

ANNA UNIVERSITY OF TECHNOLOGY CHENNAI

CHENNAI 600 113

**Vi Institute of
Technology**

96, Sirunkundram Village,
Thiruporur to Chengalpet Highway, Chengalpet Tk.,
Kancheepuram Dist -603 108

**Application for Affiliation
for the Academic year
2011-12**

PART – I
(Revised)

**Centre for Affiliation and Research
Anna University of Technology Chennai
Tharamani, Chennai 600 113**

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THARAMANI, CHENNAI 600 113**

Format of Application for Affiliation for the Academic Year 2011-12
(The last date for the receipt of the completed application is 21st January 2011)

1. College

- i. Name of the College : Vi Institute of Technology
- ii. Address of the site as approved by the AICTE : No.96, Sirunkundram Post,
Chengalpet Taluk.,
Kancheepuram Dist -603 108
Tamilnadu.
- a) Name of the Village : Sirunkundram
- b) Name of the Taluk : Chengalpet ,
- c) Name of the District : Kancheepuram
- d) Pincode : 603 108
- e) Nearest Landmark : Chengalpet
- iii. Is the college functioning at the above said-approved site? : YES
- iv. Telephone Numbers : 044-27401696
- v. Fax Numbers : 91-44-2496 1536
- vi. e-mail : admin@viit.edu.in
- vii. Website address : www.viit.edu.in
- viii. Year of establishment of the college : 2009 – 2010
- ix. Category of the College :
(please tick (✓) the appropriate box)

Non Minority	Minority						
	Linguistic			Religious			Others (specify)
	Malayalam	Telugu	Sourashtra	Christian	Muslim	Jain	
✓							

2. Trust / Society

- i. Name of the Trust / Society : Vi Micro Educational Trust
Plot No : 153, Kamar Street.,
- ii. Address of the registered office : Annai Indira Nagar,
Velachery, Chennai-42
- iii. Registration number : 2707 / 2007
- iv. Date of registration : 28-11-2007
- v. Name of the Chairman / Secretary/
Correspondent : V.Revathy
- vi. Telephone numbers - Office : 91-44-2243 1367
Residence : 91-44-2243 1367, 2243 6732
- vii. Fax numbers : 91-44-2496 1536
- viii. Mobile numbers : 94440 45621
- ix. e-mail : revathy@viit.edu.in

3. Principal

- i. Name : Dr.K.Dhinesh Kumar
- ii. Qualification : B.E, M.E, Ph.D
- iii. Date of Joining : 17.9.2010
- iv. Telephone numbers – Office : 9710445500
Residence : 9443526081
- v. Fax numbers : 91-44-27401695
91-44-2491536
- vi. Mobile numbers : 9443526081
- vii. e-mail : principal@viit.edu.in
G:4/3, Madras Avenue,
- viii. Residential address : IIT Madras,
Chennai – 600 036

4. Governing Council Composition

Sl. No.	Name	Position	Qualification	Present professional position/Occupation	Telephone numbers	E-mail	Address
1.	R.Vijayarajeswaran	Chairman	M.E., (Ph.D.)	Chairman, Vi Micro Educational Trust	94440 45621	vijay@viit.edu.in	Plot No. 75, Electronics Estate Perungudi, Chennai – 600 096
2.	V.Revathy	Secretary	B.Sc.,	Secretary, Vi Micro Educational Trust	98410 39878	secretary@viit.edu.in	Plot No. 75, Electronics Estate Perungudi, Chennai – 600 096
3.	Dr.V.. Ramachandran	Member	Ph.D.,	Professor , Anna University	9840995251	rama@annauniv.edu	Anna University, Department of CSE, Guindy, Chennai - 25
4.	Johnson .C	Member	B.A., ML.,	Advocate , Highcoat Madras	9381041513	johnsoncml@ yahoo.com	429, Additional law chanber, Highcoat building, Chennai – 600 104
5.	S.Sivanandam	Member	M.E.,	Vice-Persident, AdventNet	98407 01418	sivanandham@zoho.corp.com	Sree Narayana Complex Sarathy Nagar., Vijaya Nagar, Velachery, Chennai - 42
6.	R. Chandrakumar	Member	M.E	GM, Bharat Electronics Ltd.,	94440 42619	chandrakumarr@bel.co.in	Bel, Kotdwara, Uttarakhand, Uttaranchal.
7.	Dr.T.Alwarsamy	DOTE nominee	M.E, Ph.D	Directorate of Technical Education, Chennai25			Liaison Officer, DOTE.
8.	Dr.K.Dhinesh Kumar	Member	M.E.,Ph.D.,	Principal, Vi Institute of Technology	9941988848	principal@viit.edu.in	G:4/3, Madras Avenue, IIT Madras, Chennai – 600 036

5. Planning and Monitoring Board Composition

Sl. No.	Name	Position (Chairman/ Member)	Category	Qualification	Present professional position/Occupation	Telephone numbers	e-mail	Address
1	Dr.K.Dhinesh Kumar	Chairman	Principal of the College	B.E., M.E.,Ph.D.	Principal	9710445500	principal@viit.edu.in	G:4/3, Madras Avenue, IIT Madras, Chennai – 600 036
2	Mr..Radhakrishnan	Member	Senior faculty member of the college	B.E, M.E	HOD/MECH	9444423113	radhakrish_e@ yahoo .com	Chittathur village, Vedanthangal post, Maduranthagam Taluk,Kancheepuram dist – 603 314
3	Mr.K.Appuswamy	Member	Senior faculty member of the college	B.E., M.Tech	HOD/ECE	9840703334	appuswamy@gmail.com	Plot No.84, II Main Road, Thirumalai Nagar,Perungudi, Chennai - 96
4	Dr. Arokiaraj	Member	Senior faculty member from University/other college	M.E., Ph.D.	Principal, Rajiv Gandhi Engineering, College Chennai.	98848 18049	arokyraju@ yahoo.co.in	No:15-F3, Ruby enclave, Melandai 2 nd Cross Street, West Tambaram, Chennai – 45.
5	Mr. Sundara Varadhan	Member	Industrial expert in the field of engineering and technology	M.E.,	Managing Director, Prudent Communication Sys Pvt. Ltd.,	080-22389593	prudent1@vsnl.com	18, Railway Parallel Road, Kumara Park East, Bangalore,
6	Mr. Pandian	Member	Industrial expert in the field of engineering and technology	B.E.,	Managing Director	044-42154750 / 60 9840754020	pandian@ powercap.co.in	Power Cap Systems Pvt. Ltd., Plot No : 245-246 B, Burma Colony, Perungudi, Chennai - 600 096
7	Mr. Thambi Kalaingan	Member	Architect/Civil Engineer	B.E.,	Architect / Builder	9840093553	thambi@ gmail.com	India Builder Anna nagar, Ch - 40

6. i. Discipline and Welfare Committee Composition

Sl. No.	Name	Position	Category	Telephone Numbers	e-mail	Address
1	Mr.Arumugakani.G	Chairman	Senior Head of the Department	9487787857	arumugamche@gmail.com	2/172MGR STREET BHARATHI NAGAR METTUTHANDALAM THIRUPPORUR KANCHEEPURAM (DIST)
2	Mr.Johnson Udhayakumar.R	Member	Head of the Department	044-26602676	johnson0032002@yahoo.co.in	09/03, Veerasamy Ist Street, Ayanavaram, Chennai-600 023
3	Mr.Prakash Jeya Singh.J	Member	Head of the Department	9500731387	prkshjs@gmail.com	15/65 C , Palace Road, Thuckalay Kanayakumari Dist - 629175
4	Mr.Balagangathara Thilagar.R	Member	Head of the Department	9790989185	bthilagar@gmail.com	c2/17 sravana flats;13 th cross;new colony;chrompet;Chennai-
5	Mr.Ponnusamy.R	Member	Warden / Deputy Warden of Boys' Hostel	9094776663	ponnuxarmy@gmail.com	No. 2/239, Naveen Illam, South Vinayagar Kovil Street, Perumbathur village & post, Sankaran Kovil T.k., Thirunelveli Dist pin- 627769
6	Ms.Ancy Shoba Rani	Member	Warden / Deputy Warden of Girls' Hostel	9659828898	ashmishobarani@gmail.com	Kollakudi vilai,kappiyarai(P.O), Kanniyakumari Dist,Pin-629 156.
7	Ms. Arathi M.S	Member	Lady faculty member	9600196049	arathishekar1990@yahoo.com	Plot no 40, A.G's Colony main Nemilicherry, Chromepet, Chennai -600 044.
8	Mr.V.Selvam	Convener	Student Counselor (Staff)	9994138413	adithiselmaths@gmail.com	No.9/33 Alvar koil street, Kariyamonikka puram, Edalakudi, kottat post, Nagarkoil-629 002

