p>Air conditioning Test Rig</p> <p>Refrigeration Test Rig</p> <p>Drop wise and film wise condensation test apparatus</p> <p>Air cooler test rig</p> <p>LPG Refrigeration Test Rig</p>
		Dynamics Lab	260	<p>Speed measurement demonstration Apparatus</p> <p>Speed Measurement by digital stroboscope</p> <p>Piezo electric pick up motor</p> <p>Epicyclic Train Model</p> <p>5Turn Table Apparatus</p> <p>6Motorized Gyroscope</p> <p>C7onnection rod and Flywheel –</p> <p>Determination of Moment of Inertia by Oscillation</p> <p>Gear Reducer – Determination of Transmission Efficiency</p> <p>Universal Governor Apparatus</p> <p>CAM Study Model</p> <p>Vibrating Table – Determination of Transmissibility Ratio</p> <p>Two Rotor System with Lumped Mass</p> <p>Transfer Vibration Free –Free - Beam</p> <p>Whirling of Shaft</p>
		Metrology Lab	251.8	<p>Angle plate (150*125*112)</p> <p>Combination set</p> <p>Profile projector</p> <p>Tool maker's microscope</p> <p>G.G. Autocollimator</p> <p>Accurate Pneumatic Comparator with Air Compressor</p> <p>"MITUTOYO" Surface Roughness Tester SJ-201</p>
		Carpentry Shop, Fitting & Sheet metal Shop	294.5	<p>Circular sawing machine</p> <p>Carpentry Vice</p>

		Smithy Shop	257.5	Anvil (105 kg) Anvil (50 kg) Power Blower ¼ HP Swage Block
		Welding Shop & Foundry Shop	255.9	Single phase 4kVA air cooled welding transformer 3 phase 6kVA oil cooled welding transformer 3 phase 6kVA oil cooled welding transformer Single phase 6kVA air cooled welding transformer Carbide tank Welding generator 3 phase Oxygen gas cylinder Cupola Furnace with Motor Moulding Boxes and tools
	BE	Special Machines Shop	302.5	'Master' shaper m/c with 12" stroke gear type 'Master' shaper M/C with 12" stroke gear type 'Master' planer m/c with 4.5 stroke 'Master' surface grinder with magnetic chuck 'Master' milling machine with 0.5" cutter Drilling machine 'MASTER' centerless grinding machine 'Suraj' universal milling machine geared 'Sree sakthi' power hacksaw size -7 Capstan lathe (TT 32G) 'Master' model gaurav gear Hobbing m/c 'Master' model radial drilling m/c 'Master' V belt driven heavy duty slotting m/c 'Master' lathe 'Atlas' flexible shaft grinding m/c Hydraulic press (150 tonnes) 'Master, tool & cutter grinder with magnetic chuck 'RIAT' cylindrical grinding machine
		Lathe Shop	273.5	PL-4 lathe with 1 HP motor 'Pilot' lathe with 1HP motor 'Sona' lathe with 1HP motor 'Master' lathe with 1HP motor Wood planner with 1HP motor True check 3 jaws Dog chuck 4 jaws
Department of Electronics & Instrumentation Engineering				
	BE	Process Control Lab	260	Closed Loop Pressure, Level, Flow & Temperature control Station P To I Converter I to P Converter Thermal System with On/Off Advanced PLC Trainer Demonstration Unit Bottle Filling Module Batch reactor process module SCADA Software Simplicity SCADA Software Simplicity Distributed Control System Pentium IV, 2.8GHZ 128MB, RAM, 40GB HDD Pentium III, 933 MHZ, 40GB HDD, 128MB Ram Interacting and Non-interacting trainer kt Cascade ratio control trainer Feed forward controller