**ii. Complaints cum Redressal Committee
Composition**

Sl. No.	Name	Category	Profession	Telephone numbers	E-mail	Address
1	Ms. G.Gomathi	Staff Member	Teaching	9790346766	gomathit86@yahoo.co.in	No.16/9, Devadoss Street, Vedhachala Nagar, Chengalpattu – 603 001
2	Mr.J.Prakash Jayasingh	Staff Member	Teaching	9500731387	prkshjs@gmail.com	15/65 C, Palace Road, Thukalay, Kaniyakumari Dist- 629175
3	Mrs. A. Sathya Bama	Social Activist	Advocate	9884109089	asathyaad@gmail.com	Plot No : 18, Old No : 16A,2 nd Avenue, Thiruvalluvar Nagar, Thiruvanmiyur, Chennai - 41

Norms for composition:

- *Should be headed by a senior lady member*
- *50% of the membership of the committee should be represented by ladies*
- *A third party either an NGO or an outside activist who is familiar with the issue of sexual harassment in work place*

7. Financial Stability of the Trust / Society

i. Savings Bank / Current Accounts

Sl. No.	Savings Bank / Current account	Bank Name	Branch	Account number	Balance amount at the end of last financial year (Rs.)	Balance amount as on date (Rs.)
1.	CURRENT ACCOUNT	Indian Bank	Anna Salai, Chennai - 600 002	756087415	Rs. 52,33,134/-	Rs. 40,88,824/-

ii. Long term deposits

Sl. No.	Bank / Govt./ Govt. approved institution	Branch	Amount (Rs.)	Date of maturity

iii. Value of Land and building

Sl. No.	Survey number	Location	Extent (sq.m)	Built up area (sq.m.)	Guideline value (Rs.)	Market value (Rs.)
1.	474 / 1I	Sirunkundram	14978			
2.	477 / 3B	Sirunkundram	27366		Rs. 73,22,000.00	Rs.3,66,10,000.00
		Total	42344	11,420		Rs.12,90,23,160.00
					Total	Rs.16,56,33,160.00

iv. **Endowment** (if any)

SI. No.	Created with	Amount (Rs.)	Deposited in the bank (name)	Branch	Instrument No. and date	Date of expiry
	AICTE	35,00,000	Indian Bank,	Anna Salai, Ch – 2	0719293, 25-03-09	25-03-2017

Financial Stability

Total financial reserves : Funds Available with the Manufacturing industry will be utilized.

Annual maintenance and development expenditure : Rs.2,00,00,000

8. Details of the land earmarked for the college

Norms:

Mega cities (Delhi, Kolkatta, Chennai and Mumbai) : 3 acres (1 acre)*

Metro cities including state capitals : 5 acres (2 acres)

Others : 10 acres (2.5 acres)

* Figures within the brackets indicate the norms for colleges offering only Architecture & Planning programme(s).

SI. No.	Location of the college (Mega city/Metro city/ others)	Extent of land earmarked for the college (acre)	Document number	Date of registration	Survey number	Extent of land required (refer norms)	Deficiency %
1	Others	3.70	11386 / 07	24-12-07	474/1I	10	Nil
		6.76					
		10.46					

9. Details on Accreditation status awarded by National Board of Accreditation and Inclusion under Section 2(f) and 12(B) of the UGC Act, 1956 (Proof to be enclosed)

Sl. No.	Programme	Accreditation Status			Inclusion under sections 2(f) and 12(B) of the UGC Act, 1956			
		Accredited / Not Accredited	Period of accreditation, if accredited	Letter No. and date	Section 2(f)		Section 12(B)	
					Included / Not Included	Letter No. and date, if included	Included / Not Included	Letter No. and date, if included
1	B.E	Not Accredited	NA					

10. Existing affiliated programmes

A. Details of the existing programmes

Sl. No.	Department	Degree	Programme	Year of introduction	Nature of affiliation (Permanent/ Provisional)	Sanctioned intake for the preceding four academic years of the programme				Students admitted including lateral entry and transfer as on roll			
						2007-08	2008-09	2009-10	2010-11	Fourth year	Third year	Second year	First year
1	Mechanical Engineering	B.E.	Mechanical Engineering	2009-10	Provisional	N.A	N.A.	N.A.	60	N.A	62	66	-
2	Electrical and Electronics Engg	B.E.	Electrical and Electronics Engineering	2009-10	Provisional	N.A	N.A.	N.A.	60	N.A	29	63	-
3	Electronics and Communication Engineering	B.E.	Electronics and Communication Engg	2009-10	Provisional	N.A	N.A.	N.A.	60	N.A	29	57	-
4	Computer Science Engg	B.E.	Computer Science Engg	2009-10	Provisional	N.A	N.A.	N.A.	60	N.A	08	50	-

B. Programmes for which continuation of provisional affiliation is sought for the academic year 2011-12.

Sl. No.	Degree	Programme	Whether affiliation is sought for the academic year 2011-12?					
			If Yes				If No, answer one of the following	
			Sanctioned intake in the academic year 2010-11	Additional intake sought for the academic year 2011-12	Total intake sought for the academic year 2011-12	AICTE approved intake for the academic year 2011-12 (if available)	Do you want to suspend the programme? If yes, for how many years?	Do you want to phase out the programme?
1	B.E.	Mechanical Engineering	60	N.A.	60	60	N.A.	N.A.
2	B.E.	Electrical and Electronics Engineering	60	N.A.	60	60	N.A.	N.A.
3	B.E.	Electronics and Communication Engg	60	N.A.	60	60	N.A.	N.A.
4	B.E.	Computer Science Engg	60	N.A.	60	60	N.A.	N.A.

Note:

- For architecture programmes, approval from the Council of Architecture (COA) should be obtained for the academic year concerned in addition to AICTE approval.
- For B.E. – Marine Engineering, approval from the Directorate General of Shipping (DGS) should be obtained for the academic year concerned in addition to AICTE approval.

11. Additional programme(s) for which provisional affiliation is sought for the academic year 2011-12.

Sl. No.	Degree	Programme	Intake sought	AICTE approved intake, if available (Proof to be enclosed)
N / A				

Note:

- *The request for affiliation will not be considered for 2011-12, which are not mentioned here.*
- *In case the approved curriculum and syllabi of the proposed programme(s) are not available at the time of application, those programme(s) will not be considered for affiliation.*
- *In respect of M.Sc. programmes, only continuation of provisional affiliation will be considered for the existing programmes and the request for affiliation of new programmes will not be considered.*
- *Inspection for variation in intake / additional programmes will be considered irrespective of the receipt of the AICTE approval. Inspection fee should be paid for the programmes to be inspected. Inspection fee paid once will not be refunded if inspection is carried out.*

12. Details of students presently studying in all the years

B - Boys, G – Girls, T – Total

Sl. No.	Programme	Total Students			Number of students - religion wise								Number of students – community wise																No. of Students - Nationality						
													Hindus								Muslims				Christians				Indian	N R I	Foreign				
		Hindus		Muslims		Christians		Others		SC		ST		MBC		BC		OC		DNC		OC		OBC		O C		B C							
		B	G	T	B	G	B	G	B	G	B	G	B	G	B	G	B	G	B	G	B	G	B	G	B	G	B	G				B	G		
1	B.E	324	40	364	275	36	20	0	29	4	0	0	49	9	0	0	97	10	114	14	13	2	2	1	5	0	15	0	6	1	23	3	364	N i l	N i l

12 A. Details of students admitted under minority quota (applicable for Minority Status College)

Sl. No.	Programme	Total Students		
		B	G	T
Nil				

13. Faculty- qualification and experience

i. Principal

A. Qualification

Principal name with stamp size photo	Date of birth and age	Qualification with class obtained starting from the highest degree	Corresponding specialization	Date of joining	Scale of pay	Present basic pay	Total emoluments	Signature
Dr.K Dhinesh Kumar	21.07.1969 & 41	Ph.D.	Mechatronics / Computer Integrated Manufacturing	17-09-2010	33,310	49,400	1,00,000	
		M.E - 66%	Production Eng.					
		B.E – 69%/ I	Mechanical Engineering					

B. Experience

Position and years of experience					
Teaching			Industry		
Institution	Position	Years	Institution	Position	Years
RIMS College, London	Director	10 Months	K.K.Engg. Fabrication & Services	Design Engineer	1 Yr 1 Month
C.S.I Institute of Technology, Thovalai	Principal, Professor, Asst Prof, Lecturer	13Yrs 10 Month	Essee Rotoliner Machine Tools	Design Engineer	5 Months
N.I. College of Engg. Thuckaly	Lecturer	2 Yrs 2 Month	Maras Ruber Factory Ltd. Madras	Plant Engineer	7 Months
			Nesamony Transport Corpn. Ltd, Nagercoil	Technical Trainee	Trainee

Note:

- Principal may be shown as a Professor in the engineering/technology Department concerned.

ii. Details of faculty of Engineering & Technology Departments offering the programme(s)

(A) Department

A. Name of the HOD: J.Prakash Jeya Singh

B. Name of the B.E. / B.Tech. programme: CSE

a. Qualification

Sl. No.	Name of the faculty member with stamp-size photo	Regular/Visiting	Designation	Qualification with class obtained starting from the highest degree	Corresponding specialization	Date of birth and age	Date of joining the present post	Scale of pay	Present basic pay	Total emoluments	Signature of the faculty member
1	Dr.N.Ramakrishnan	Regular	Professor	Ph.D	CSE	01-11-1950 & 60	21.06.10	16,400-450-20,900-500-22,400	16,400	40,000	
				MBA	CSE						
				B.Tech.	CSE						
2	J.Prakash Jeya Singh	Regular	Assistant Professor	M.E, I	CSE	26/07/1982 & 29	12/07/10	15,600-39100	15,600	29,000	
				M.Sc, I	CS						
				B.Sc, I	CS						
				B.E,I	CSE						
3	A.Priyadarshini	Regular	Assistant Professor	B.E, I	CSE	15/3/1987 & 23	19/07/10	8000 - 275 - 13,500	8,000	12,000	
4	Meera.S	Regular	Asst.Professor	M.E	CSE	24.3.1977 & 34	04.01.11	15,600-39100	15,600	18000	
				B.E	CSE						
5	J.Ranganayagi	Regular	Asst.Professor	M.E	CSE	20.05.1986	1.07.2011	15,600-39100	15,600	18000	
				B.Tech	CSE						
6	T.Sharanya	Regular	Asst.Professor	M.E	CSE	30.11.4987	11.07.11	15,600-39100	15600	18000	
				B.E	CSE						
7	V.Premkumar	Regular	Asst.Professor	M.E	CSE	01.06.1985	11.07.11	15,600-39100	15600	18000	
				B.E	CSE						

8	S.Loraine Janeeta	Regular	Asst.Professor	B.E	CSE	26.12.1988	27.06.11	8000 - 275 - 13,500	8,000	10,000	
9	R.Sathesh Abraham	Regular	Asst.Professor	B.E, M.E (doing)	CSE	01.05.1987	04.07.11	15,600-39100	15600	18000	
10	S.Abbrar	Regular	Asst.Professor	B.E, M.E	CSE		08.08.11	15,600-39100	15600	18000	

b. Experience

Sl. No.	Name of the faculty member	Previous experience					
		Teaching			Industry		
		Institution	Position	Years	Organisation	Position	Years
1	Dr.N.Ramakrishnan	Nil	Nil	Nil	CollabNet Software P.Lvd	Vice President	2 Yrs
					Indchem Software Technologies Limited	Vice President	1 Yr
					Sundaram Telematics Ltd.,	CEO	3 Yrs
					ICI India Ltd, Madras	Senior Information Tech Manager	1 Yr
					ICI India Ltd, Madras	Regional Manager	3 Yrs
					Shaw Wallace Company Ltd.,	Consultant	7 Yrs
					Shaw Wallace Company Ltd.,	Associate Consultant (Marketing)	5Yrs
					Shaw Wallace Company Ltd.,	Associate Consultant (Systems)	2 Yrs
	Vi Institute of Technology	Professor	8Months	Shaw Wallace Company Ltd.,	Management Trainee	2 Yrs	
2	J.Prakash Jeya Singh	Vi Institute of Technology	Asst. Professor	6 months	Nil	Nil	Nil
		St Joseph College of Engg and Tech	Assistant Professor	8 months			
		Oxford Engg College	Lecturer	1 year 3 months			
3	A.Priyadharshini	The New Royal College of Engineering and Technology	Lecturer	1 Year	Nil	Nil	Nil
4	Meera.S	R.V.S Polytechnic	Lecturer	7 years	Nil	Nil	Nil
		N.T.R Poly technic	Lecturer	4 Months			
		P.S.P Polytechnic	Lecturer	7 year			
5	Ranganayaki.G	Sri.Ramanujar Engineering college	Lecturer	8 month	Nil	Nil	Nil

(B) Department : Electronics and Communication Engineering

C. Name of the HOD: M.Palanisamy

D. Name of the B.E. / B.Tech. programme: Electronics and Communication Engineering

B. Details of faculty available for the B.E. / B.Tech. programme in the Department

Sl. No.	Name of the faculty member with stamp-size photo	Regular/ Visiting	Designation	Qualification with class obtained starting from the highest degree	Corresponding specialization	Date of birth and age	Date of joining the present post	Scale of pay	Present basic pay	Total emoluments	Signature of the faculty member
1	K.Appuswamy	Regular	Professor	M.E	Electronics and Communication	17-02-1948 & 62	23.06.10	37,400-67,000	37,400	42,000	
				B.E(HONS)	Electronics and Communication						
2	M.Palanisamy	Regular	Assistant Professor	M.Tech	CSE	17.04.1968 & 44	08.08.11	15,600-39,100	15,600	39,000	
				B.E	ECE						
3	S.J.Sugumar	Regular	Assistant Professor	M.E	Applied Electronics	18.08.1974 & 36	06.08.11	37,400-67,000	43,400	65,000	
				B.E	ECE						
4	T.Arunranjit	Regular	Assistant Professor	M.E,I	Applied Electronics	23.12.1986 & 24	02.06.2010	8,000-275-13,500	8,000	19000	
				B,E,I	ECE						
5	T.Jaibalaganesh	Regular	Assistant Professor	M.E,I	Applied Electronics	02.07.1987 & 23	04.06.2010	8,000-275-13,500	8,000	19000	
				B,E,I	ECE						
6	T.Krishnamoorthy	Regular	Assistant Professor	M.Phil, II	PHYSICS	17.06.1978 & 32	27.05.2009	8,000-275-13,500	8,000	20,000	
				M.Tech, I	Applied Electronics						
				B.Sc, II	Physics						
7	R.Mary Shyla	Regular	Assistant Professor	M.E	Applied Electronics	14.01.78	1.07.11	15,600-39,100	15,600	18,000	
				B.E	ECE						
8	K.Jenefa	Regular	Asst Professor	M.E	Computer & Communication	27.07.1987	12.08.2011	15,600-39,100	15,600	18,000	