	BE	Control & Instrumentation	255	LCI Vibration Acceleration Measurement Using Vibration pick-up Speed Measurement Closed Loop control using Dc Motor ITB PEC.001 Instrumentation Tutor Part -I Digital control systems TMS 320e50Based Trainer Kit Flame Photo Meter EMG – Pre Amplifier System EEG – Pre Amplifier System with Electrodes Digital Spectro Photo Meter Pentium II Pentium 200 MMX Vacuum Pressure Measurement Orifice Trainer module to measure flow model UITM-15 Level Measurement using differential pressure Transmitter
		Electrical & Electronics Measurement & Electronics Lab	270	Dead weight pressure gauge Flapper Nozzle System Hall Effect Transducer trainer with Auto Transformer Spectrum Analyser Smart Transducer CRO 7 nos. IC Tester Analog , Digital, Photophone Overhead Projector
Department of Information Technology				
	B.Tech	Multimedia Lab	300	LAN-I with 36 Pentium nodes Printers Digital Camera Digital Video Camera RF Modems W-LAN Transmitter / Receiver
		Software Engineering Lab	267	LAN-I with 36 Pentium nodes Printers RF Modems W-LAN Transmitter / Receiver
		Programming Lab	225	LAN-I with 36 Pentium nodes RF Modems W-LAN transmitter / receiver Printers
		Cisco Networking Lab	250	Cisco 1721 Router Cisco 806 Series Router Cisco 2950 Catalyst Switch
Department of Aeronautical Engineering				
	B.E.	Aircraft Structure Lab	258	1. Universal Testing Machine 2. Strain gauges and Strain Indicator 3. Beam Test Set up 4. Column Test Apparatus 5. 12” Diffused Polariscope
		Aerodynamic Lab	260	1. 300x300 Subsonic Wind Tunnel 2. 150x100 Supersonic Wind Tunnel
		Aircraft Structure Repair Lab	300	1. Universal Drilling Machine 2. Cupping Machine 3. Riveting Machines 4. Pipe Bending Machine 5. MIG Weld Plant
		Aero Engine Repair and Maintenance Lab	300	1. Lexas Lycoming Piston Engine 2. Pratt-Whitney Piston Engine 3. MI-8 Turbo Jet Engine 4. MAK- Roycer Jet Engine 5. NDT Equipment (Ultrasonic Flaw Detector) 6. Precision Instruments
		Propulsion Lab	258	1. Subsonic Wind Tunnel 2. Forced Convective Apparatus 3. Free Convective Apparatus
		Aircraft System Lab	600	1. L-5 American Aircraft 2. Puspak Aircraft 3. Cesna 172 Aircraft

Department of Civil				
		Construction Materials lab	250	UTM, CTM, Impact testing machine, CBR apparatus, Concrete mixture machine
		Survey lab	256	Theodolite, Levelling, Plane Table, Total station
		S.M.lab	265	Torsion testing machine, UTM, CTM, spring testing machine
	BE	Hydraulic Engg.Lab	261	Pelton wheel, Francis turbine, Pumps,Flow devices.
		Soil Engineering Lab	250	<ol style="list-style-type: none"> 1. Sieves 2. Hydro meter 3. Liquid & Plastic limit apparatus 4. Shrinkage limit apparatus 5. Proctor compaction apparatus 6. Direct Shear apparatus 7. Field Density measuring device 8. Triaxial shear apparatus
		Environmental Engineering Lab	250	<ol style="list-style-type: none"> 1. pH meter digital 2. Turbidity meter digital 3. Digital conductivity meter 4. BOD incubator 5. Muffle furnace 6. Water bath 7. Hot plate
Department of Marine Engineering				
	BE	Marine Engg. Lab	265	Ruston Engine-2460 BHP (Type 9 ATCM, Speed 600 RPM) Anchor with 3 feet chain Liferaft with HRU Life jacket Life Bouy Sextant Fire suit Nozzle of different types Fire hydrant and adapter Different types of extinguisher Wire rope Rope Bottle screw Jacket Cooling Pump Booster pump Note : The Main Engine for the Ship in Campus was purchased with some accessories and the construction is in progress.
		CAD/CAM LAB	254.52	Model TR-5 (ROB 3) 5- axis Robot for educational use with Teach pendent STARTURN CNC lathe (Trainer Model) STARMILL CNC Bench milling machine with tutor software (Trainer Model) BOXFORD DUET CNC Machine with tutor software (Trainer Model) FULLAND-530 CNC production lathe with accessories LCD projector Pentium-200MHz with 32X Multimedia kit, 64MB RAM Pentium-4, 1.7GHz with 128 MB RAM Pentium-4, 2.4GHz with 128 MB RAM
		Strength of Materials Lab	256.8	U.T.M 100 tonnes capacity Extensometer (with UTM) Impact testing machine (Izod impact) Compression testing machine (motorised) Fatigue testing machine Spring testing machine Wood testing machine (5000 kg) Rockwell cum Brinell hardness testing machine Torsion testing machine for wires Torsion testing machine for rods Impact Testing Machine Vice

		Fluid Mechanics & Fluid Machinery Lab	261.355	Submersible Pump apparatus Centrifugal pump Reciprocating pump Jet pump Gear pump Pelton Wheel Vane Pump Test Rig Kaplan Turbine Test Rig Francis Turbine Test Rig Multi Stage Centrifugal Pump test Rig Turgo impulse turbine
		Thermal Lab	256.69	Wind tunnel (300 mm*300mm*1000mm) Single cylinder two stroke petrol engine Single cylinder four stroke petrol engine Single cylinder four stroke diesel engine (load test) Single cylinder Four stroke diesel engine [heat balance test] Multi cylinder Four stroke petrol engine Twin cylinder four stroke diesel engine with A C Generator Reciprocating air compressor Air blower Boiler test rig with turbine condenser & calorimeter Cooling tower test rig. Actual Cut Section of Four Stroke Diesel Engine Four Stroke Diesel Engine (Cut model)
	BE	Heat Transfer and Fuel Testing Lab	250	Thermal conductivity at metal rod Thermal conductivity apparatus Heat transfer through composite wall Heat transfer through lagged pipe Heat pipe demonstrator Heat transfer from a pin-fin Heat transfer in forced convection Heat transfer in natural convection Emissivity measurement apparatus Parallel flow / counter flow heat exchanger Stefan Boltzman Apparatus Bomb calorimeter apparatus Junker's calorimeter apparatus Cloud & pour point apparatus Orsat Apparatus Air conditioning Test Rig Refrigeration Test Rig Drop wise and film wise condensation test apparatus Air cooler test rig LPG Refrigeration Test Rig
		Dynamics Lab	260	Speed measurement demonstration Apparatus Speed Measurement by digital stroboscope Piezo electric pick up motor Epicyclic Train Model 5Turn Table Apparatus 6Motorized Gyroscope C7onnection rod and Flywheel – Determination of Moment of Inertia by Oscillation Gear Reducer – Determination of Transmission Efficiency Universal Governor Apparatus CAM Study Model Vibrating Table – Determination of Transmissibility Ratio Two Rotor System with Lumped Mass Transfer Vibration Free –Free - Beam Whirling of Shaft

		Metrology Lab	251.8	Angle plate (150*125*112) Combination set Profile projector Tool maker's microscope G.G. Autocollimator Accurate Pneumatic Comparator with Air Compressor "MITUTOYO" Surface Roughness Tester SJ-201
		Carpentry Shop, Fitting & Sheet metal Shop	294.5	Circular sawing machine Carpentry Vice
		Smithy Shop	257.5	Anvil (105 kg) Anvil (50 kg) Power Blower ¼ HP Swage Block
		Welding Shop & Foundry Shop	255.9	Single phase 4kVA air cooled welding transformer 3 phase 6kVA oil cooled welding transformer 3 phase 6kVA oil cooled welding transformer Single phase 6kVA air cooled welding transformer Carbide tank Welding generator 3 phase Oxygen gas cylinder Cupola Furnace with Motor Moulding Boxes and tools
	BE	Special Machines Shop	302.5	'Master' shaper m/c with 12" stroke gear type 'Master' shaper M/C with 12" stroke gear type 'Master' planer m/c with 4.5 stroke 'Master' surface grinder with magnetic chuck 'Master' milling machine with 0.5" cutter Drilling machine 'MASTER' centerless grinding machine 'Suraj' universal milling machine geared 'Sree sakthi' power hacksaw size -7 Capstan lathe (TT 32G) 'Master' model gaurav gear Hobbing m/c 'Master' model radial drilling m/c 'Master' V belt driven heavy duty slotting m/c 'Master' lathe 'Atlas' flexible shaft grinding m/c Hydraulic press (150 tonnes) 'Master, tool & cutter grinder with magnetic chuck 'RIAT' cylindrical grinding machine
		Lathe Shop	273.5	PL-4 lathe with 1 HP motor 'Pilot' lathe with 1HP motor 'Sona' lathe with 1HP motor 'Master' lathe with 1HP motor Wood planner with 1HP motor True check 3 jaws Dog chuck 4 jaws
		Applied Mechanics Lab	242	Crucible furnace Sand Strength Testing Machine Permeability Shear Strength Testing Machine Compression Strength Testing Machine Transfer Strength Testing Machine