				B.E	ECE						
9	S.Prabhu	Regular	Asst.Professor	M.E	Applied Electronics	06.06.1985	15.07.11	15,600-39,100	15,600	20,000	
				B.E	ECE						
10	S.V.Lavanya	Regular	Asst.Professor	M.E	Applied Electronics	08.08.1985	08.7.11	15,600-39,100	15,600	20,000	
				B.E	ECE						

C.Experience

Sl. No.	Name of the faculty member	Previous experience					
		Teaching			Industry		
		Institution	Position	Years	Organisation	Position	Years
1	K.Appuswamy	Nil	Nil	Nil	Hindustan Aeronautical Ltd., Bangalore (1973 – 1984)	Aeronautical Engineer, Design Engineer	
					Electronics Corporation of Tamilnadu (ELCOT) (1984 – 2006)	R & D Manager, General Manager	
					HCL Infosystems Ltd.,	Principal Consultant	4 Yrs
2	M.Palanisamy	AMA College of Eng. SriPadmavathi Engg. Annai Velankani Eng SriNanthanamCollege Bharathidasan Eng C SriSastha Institute Rajev Gandhi College	Lecturer Sr.Lect Sr.Lect Sr.Lect Select.Gr.L Asst Prof Asst Prof	8 Years 1 Year 7 Month 2 Years 10 month 1 Year 1 Yr, 5 Mon 9 Months 4 years	Orbit Control & Services	Design Engineer	5 Years
3	Jai bala Ganesh	Vi Institute of Technology	Asst.Professor	1 year	Nil	Nil	Nil
4	Arun Ranjit	Vi Institute of Technology	Asst.Professor	1 year	Nil	Nil	Nil
5	T.KrishnaMoorthy	PMP arts & science college, Dharmapuri	Lecturer	2 years	Nil	Nil	Nil
		Vel SRS high tech engg college,Avadi	Lecturer	2 years			
		Balaji Institute of Technology,chennai	Lecturer	1 year			
		Vi Institute of Technology	Assistant Professor	1 year 6 Months			
6	S.Prabhu	J.A.I.E.T	Lecturer	1 year	Sri maha Associates Pvt.Ltd	CAD Designer	10 months
		Lasar College of Engineering	Lecturer	1 year			
7	S.V.Lavanya	Thangavelu Engineering College	Lecturer	1 year			

(C) Department: ELECTRICAL AND ELECTRONICS ENGINEERING

E. Name of the HOD: M.Sakthivel

F. Name of the B.E. / B.Tech. programme: Electrical and Electronics Engineering

C. Details of faculty available for the B.E. / B.Tech. programme in the Department

a. Qualifications

Sl. No	Name of the faculty member with stamp-size photo	Regular/ Visiting	Designation	Qualification with class obtained starting from the highest degree	Corresponding specialization	Date of birth and age	Date of joining the present post	Scale of pay	Present basic pay	Total emoluments	Signature of the faculty member
1	Sakthivel.M	Regular	Asst.Professor	M.E	Power Systems	08.05.1964	13.07.11	15,600-39,100	15,600	29,000	
				B.E	EEE						
2	Abilash.R.S	Regular	Asst.Professor	M.E,I	Power Electronics and drives	25.10.1986&24	1.06.2010	15,600-39,100	15,600	19,000	
				B.E,I	EEE						
3	Chodapaneedi Venkatesh	Regular	Assistant Professor	M.Tech,I	Electrical Drives and Control	15-08-1985&25	23.6.10	8,000-275-13,500	8,000	19,000	
				M.E,I	Power Electronics and drives						
4	Blessing Paul Benet.A	Regular	Assistant Professor	M.E	EEE	14.06.85&25	01.12.2010	15,600-39,100	15,600	19,000	
				B.E	EEE						
5	K.Ragul Kumar	Regular	Assistant professor	M.E	Power Electronics and Drives	28.05.1988 & 24	04.07.2011	15,600-39,100	15,600	18,000	
				B.E	EEE						
6	M.Gayathri	Regular	Assistant Professor	M.E	EEE	03.4.1977 & 33	29.6.11	15,600-39,100	15,600	25,000	
				B.E	EEE						
7	Ajish Krishnan	Regular	Asst. Professor	B.E	EEE			15,600-39,100	15,600	18,000	
				M.E	Power System						

D. Experience

Sl. No.	Name of the faculty member	Previous experience					
		Teaching			Industry		
		Institution	Position	Years	Organisation	Position	Years
1	M.Sakthivel	Indira Gandhi college of Engineering & tech for women	Assistant Professor	1 years			
		V.Ramakrishna Polytechnic college	Lecturer	14 years			
		CPCL IT I	Lecturer	7 years 5 months			
		SAM IT I	Lecturer	1 year 5 months			
2	R.S.Abilash	Vi Institute of Technology	Asst.Professor	7 Months	Nil	Nil	Nil
3	Blessing Paul Benet.A	Vi Institute of technology	Asst.Professor	7 months	V.V Minerals	Maintance Enggineer	2 years
4	M.Gayathri	Meenakshi Ammal Polytechnic college	Lecturer	10 months			
		Elumalai Polytechnic college	Lecturer	3 years 7 months			
		Govt.Polytechnic for woman	Lecturer	1 year 5 months			

(D) Department: MECHANICAL ENGINEERING**A. Name of the HOD: E. Radhakrishnan**

(Provide the details in the format given below at the appropriate place along with other faculty members)

B. Name of the B.E. / B.Tech. programme: Mechanical**C. Details of faculty available for the B.E. / B.Tech. programme in the Department****a. Qualifications**

Sl. No.	Name of the faculty member with stamp-size photo	Regular/Visiting	Designation	Qualification with class obtained starting from the highest degree	Corresponding specialization	Date of birth and age	Date of joining the present post	Scale of pay	Present basic pay	Total emoluments	Signature of the faculty member
1	E. Radhakrishnan	Regular	Professor	M.E, I	Manufacturing	20.05.1969 & 41	09.12.10	37,400-67,000	37,400	65,000	
				B.E, I	Mechanical						
2	S.Jesudass Thomas	Regular	Assistant Professor	M.E	Manufacturing	10.07.1972	01.04.2011	15,600-39,100	15,600	40000	
				B.E	Mechanical						
3	P. Selvakumar	Regular	Assistant Professor	M.E, I	Mechanical	30.6.72 & 38	12.08.10	12,000-420-18,300	12,000	35,000	
				B.E, I	Mechanical						
4	G.Rajesh	Regular	Assistant Professor	M.E	CAD.CAM	11.05.1975 & 36	02.05.11	15,600-39,100	21,600	34,000	
				B.E	Mech						
5	M.Subramaniam	Regular	Assistant Professor	M.E	CAD/CAM	02.05.1967	17.06.2011	15,600-39,100	23,600	35,000	
				B.E	Mech						
6	J.Karthick	Regular	Assistant Professor	M.E	Computer Aided Design	02.06.1986	20.06.11	15,600-39,100	15,600	18,000	
				B.E	Mech						
7	Mr.N.Anbalagan	Regular	Assistant Professor	B.E, M.E	Mech.	20.05.1885	02.05.2011	15,600-39,100	15,600	18,000	
8	T.Muralitharan	Regular	Assistant Professor	B.E, M.E	Mech.	07.05.1983		15,600-39,100	15,600	18,000	
9	Dr.K.Dhinesh Kumar	Regular	Principal	M.E, Ph.D	Manufacturing	21-07-1969	17.09.2010	33,310	49,400	1,00,000	
				B.E	Mechanical						

Experience

SL NO	Name of the faculty member	Previous experience					
		Teaching			Industry		
		Institution	Position	Years	Organisation	Position	Years
1	E.Radhakrishnan	Meenakshi Ammal Polytechnic College	Lecturer	6 years 4 months	Nil	Nil	Nil
		P.S.P Poly Technic College	Lecturer	3 years 6 months			
		Meenakshi Krishnan Polytechnic college	Lecturer	5 years			
		P.S.P Poly Technic college	Professor	4 years 6 months			
		P.S.P Poly Technic College	Principal	4 years 7 months			
2	Mr.Jesudas Thomas	Sri Durgadevi Polytechnic college	Assistant Professor	4 years 11 months			
		Meenakshi Krishnan poly technic college	Assistant Professor	1 Year 6 months			
		Meenakshi Krishnan Polytechnic college	Lecturer	6 years 11 months			
3	P. Selvakumar	Vi Institute of Technoloy	Asst.Professor	1 Year	Spacelabs Healthcare Solutions – Hyderabad	Mechanical Engineer	1 Yrs
					National Institute of Ocean Technology	Scientist	9 years & 2 months
4	M.Subramaniam	Balaji Institute of Engg&Tec	Asst.Professor	2 Years, 2 M	Ranu Engineering GTH Engg. Constructi L& T Madras	Sr.Engineer Sr.Engineer Planning Engineer	2 Yrs, 3 Mon 2 Yrs 3 Yrs
5	G.Rajesh				Krishnamoorthy Foundation	Executive	2 Years
					IEC Pvt.Ltd	CAD/CAM Engineer	2 Yrs 8 M
					CAD/CAM technique	CAD/CAM Engineer	4 Yrs 5 M
					SRP Tools	Prodn Engineer	6 Months

D. Name of the M.E. / M.Tech. programme: ----- **Not Applicable** -----

E. Details of the faculty exclusively available for each M.E. / M. Tech. programme

a. Qualification

Sl. No.	Name of the faculty member with stamp-size photo	Regular/Visiting	Designation	Qualification with class obtained starting from the highest degree	Corresponding specialization	Date of birth and age	Date of joining the present post	Scale of pay	Present basic pay	Total emoluments	Signature of the faculty member
	NA										

b. Experience

Sl. No.	Name of the faculty member	Position and years of experience					
		Teaching			Industry		
		Institution	Position	Years	Organisation	Position	Years
	NA						

iii. Science & Humanities and General Engineering faculty (For supporting engineering and technology programmes)

A. Name of the HOD of each discipline

Physics: Dr.B.Ramasekaran

Mathematics: V. Selvam

Chemistry: G.Arumugakani

English: K.Kamalaveni

(Provide the details in the format given below at the appropriate place along with other faculty members)

B. Details of the faculty including General Engineering faculty

a. Qualification

Sl. No.	Name of the faculty member with stamp-size photo	Regular/Visiting	Designation	Qualification with class obtained starting from the highest degree	Corresponding specialization	Date of birth and age	Date of joining the present post	Scale of pay	Present basic pay	Total emoluments	Signature of the faculty member
1	Dr.B.Ramasekaran	Regular	Professor	Ph.D, M.Phil, M.Sc.	Physics	06- 04- 1945 &66	11.07.2011	15,600- 39,000	23,600	35,000	
2	V. Selvam	Regular	Assistant Professor	M.Sc	Mathemaics	10.05.1976& 34	18.06.2010	12,000- 420- 18,300	12,000	35,000	
				MCA	Computer Application						
				B.Sc	Mathematics						
3	R. Delhi Babu	Regular	Assistant Professor	M. Phil, II	Mathematics	11.12.1982 & 28	04.06.2010	15,600- 39,100	15,600	28,000	
				M. Sc, I	Mathematics						
				B. Sc, I	Mathematics						
4	J. Charles Prem Anand	Regular	Assistant Professor	M. Phil, II	Mathematics	24.05.1982& 28	04.06.2010	15,600- 39,100	15,600	28,000	
				M. Sc, I	Mathematics						
				B.Sc, I	Mathematics						

5	G.Gomathi	Regular	Assistant Professor	M.Phil I	Mathematics	10.06.86 & 24	03.09.10	8,000-275-13,500	8,000	12,000	
				M. Sc, I	Mathematics						
				B. Sc, I	Mathematics						
6	S.Sowmiya	Regular	Assistant Professor	M.Phil, I	Physics	17-07-1986 & 24	03 -08-2009	8,000-275-13,500	8,000	12,000	
				M.Sc, I	Material Science						
				B.Sc, I	Physics						
7	H.Aswathaman	Regular	Assistant Professor	M.Phil, I	Physics	20/12/76& 34	16/07/10	15,600-39,100	15,600	23,000	
				M.Sc, I	Physics						
				B.Sc, I	Physics						
8	G.Arumugakani	Regular	Professor	M.Phil, I	Chemistry	16.10.1950 & 60	07.07.2010	15,600-39,100	15,600	28,000	
				M.Sc, I	Chemistry						
				B.Sc, I	Chemistry						
9	K.Vinodhini	Regular	Asst. Professor	M.Phill	Chemistry	11.11.1984 & 27	01.07.11	15,600-39,100	14,000	14,000	
				M.Sc	Chemistry						
10	N. Mahalakshmi	Regular	Assistant Professor	M.Phil, I	Chemistry	04.05.1975& 35	04.06.2010			28,000	
				M.Sc, I	Chemistry						
				B.Sc, II	Chemistry						
11	M.S. Arathi	Regular	Assistant	M.A, II		01-01-	03.08.2009	8,000-	8,000	19,000	

			Professor	B.Com., II	English	1964&46		275-13,500			
12	Berin Greeni.A	Regular	Assistant Professor	M.Phil	Maths	06.02.1985 & 25	18.01.2011	8000-275-13500	8000	8000	
				M.Sc	Maths						
				B.Sc	Maths						
13	Ganeshmurthi.D.R	Regular	Assistant Professor	M.Phil	English	27.07.1973 & 35	06.01.10	8000-275-13500	8000	20000	
				M.A	English						
14	K.Kamalaveni	Regular	Assistant Professor	M.Phil, M.A B.A	English	22-05-1961&49	31.01.2011	15,600-39,100	15,600	25,000	
15	H.Mahendran	Regular	Assistant Professor	M.Phil,	Chemistry	20-03-1971 & 40	13.07.2011	15,600-39,100	15,600	18,000	
				M.Sc	Chemistry						
				B.Sc	Chemistry						

b. Experience

Sl. No.	Name of the faculty member	Position and years of experience					
		Teaching			Industry		
		Institution	Position	Years	Organisation	Position	Years
1	Dr.B.Ramasekaran	Adithanar College Kings Engg. College	Lect, Reader, Professor	34 Years 2 Years,9 M	Nil	Nil	
2	V. Selvam	Cape Polytechnique		1.5 years	Nil	Nil	Nil
		Vi Institute of Technology	Asst.Professor	8 Months			
3	R. Delhi Babu	AdhiParasakthi Engg College	Lecturer	10 Months	Nil	Nil	Nil
		Asan Memorial College of Engg & Tech.	Lecturer	3 Years			