		Boiler Chemistry Lab	262	Burette, Pipette, Beaker, Conical Flask, Bunsen Burner Burette, Pipette, Conical Flask, STD Flask 100ml Burette, Pipette, Conical Flask, STD Flask Burette, Pipette, Conical Flask Do Bottle, Burette, Pipette, Conical Flask Wepхло turbidity meter, STD Flask Pipette PH meter, Buffer tablets, beaker Petridish, Hot air Oven, Weighing Balance Water Analysis kit Meker Burner, Silica, Crucible, Electric Bunsen, Petridish Hot air Oven Burette, Pipette, Conical Flask, turbidity meter, Bunsen Burner, Beaker, STD Flask Burette, Pipette, Beaker, Conical Flask, Bunsen Burner
Department of Physics				
		Physics Lab	252	Hysterisis loop apparatus – 1 Hall effect apparatus – 1 Polarimeter Apparatus – 1 H-Ne Laster – 1 Spectrometer – 15 Semiconductor Laser – 7 Traveling Microscope – 17 Ultrasonic Interfreometer – 2 Forbidden energy gap kit - 2
Department of Chemistry				
		Chemistry Lab	250	Spectrophotometer Flame photometer pH meter Hot air oven Conductivity meter – Digital Potentiometer – Digital Potentiometer Ten wire Deioniser Electronic balance Ostwalds viscometer
Department of English				
		Renet Multimedia Language Lab	250	LAN-I with 15 Pentium nodes Head Phone Set Development Communications Skill Packages

Computing Facilities

Sl. No.	Particulars	Requirements as per Norms (1:4 all undergraduate UG Programmes and 1:2 for MBA/MCA/ PGDM/ PGDBM)		Availability	
1.	No of Computer terminals	UG – 600, PG – 150 Total – 750		994	
2.	Hardware Specification	PIV-750		PIV-800, PIII-150, Others - 44	
3.	No of terminals of LAN/WAN	400		950	
4.	Relevant Legal Software	Application Software	System Software	Application Software	System Software
		10	4	72	32
5.	Peripheral(s)/ Printers	75		120	
6.	Internet Accessibility (in kbps & hrs)	-		1. Reliance Broadband 4Mbps connection 2. BSNL Broadband 2Mbps connection (16 Lines) 3. VSAT Connection FTDMA-DVB 64kbps	

Internet And Video Conferencing Facilities

INTERNET FACILITY:

Broadband

- Reliance 4 MBPS Bandwidth connection
- Broadband Connection:
 - 16 lines of Broadband (2 Mbps) connection (DataOne)
- VSAT connection.
 - FTDMA VSAT 64 kbps shared.
- Campus Networking is done with Fibre optical cable, RF modem and Wireless LAN technology and the internet facility is made available to the entire campus with different servers.
 - Proxy and mail servers
 - IBM RS 6000 Power PC Machines.
 - Sun Enterprise Ultra 10 Machines.
 - Wipro Net Power 5210 Machines.
 - HCL Infinity2350T Machines
 - **AVANTIS Open CD Server/ Campus Server**
 - Hard Disk Caching saves times and increase bandwidth
 - CD Server Make the access speed to data faster and reduce the down time due to network failure
 - 100 User can access the same CD simultaneously

VIDEO CONFERENCING FACILITY :

- Video Conferencing facility within the campus is done using the intranet facility
- Video Conferencing with remote sites is done using
 - i) VSAT link.
 - ii) ISDN lines.

Vcon **MCU** (Multi Conferencing Unit) capable of connecting 16 conference panels at the same time and Vcon **MCG** (Multi Conferencing Gateway) capable of connecting 4 remote participants through ISDN are available in the campus.

Students can avail the internet facility by sitting at their homes with the help of Dial-up networking round the clock.

Building

1. Available Built up area per student 18.4 sq. m.
2. Total Built up Area for the existing Programme(s) 44114.15 Sq.m

Particulars	Area required as per norms (Sq. M)	Building with RCC Roof (Sq. M.)	Building with Sheet Roof (if suitable for Ednl. Institution) (Sq. M.)	Total Sanctioned intake	Built up area per student	Total Area Available (Sq. M.)
Instructional Area (Carpet Area)	14400	23203.49	167.19	2400	9.13	23370.68
Administrative Area (Carpet Area)	2400	2507.37	Nil	Nil	1.04	2507.37
Amenities Area (Carpet Area)	4800	9806.2	Nil	Nil	4.32	9806.2
Circulation & Other Area (*)	10273.16	11001.67	Nil	Nil	4.58	11001.67
Hostel for Boys & Ladies			Nil	Nil		
TOTAL	31873.16	43946.96	167.19	2400		44114.15