		Karpaga Vinayaga College of Engg & Tech.	Lecturer	1 Year 2 Months			
		Pattammal Alagesan College of Arts & Science	Lecturer	1 Year			
		Vi Institute of Technology	Asst.Professor	7 Months			
4	J. Charles Prem Anand	Asan Memorial College of Engg & Tech.,	Lecturer	3 Yrs 11 Months	Nil	Nil	Nil
		Rajiv Gandhi Engg College.	Lecturer	3 Months			
		Lord Venkateshwara Engg College	Lecturer	1 Yr 9 Months			
		Vi Institute of Technology	Asst.Professor	7 Months			
5	G.Gomathi	APTC Melmaruvathur	Lecturer	1 Year	Nil	Nil	Nil
		BA Engg college maraimalai nagar	Lecturer	1 Month			
6	S.Sowmiya	Vi Institute of Technology	Asst.Professor	1.4 years	Nil	Nil	Nil
7	H.Aswhathan	Sri Nandhanam CET-Tirupattur	Lecturer	1 year	Nil	Nil	Nil
		Alagappa University	Guest Lecturer	1 year			
		CAHCET-Melvisharam	Lecturer	2.5 years			
		Podhigai CET Tirupattur	Lecturer	1 year			
8	G.Arumugakani	TDMNS.College, T.Kallikulam	Lecturer	10 years	Nil	Nil	Nil
		Aditanar College, Tiruchendur	Lecturer	26 years			
9	Dr. Thangaraja.A	Kamaraj College of Engg&Tech.	Assistant Professor	8 years	Nil	Nil	Nil

		Ayya Nadar Janaki Ammal College, Sivakasi	SRF	5 years			
10	N. Mahalakshmi	Peegee Arts & Science College	Lecturer	2.6 years	Nil	Nil	Nil
		Bala Murugan Arts & Science College	Lecturer	1.3 years			
		Asan Memorial College of Engg .	Lecturer	1.1 years			
11	K.Suja	Vi Institute of Technology	Asst.Professor	1.5 years	Nil	Nil	Nil
12	Ganeshmurthi.D.R	Maharishi Internaitonal Residential School	Teaacher	1 years	Nil	Nil	Nil
		Sri Nehru Maha Vidyalaya college of Arts & Science , Kovai	Lecturer	3 years			
		Govt.arts college, Ooty, Nilgiris	Lecturer	5 years			
13	Berin Greeni.A	Vins Christian college of Engineering	Lecturer	9 months	Nil	Nil	Nil
14	M.S Arathi	Vi Institute of Technology	Asst.Professor	1.4 years	Nil	Nil	Nil

iv. **Science faculty for M. Sc. programmes** (provide programme-wise details)

Name of the Department: ----- **Not Applicable** -----

A. **Name of the HOD:**

(Provide the details in the format given below at the appropriate place along with other faculty members)

B. **Name of the programme:**

C. **Details of the faculty**

a. **Qualification**

Sl. No.	Name of the faculty member with stamp-size photo	Regular/ Visiting	Designation	Qualification with class obtained starting from the highest degree	Corresponding specialization	Date of birth and age	Date of joining the present post	Scale of pay	Present basic pay	Total emoluments	Signature of the faculty member

b. **Experience**

Sl. No.	Name of the faculty member	Position and years of experience								
		Teaching			Industry					
		Institution	Position	Years	Organization	Position	Years			

v. M.C.A. ----- **Not Applicable** -----

A. Name of the HOD:

(Provide the details in the format given below at the appropriate place along with other faculty members)

B. Details of the faculty:

a. Qualification

Sl. No.	Name of the faculty member with stamp-size photo	Regular/Visiting	Designation	Qualification with class obtained starting from the highest degree	Corresponding specialization	Date of birth and age	Date of joining the present post	Scale of pay	Present basic pay	Total emoluments	Signature of the faculty member

b. Experience

Sl. No.	Name of the faculty member	Position and years of experience								
		Teaching			Industry					
		Institution	Position	Years	Organisation	Position	Years			

vi. M.B.A. ----- **Not Applicable** -----

A. Name of the HOD:

(Provide the details in the format given below at the appropriate place along with other faculty members)

B. Details of the faculty

a. Qualification

Sl. No.	Name of the faculty member with stamp-size photo	Regular/Visiting	Designation	Qualification with class obtained starting from the highest degree	Corresponding specialization	Date of birth and age	Date of joining the present post	Scale of pay	Present basic pay	Total emoluments	Signature of the faculty member

b. Experience

Sl. No.	Name of the faculty member	Position and years of experience					
		Teaching			Industry		
		Institution	Position	Years	Organisation	Position	Years

vii **Architecture – Provide information separately for each programme ----- Not Applicable -----**

A. **Name of the Department:**

B. **Name of the HOD:**

(Provide the details in the format given below at the appropriate place along with other faculty members)

C. **Name of the programme:**

D. **Details of the faculty**

a. **Qualification**

Sl. No.	Name of the faculty member with stamp-size photo	Regular/Visiting	Designation	Qualification with class obtained starting from the highest degree	Corresponding specialization	Date of birth and age	Date of joining the present post	Scale of pay	Present basic pay	Total emoluments	Signature of the faculty member

b. **Experience**

Sl. No.	Name of the faculty member	Position and years of experience								
		Teaching			Industry					
		Institution	Position	Years	Organisation	Position	Years			

E. Name of the programme: M. Arch. / M. Plan ----- **Not Applicable** -----

F. Details of the faculty exclusively available for the M. Arch. / M. Plan. – programme-wise

a. Qualification

Sl. No.	Name of the faculty member with stamp-size photo	Regular/Visiting	Designation	Qualification with class obtained starting from the highest degree	Corresponding specialization	Date of birth and age	Date of joining the present post	Scale of pay	Present basic pay	Total emoluments	Signature of the faculty member

b. Experience

Sl. No.	Name of the faculty member	Position and years of experience								
		Teaching			Industry					
		Institution	Position	Years	Organisation	Position	Years			

viii. Librarian and Director of Physical Education

A. Details of the staff

Sl. No.	Name of the staff member with stamp size photo	Department	Designation	Qualification	Date of joining the present post	Previous experience	Date of birth and age	Scale of pay	Basic pay	Total emoluments	Signature
1.	S.Godwin Anbu	Library	Librarian	M.A., M.L.I.S., M.Phill.,	03.02.2010	7Years	04.06.1974&36	8,000-275-13,500	8,000	19,000	
2.	S. Wins	Physical Education	Physical Director	M.P.Ed., B.P.Ed, B.Sc	23.07.2011	Nil	26.03.87	8,000-275-13,500	8,000	10,000	

14. Faculty – requirements and availability

i. Consolidated details of faculty for Science & Humanities (for supporting Engg. & Tech. programmes)

Designation	Maths	Physics	Chemistry	English	Gen. Engg.	Total
Professor	-	1	1	1	-	3
Assistant Professor	5	2	3	3	4	17
Lecturer	-	-	-	-	-	-
Grand Total (A)						20

Total sanctioned intake for the year 2010-11 of all the B.E. / B.Tech. Programmes (S1)

Total no. of faculty members required (R) = (S1/15) :

% Deficiency [(1- A/R) x100] :

ii. Consolidated details of faculty for all the programmes except M. E. / M. Tech. (As per the format of the Inspection Report)

S.No.	Degree	Programme(s)	Total Sanctioned Strength* (S)	Professor			Asst. Prof.			Lecturer			Total no of faculty members available (T = A1+ A2+ A3)	SSR 1: S/T
				R#	A1	D (%)	R#	A2	D (%)	R#	A3	D (%)		
1	B.E	Computer Science and Engineering	120	1	1	Nil	7	7	Nil	-	-	-	10	1:12
2	B.E	Electrical and Electronics Engineering	120	1	1	Nil	7	4	30%	-	-	-	08	1:15
3	B.E	Electronics and Communication Engineering	120	1	2	Nil	7	7	Nil	-	-	--	10	1:12
4	B.E	Mechanical Engineering	120	1	2	Nil	7	4	30%	-	-	-	09	1:13

(List of Teaching Staff is enclosed)

* Academic years to be considered for the calculation of total sanctioned intake(s)					
Programmes	B.E./B.Tech.	B.Arch./B.I.D.	M.B.A. / M.Sc. (2 years)	M.C.A.	M.Sc. (5 years)
Academic years	2008-09 to 2010-11	2007-08 to 2009-10 + 2 times the sanctioned intake of 2010-11	2 times the sanctioned intake of 2010-11	2009-10 + 2 times the sanctioned intake of 2010-11	2007-08 to 2009-10 + 2 times the sanctioned intake 2010-11

R = Required, **A_i** = Available, **D** = Deficiency, **SSR** = Staff : Student Ratio

To find **R**, for different cadres, for a given total sanctioned strength **S**, refer **ANNEXURE I** for all programmes except B.Arch.