Instructional Area for the existing programme(s)

Particulars	Number of rooms		Carpet area of each room	
	Requirement as per norms	Available in the institution	Requirement as per norms (in Sq.m)	Available in the Institution (Sq.M)
Class rooms	49	70	66	91.63x70 = 6414.10
Tutorial Hall	12	15	36	91.63x15 = 1374.45
Drawing Hall	4	6	175	1050
Computer Center	1	5	150	750
Library	1	1	400	1654.17
Reading Hall				
Laboratories & Workshops	27	34	250	12127.96
Total	94	118	6027	23370.68

Land Availability

Land Category (Rural/ District Head Quarter/ State Capital/ Metropolitan city)	Area required as per Land Category (Acres)	Total Area available (Acres)
Rural	25 Acres	188.51 Acres

Availability of other facilities

Sl.No.	Parameter	Availability	
1	All Weather Approach Road (cemented / kuchha)	Available ,Tarred Road	
2	Potable Water Supply System (own bore well / municipal corporation)	Available, Both Available	
3	Electrical Generator (5kv, 5-10 kv, 10-15 kv, more than 20 kv)	Available (5 Nos. 250 KVA)	
4	Students' Canteen	Available	
5	Students' Common Room (Boys / Girls)	Available	
6	Hostel	Boys	Available(4 Blocks)
		Girls	Available (3 Blocks)
	If no hostel facility is available, whether arrangements have been made for boarding and lodging of students near to the institution, if yes mode of travel from the place of stay to the institution		
7	Principal's Quarters	Available	
8	Digital Library	Available	
9	Quarters for Faculty	Available	
10	Guest House	Available	
11	Parking facilities	Available	
12	Medical facilities (full time / part time doctor / dispensary)	Available (two Full Time Doctors with 4 Beds)	
13	Insurance facilities	Available	
14	Telephone booth	Available	
15	Gymnasium /indoor / outdoor stadium	Available	
16	Rainwater-harvesting facilities are available	Available	
17	Post office facility	Available	
18	Bank facility	Available	
19	Transport facility for day scholars	Available 20 College Buses	
20.	Reprographic facilities in the Institutions.	Available	
21.	Barrier free environment for physically challenged.	Available	

Teaching Learning Process

- Curricula and Syllabi As per Anna Univresity Curriculam and Syllabus (website : <http://www.annauniv.edu>)
- Academic calendar is published at the beginning of each academic year
- Lesson plan and course notes are prepared by each faculty member
- Syllabus coverage is monitored and completed well ahead of model exam
- New teachers are given induction training program
- Two internal test, one model exam and one retest is conducted every semester
- Sample question and answers are given to students and also to library and our website
- Staff evaluation by students every semester

Details of PG Programme

Name of the P.G Programme approved by AICTE

1. M.E. in Computer Science & Engineering
2. M.E. in Communication Systems
3. M.E. in Applied Electronics
4. M.E. in Computer Integrated Manufacturing
5. M.E. in Thermal Engineering
6. M.E. in Control & Instrumentation Engineering

Faculty Profile

PG Level											
M.E. in Computer Science and Engineering											
1	Dr.N.Chandrasheker	Prof.	B.E., Mechanical Engineering, First Class	-	Ph.D. Engg. Mechanics	08.04.48	38	-	-	23.12.04	38253/-, 16400- 450- 20900- 500- 22400, 22400/- (16400)
2	Dr.J.Amar Pratap Singh	Prof.	B.E., CSE Second Class	M.E., CSE First Class	Ph.D Comput er Science and Engg	01.01.73	12	-	-	03.06.97	35000/-, 12000- 420- 18300, 16400/-
3	Mr.M.Victor Jose	A.P.	B.E., CSE Second Class	M.E., CSE First Class	-	09.07.70	12	-	-	07.09.98	23220/- 12000- 420-18300 12840/-
4	Ms.R.Suji Pramila	Lect.	B.E., CSE First Class	M.E., CSE First Class	-	31.07.82	3.6	-	-	07.07.06	13376/-, 8000-275- 13500, 8275/-
M.E. in Communication Systems											
1	Dr.R.S.Moni	Prof.	B.E (ECE) First Class	M.Tech First Class	Ph.D	17.11.46	39	0	10	16.01.06	Rs10000 Rs16400- 22400 Rs.
2	Mr.R.S.Vinod Kumar	A.P.	B.E (ECE) First Class	M.E Communi cation Systems First Class	-	11.05.70	15.1	0	0	14.05.93	Rs24690 Rs12000- 16500 Rs.13680
3	Mrs.Helen Sulochana	A.P.	B.E (ECE) First Class	M.Tech Microwav & Tv Engg First Class	-	23.05.69	17.1	0	0	20.06.91	Rs21286 Rs12000- 16500 Rs.13680
4	Mr.E.P.Kannan	Sr. Lect.	B.E (ECE) First Class	M.E Communi cation Systems First Class	-	31.05.77	7	0	0	03.07.01	Rs17670 Rs10000- 15000 Rs.10000
M. E. in Applied Electronics											
1	Dr. N. Kesavan Nair	Prof.	B. Sc. (Engg) EEE First Class	M. Sc. (Engg) Power Systems	Ph. D. Electroma gnetic Fields	08.05.42	36	4	10	17.08.01	Rs.25,000 Rs.16400- 22400 Rs: 16400