For B.Arch. programmes refer **ANNEXURE II**

iii. Consolidated details of faculty for M.E. / M.Tech. ----- **Not Applicable** -----

Sl. No.	Name of the Programme(s)	Qualification	Required	Available	Deficiency %
1.		Ph.D.	1		
		M.E. / M.Tech.	2		
		Total	3		
2.		Ph.D.	1		
		M.E. / M.Tech.	2		
		Total	3		

iv. **Are training and development opportunities given to faculty members? Yes**

If so provide details: The staff members are deputed to factory for industrial Tanning & also deputed for faculty development programmes.

v. **Is performance appraisal system followed for faculty members? Yes**

If so provide details: If so provide details: Staff members are evaluated by the student's feedback and also by their performance in the courses they are handling for students.

15. Non-teaching staff

- i. **Technical staff:** Provide the information separately for each Department.

Name of the Department: COMPUTER SCIENCE ENGINEERING

Details of the staff

Sl. No.	Laboratory	Name of the staff	Designation	Qualification	Date of joining the present post	Previous experience	Date of birth and age	Scale of pay	Basic pay	Total emoluments	Signature
1	Computer Lab	Mr.Sivasingh	Lab Assistant	DCE	17.07.10	1 Year	29-07-89&20			5000/-	
2	Computer Lab	Mr.Poulraj	Lab Assistant	B.E	28.4.11	3 months	24.08.1984 &25			7000/-	

Name of the Department: ELECTRONICS AND COMMUNICATION ENGINEERING

Details of the Staff

Sl. No.	Laboratory	Name of the staff	Designation	Qualification	Date of joining the present post	Previous experience	Date of birth and age	Scale of pay	Basic pay	Total emoluments	Signature
1.	ECE	S.Saraswathi	Lab Assistant	DECE	01/06/09	3 Years 5 Months	10-06-86 24 Yrs			7,500/-	
2.	ECE	D.Sujatha	Lab Assistant	DECE	29.06.2010	4 years	01.06.1981 &29 yrs			6000/-	
3	ECE	S.Thangaselvi	Lab Assistant	DECE	11/05/09	1 years	25-05-89 20 Yrs			6000/-	
4	ECE	P.Manimakalai	Lab Assistant	ITI	03.08.2011	Nil	03.05.93 & 18			6,500/-	

Name of the Department: ELECTRICAL AND ELECTRONICS ENGINEERING

Details of the staff

Sl. No.	Laboratory	Name of the staff	Designation	Qualification	Date of joining the present post	Previous experience	Date of birth and age	Scale of pay	Basic pay	Total emoluments	Signature
1	EEE	Mr.A.Mariselvam	Lab Assistant	DEEE	01.08.10	4 Months	10.11.1991 & 19			6000/.	
2.	EEE	Mr. G. Vaiguntharaj	Lab Assistant	DEEE	20.5.09	8 years	09-03-84 25 yrs			6000/-	
3.	EEE	Ms.S.Saratha	Lab Assistant	ITI	03.08.11	Nil	17.12.89 & 23			6500/-	
4	EEE	N.Kalaiarasi	Lab Assistant	DEEE	12.08.11	4.5 Years	29.07.89 & 22 yrs			7,000/-	

Name of the Department: MECHANICAL ENGINEERING

Details of the staff

Sl. No.	Laboratory	Name of the staff	Designation	Qualification	Date of joining the present post	Previous experience	Date of birth and age	Scale of pay	Basic pay	Total emoluments	Signature
1	MECH	Mr. Amalanathan	Lab Assistant	DME, B.E	1-4-2010	17years	17.7.1972 & 38			10,500/.	
2	MECH	Mr.M.Muthu	Lab Assistant	DME	20.06.2011	Nil	26.06.1991 & 19			6,000/.	
3	MECH	K.Poovaragavan	Lab Assistant	DME	08.08.2011	3 Years	10.06.82 & 29			6,500/-	

Name of the Department: WORKSHOP

Details of the staff

Sl. No.	Laboratory	Name of the staff	Designation	Qualification	Date of joining the present post	Previous experience	Date of birth and age	Scale of pay	Basic pay	Total emoluments	Signature
1.	Workshop	Mr. Ramesh	Electrician	DEEE	03.06.2010	-	08.01.1988 & 22			6000/-	
2.	Workshop	Mr. Stephenraj.S	Welder	I.T.I	06.08.2010	-	06.11.1991&20			5000/-	
3.	Workshop	Mr. Vijayakumar	Carpenter	ITI	01.04.2010	21 Years	5.04.1965&45			8000/-	
4	Workshop	Mr. Arul	Plumper	10th	02-07-2009	1 year 4 months	07.05.1975 & 35			4000/-	

Name of the Department: Physics

Details of the staff

Sl. No.	Laboratory	Name of the staff	Designation	Qualification	Date of joining the present post	Previous experience	Date of birth and age	Scale of pay	Basic pay	Total emoluments	Signature
1.	Physics	Ms. Sreedevi	Lab Assistant	B.Sc	14.05.10	4 years	11.6.1984 & 26			6500/.	

Name of the Department: CHEMISTRY

Details of the staff

Sl. No.	Laboratory	Name of the staff	Designation	Qualification	Date of joining the present post	Previous experience	Date of birth and age	Scale of pay	Basic pay	Total emoluments	Signature
1.	Chemistry	B.Parameshwari	Lab Assistant	B.Sc	28.6.2009	1 year 4 months	02.05.1989 & 21			6000/-	
2	Chemistrty	Ms.Rathna Priya	Lab Assistant	M.Sc	14.07.2010	-	27.12.1986 & 24			5000/-	

ii. Library and Physical Education Department

Details of the staff

Sl. No.	Department	Name of the staff	Designation	Qualification	Date of joining the present post	Previous experience	Date of birth and age	Scale of pay	Basic pay	Total emoluments	Signature
1.	Library	Mr.Baskar	Ass. Librarian	M.A	01.07.2010	5 Years	18.04.1984& 26			5500/.	
2.	Library	B.Harrieth Starina	Asst Librarian	M.A	15.07.11	8 Years	08.12.1974 & 36			11,000/-	
3.	Physical Education	Mr.Krishnan	Marker	-	08.12.2010	2 years	25.08.1970 &40			4000/-	
4.	Physical Education	Mr. Nagaraj	Physical Education Assistant	-	04-05-2009	8 years	10.07.1971 &39			4000/-	

**iii.Ministerial staff
Details of the staff**

Sl. No.	Name of the staff	Place of work	Designation	Qualification	Date of joining the present post	Previous experience	Date of birth and age	Scale of pay	Basic pay	Total emoluments	Signature
1	.A.Parthasarathy	Viit	Cashier / Accountant	M.Com.,	20-07-09	2 years	01-06-1986 & 24	8,000- 275 - 13,500	8,000	10,000	
2	Ms. Revathi.N	Viit	Admin Asst	B.Com	07.06.10	1 year	03-05-1987 & 23		7,000	7,000	
3	Ms. Dhanalakshmi	Viit	Admin Asst	B.Com	02.06.10	6 month	24.05.1989 & 21		5,000	5,000	
4	Ms..Shanthi.P	Viit	Admin Asst	M.Sc	21.07.10	6 month	15.06.1986 & 24		6,000	6,000	
5	Mr.Ajaikumar	Viit	Office boy	+2	07.07.10	-	09-04-1993		3100	3100	