				First Class							
2	S. Joseph Jawhar	Prof./ HOD EEE	B. E. EEE First Class	M. E. Applied Electronics First Class	Ph.D (Londan) Doing Ph.D (Anna Univ.)	10.07.69	15	1	4	18.07.93	Rs 35000 16400- 22400 Rs: 16400
3	X. Felix Joseph	A.P.	B. E. EEE First Class	M. E. Applied Electronics First Class	-	28.02.75	7.4	3	1.6	10.12.04	Rs 17170 12000- 420-18000 Rs: 12000
M.E. in Computer Integrated Manufacturing											
1	Dr. K. Gopla Krishnan Nair	Prof.	B.Sc Engg First Class	M. Tech Industrial Engg First Class	Ph.D Manage ment	23.10.44	40.3	3	10	03.06.04	Rs.15000/- Rs.16,400/- 22,400/- 16400
2	Mr. N. Ramasamy	A.P.	B.E. Mechanic al Engg. First Class	M.E Engg. Design First Class	Doing Ph.D.	01.05.62	22	-	-	01.07.95	Rs.26659/- Rs.12,000 - 18,300/- Rs.14805/-
3	Mr. C.P. Jesuthanam	A.P.	B.E, First Class	M.E Manufacturi ng Technology First Class	Doing Ph.D.	13.01.69	16.8	-	-	03.06.97	Rs.23200/- Rs.12,000 - 18,000 Rs.12840/-
M.E. in Thermal Engineering											
1	Dr.K.Thyagarajan	Princi pal	B.Sc. (Engg), First Class	M.Sc. (Engg) Heat Power Engg. First Class	Ph.D. (IITM) Mechanical Engg.	24.05.47	34	3	15	09.07.04	Rs.50,000/ Rs.18,400 - 22,400/- Rs.22,400/
2	Prof. K. Raveendran	Prof.	B.Sc (Maths) B.Sc(Engg.) First Class	M.Sc (EngG.) Heat Power First Class	-	16.05.43	38	-	-	07.07.98	Rs. 25000 Rs. 16,400 - 22,400 16400
3	Mr. C. Sudhahar	A.P.	B.E Mechanic al Engg. First Class	M.E Refrigerati on & Air Conditioni ng First Class	Doing Ph.D.	30.05.67	14.6	-	-	20.06.96	Rs.23200/- Rs.12,000 - 18,000/- Rs.12000/
M.E. in Control and Instrumentation											
1	Dr. A.K.Rath	Prof.	B.Sc(Eng g) First Class	M.E. First Class	Ph.D.	15.01.44	3.9	-	33	02.08.04	33500 16400 22400 16400
2	Ms.A.Shajila	A.P.	B.E(EIE) First Class	M.E (CSE) First Class	-	26.04.74	10.7	2	-	02.01.98	20622 12000- 18300 12420
3	Ms.T.Latha	A.P.	B.E(ECE) First Class	M.Tech. (Applied E.I) First Class	-	03.06.75	10	-	-	20.06.01	18270 12000- 18300 12000

Laboratories for PG Programme

M.E., Computer Science and Engineering	Computer Lab - II	274.82	LAN-I with 32 Pentium nodes LAN-II with 32 Pentium nodes Printers
	IBM Mainframe Lab	250.00	IBM AS/400e Model 150 – 293 LAN – I with 30 IBM Nodes Printers ADCOM Joystick ADCOM Web Camera
	Wireless LAN Lab	190.12	RF Modems W-LAN transmitter /receiver Printers 16 Port D-Link Hub
	Cisco Networking Lab	250.00	Cisco 1721 Router Cisco 806 Series Router Cisco 2950 Catalyst Switch

ME Communication Systems	DSP	255	Lab Volt Circuit Maker 2000 PRO single user (Model No SW 94527 –01) Lab Volt LVSIM –DCOM Digital Communication Model No 9481 Pentium mmx 200Mhz, 32MB Ram, 2GB hard disk, 1.44mb FDD, Suga colour Monitor,104 Key Board, Logitech Mouse PIII, 00MHz,128MB RAM, 1.44MBFDD, 20GBHDD, 15" Suga colour Monitor,104 Key board Logitech Mouse PIII, 933Mhz, Mercury 810chipset,128MB RAM, 1.44MBFDD, 20GBHDD, 15" Samsung colour Monitor,104 Key Board Logitech Mouse with pad PIII, 933MHz, Mercury 810chipset,128MB RAM, 1.44MBFDD, 20GBHDD, 15" Samsung colour Monitor,104 Key Board Logitech Mouse with pad Intel PIV1.7GHz Mercury 845G, Motherboards, Sony1.44MBFDD, seagate20GBHDD, Samsung 52X CD drive, Hyni12MBSDRAM, Samsung DSP Trainer Kit- DSPIK2105 Mat lab 12.1ver Realize 12 (10user) C Compiler for TMS320C50 ADM PC Based 32 Channel Logic Analyzer Circuit Simulator Software Electronic work bench (10 user) Model No 9452B0 TMS320C6711 Based Development Kit
	Microwave & Fiber Optical Lab	250	Falcon Digital Communication Systems 1.DCL-01 Analog Signal Sampling and Reconstruction unit with power Supply 2.DCL-02 TDM Pulse Amplitude Modulation Demodulation Unit 3.DCL-03 Pulse Code Modulation Transmitter Unit 4.DCL-04 Pulse Code Demodulation Receiver unit 5.DCL-05 Data Conditioning and Carrier Modulation Transmitter Unit 6.DCL-06 Data Reconditioning and Carrier Demodulation Receiver Unit 7.DCL-07 Delta, Adaptive Delta and Sigma Delta Modulation & Demodulation Unit
	Microwave & Fiber Optical Lab	257	8.DCL-08 Pulse Amplitude Modulation/ Pulse Width Modulation/ Pulse Position Modulation Trainer Unit Fiber optic trainer kit Microwave setup (6 nos)

ME Applied Electronics	Electronics System Design Lab I & II	251	OrCAD EDA Suite C-Cross Compiler for 8051 (RIDE) MATLAB 6.1 (10 user) XILINX SPARTAN-3 FPGA Trainer XCR9128XL Cool Runner Development Kit Universal PIC Embedded Trainer Elevator Simulator Interface
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ME CIM & Thermal Engg.	CAD/CAM LAB	254.52	Model TR-5 (ROB 3) 5- axis Robot for educational use with Teach pendant STARTURN CNC lathe (Trainer Model) STARMILL CNC Bench milling machine with tutor software (Trainer Model) BOXFORD DUET CNC Machine with tutor software (Trainer Model) FULLAND-530 CNC production lathe with accessories LCD projector Pentium-200MHz with 32X Multimedia kit, 64MB RAM Pentium-4, 1.7GHz with 128 MB RAM Pentium-4, 2.4GHz with 128 MB RAM
	Special Machines Shop	302.5	'Master' shaper m/c with 12" stroke gear type 'Master' shaper M/C with 12" stroke gear type 'Master' planer m/c with 4.5 stroke 'Master' surface grinder with magnetic chuck 'Master' milling machine with 0.5" cutter Drilling machine 'MASTER' centerless grinding machine 'Suraj' universal milling machine geared 'Sree sakthi' power hacksaw size -7 Capstan lathe (TT 32G) 'Master' model gaurav gear Hobbing m/c 'Master' model radial drilling m/c 'Master' V belt driven heavy duty slotting m/c 'Master' lathe 'Atlas' flexible shaft grinding m/c Hydraulic press (150 tonnes) 'Master, tool & cutter grinder with magnetic chuck 'RIAT' cylindrical grinding machine
	Heat Transfer and Fuel Testing Lab	250	Thermal conductivity at metal rod Thermal conductivity apparatus Heat transfer through composite wall Heat transfer through lagged pipe Heat pipe demonstrator Heat transfer from a pin-fin Heat transfer in forced convection Heat transfer in natural convection Emissivity measurement apparatus Parallel flow / counter flow heat exchanger Stefan Boltzman Apparatus Bomb calorimeter apparatus Junker's calorimeter apparatus Cloud & pour point apparatus Orsat Apparatus Air conditioning Test Rig Refrigeration Test Rig Drop wise and film wise condensation test apparatus Air cooler test rig LPG Refrigeration Test Rig
	Metrology Lab	251.8	Angle plate (150*125*112) Combination set Profile projector Tool maker's microscope G.G. Autocollimator Accurate Pneumatic Comparator with Air Compressor "MITUTOYO" Surface Roughness Tester SJ-201

	Thermal Lab	256.69	Wind tunnel (300 mm*300mm* 1000mm) Single cylinder two stroke petrol engine Single cylinder four stroke petrol engine Single cylinder four stroke diesel engine (load test) Single cylinder Four stroke diesel engine [heat balance test] Multi cylinder Four stroke petrol engine Twin cylinder four stroke diesel engine with A C Generator Reciprocating air compressor Air blower Boiler test rig with turbine condenser & calorimeter Cooling tower test rig. Actual Cut Section of Four Stroke Diesel Engine Four Stroke Diesel Engine (Cut model)
	Fluid Mechanics & Fluid Machinery Lab	261.355	Submersible Pump apparatus Centrifugal pump Reciprocating pump Jet pump Gear pump Pelton Wheel Vane Pump Test Rig Kaplan Turbine Test Rig Francis Turbine Test Rig Multi Stage Centrifugal Pump test Rig Turgo impulse turbine
ME Control & Instrumentation	Control & Instrumentation Lab	250	Pentium IV, 2.8GHZ 128MB, RAM, 40GB HDD Pentium III, 933 MHZ, 40GB HDD, 128MB Ram Closed Loop Level & Temperature control Station MATLAB MATHCAD Hall Effect Transducer Smart Transducer Advanced PLC Trainer Demonstration Unit Bottle Filling Module Batch reactor process module SCADA Software Simplicity

List of Sponsored Projects and Programmes

Sponsored Programmes –AICTE (during last three years)

Sl. No.	Name of the Scheme(s)	Grant sanctioned (Amount & Date)	Grant Utilized	Whether utilization certificate submitted, if yes amount for which submitted	Major impact
1	Faculty Development Programme (Neuro-fuzzy based control design)	1,95,000 29/03/2005	1,95,000	Yes, Rs. 1,95,000	Faculty members are trained in the area of Neuro-fuzzy based control design
2	Faculty Development Programme (Soft computing technique in power converter design)	1,95,000 31/3/2006	1,95,000	Yes Rs. 1,95,000	Faculty members are trained in the area of design of power converters using soft computing techniques
3	Faculty Development Programme (Soft computing technique in controls design)	1,95,000 21/7/2007	1,95,000	Yes Rs. 1,95,000	Faculty members are trained in the area of design of various controls using soft computing techniques
4	Faculty Development Programme (Fuzzy logic and discrete mathematics)	2,00,000 01/02/2007	2,00,000	Yes Rs. 2,00,000	Faculty members are trained in the area of design of power converters using soft computing techniques

Sponsored Programmes - Anna University (during last three years)

Sl. No.	Name of the Program	Period	Grant sanctioned Amount
1	Hydraulic and pneumatic control	29.09.2004 to 04.12.2004	Rs. 25000/-
2	Power electronics	21.11.2006 to 03.12.2006	Rs. 25000/-
3	Applied hydraulic and pneumatics	15.06.2006 to 17.06.2006	Rs. 25000/-

Sponsored Projects

Sl. No.	Name of the Project	Sponsor	Grant sanctioned (Amount & Date)
1	Reconstruction of graphs and structures	DST	Rs. 108500/- 21.03.2007
2	Sun Hydrolic sub tracker	DSIR	Rs. 4, 40,000/- 27.02.2007
3	EDC Project	AICTE	Rs. 240000/-
4	RPS Project (Implementation star switching in DC to DC Converter	AICTE	Rs. 450000/-