Sl. No.	Name of the staff	Place of work	Designation	Qualification	Date of joining the present post	Previous experience	Date of birth and age	Scale of pay	Basic pay	Total emoluments	Signature
6	K.Nagendran	Admin. Office	Office Superintendent	M.Sc (RDS),,	20-01-2011	10 years	24-03-1963 & 47			9,000	
7	L.Arunpremkumar	Admin Office	Office Asst.	HSC	08.08.2011	2.5 Years	12.06.89			5,000	

16. Laboratory: Provide Department-wise details separately as Enclosure

i. Space:

Name of the Department: CSE, ECE, EEE & MECH

Norm :

- *In respect of Engg. & Tech. programmes the required area per laboratory shall be 250 sq.m and for workshop 900 sq.m. for a batch of 30 students.*
- *In respect of B.Arch programmes the required area per laboratory shall be 360 sq.m and for workshop 100 sq.m. for a batch of 40 students.*
- *In respect of M.C.A. programme the required area per laboratory shall be 150 sq.m for a batch of 30 students.*

Sl. No.	Name of the Laboratory/ Dept	Area of the laboratory available (sq.m.)	Deficiency %
1	List Enclosed		Nil
2			
3			
4			
5			

ii. Laboratory Equipment

(Provide the information in the format given below for each laboratory course separately in respect of all the semesters concerned for the UG&PG programmes applied for in the Department)

(Refer www.annatech.ac.in and select 'Affiliation' icon for requirements of laboratory equipment)

Degree : B.E
Programme : CSE, ECE, EEE, & Mechanical Engineering
Semester : I, II, III & IV
Regulation : R2010
Name of the Laboratory Course : Please referred attached List of Lab equipments in the prescribed format.

List of equipment required for a batch of 30 students for U.G. / 25 students for P.G.:

Sl. No.	Name of the equipment/software	Quantity required	Quantity available	Deficiency %
	List Enclosed for Each Programme(CSE, ECE EEE & MECH) (Annexure II)			

17. Central Computing Facility

i. Area

Area required (sq.m.)	Area available (sq.m.)	Deficiency %
150	200	Nil

ii. Terminals and LAN/WAN connections:

Norms for number of terminals:

Terminal: Student

B.E./B. Tech.

1:4

M.E./M. Tech.

1:2

B.Arch.

1:6

M.B.A.

1:2

M.C.A

1:2

	Number of terminals with P4 processor	Number of terminals on LAN/WAN	Number of Printers
Required	120	60	12
Available	130	130	10
Deficiency	Nil	Nil	18%

iii. Softwares

Software required	Name of the software available	Deficiency %
System software – two	1.Windows vista Tm Enterprise	
	2.UBUNDU 10.0, FEDRO 10	
Application software – eight and four for B.E. / B.Tech. and B.Arch. / M.B.A. / M.C.A. programmes respectively.	1.Ms Visual Studio Professional 2008	Nil
	2.Ms SQL Server 2008 Standard Edition	
	3.Ms Espression	
	4.Ms.Visio Pro	
	5.Ms office Professional plus 2007	
	6. CAD Software	
	7. Think Design software	
	8. C, C++ Turbo	

iv. Network connectivity

Bandwidth : **2 Mbps**
 Number of nodes with Internet connection : **30**

Norms:

Bandwidth : *510 Kbps*
Number of nodes with Internet connection : *30*

For colleges offering only Architecture programmes:

Bandwidth : *510 Kbps*
Number of nodes with Internet connection : *15*

18. Library

i. Area

Area required for an intake of 240 students (sq.m.)	Projected Area (sq.m.)	Area available (sq.m.)	Deficiency %
400 (100 for colleges having only Architecture programmes)	400	448	Nil

ii. Books and Journals

a) Books

No. of existing UG programmes

$$N_1 = 4$$

No. of existing PG programmes

$$N_2 = 0$$

	Science & Humanities	Engg. / Tech., Arch. & Plan., Management and Computer applications				Total no. of volumes added for the year 2011-12 (M ₃)	Total no. of volumes (M ₁ + M ₂ + M ₃)
	No. of volumes (M ₁)	No. of titles (T)	No. of volumes (M ₂)				
			If the year of establishment of the college is				
			2010-11	2009-10	2008-09 and earlier		
Required	1000	$250N_1 + 150 N_2 = 1000$	4T = 960	4T + 1000 = 960	4T + 2000 = NA	1000	
Available	1608	1970	1000	1000	NA	2612	8190
Deficiency %	Nil	Nil	Nil	Nil	NA	Nil	Nil

b) Journals

Sl. No.	Degree	Programme	National journal			International journal		
			R (Refer norms)	A	% D	R (Refer norms)	A	% D
1	B.E.	Computer Science Engineering	6	8	Nil	6	6	Nil
2	B.E.	Electrical & Electronics Engineering	6	7	Nil	6	6	Nil
3	B.E.	Electronics & Communication Engineering	6	6	Nil	6	6	Nil
4	B.E.	Mechanical Engineering	6	7	Nil	6	6	Nil

Norms:

Sl. No.	Programmes	Technology Journals	
		National	International
1.	B.E. / B.Tech.	6	6
2.	M.E. / M.Tech.	-	1
3.	Arch.	5	5
4.	M.B.A.	15	15
5.	M.C.A.	6	6

19. Class Rooms

Norms for Class Room Capacity

Area (sq.m)

66

Capacity

60

i. Class Rooms available in the whole college

Sl. No.	Area (length x width) in square metre	Number of rooms	Type of roof (RCC/asbestos)	Capacity (for calculation, refer norms given above)
1	96.85	9	RCC	60/Room
2	71.04	3	RCC	60/Room
15				
Total	1084.77	12	RCC	780

ii. Summary

Sl. No.	Required	Available	Deficiency %
1	[Total class room capacity required for the college (C) = 0.75 x total sanctioned intake in all the years for all the programmes] = $0.75 \times 780 = 585$	1084.77	Nil
2	Number of Class rooms required for the college = $C/60 = 720/100 = 12$	12	Nil

20. Drawing Halls

i. Number of drawing halls required

Norm

- Number of drawing halls required for B.E. / B.Tech programmes = [Total sanctioned intake for the college / 240]
- Number of studios required for B.Arch programme is 5.
- Number of conference rooms required for M.B.A. programme is 3.

Sl. No.	Programmes	Number of drawing halls required (Total sanctioned intake for the college / 240)	Number available	Deficiency %
1	B.E	1	1	Nil

ii. Area of the drawing hall

Norm

	<i>Programme</i>	<i>Area required for each drawing hall</i>
1.	<i>B.E./B.Tech</i>	<i>175 sq.m.</i>
2.	<i>B.Arch.</i>	<i>200 sq.m.</i>
3.	<i>M.B.A.</i>	<i>50 sq.m.</i>

Sl. No.	Programmes	Area of the each drawing hall required (sq.m.)	Area of the drawing hall available (sq.m.)	Deficiency %
1	B.E	175	196	Nil
Total		175	196	Nil

21. Other building space

i. Central facility

Sl. No.	Building space for	Building space required (sq.m) *	Projected space required (sq.m.)*	Available (sq.m.)	Deficiency %
1.	Principal's office	30 (20)	30 (20)	33.78	Nil
2.	Administrative office	20 (20)	20 (20)	55	Nil
3.	Reception office	25 (25)	25 (25)	26	Nil
4.	Main office	300 for an intake of 240 students/year (50)	300	319	Nil
5.	Strong room	20 (20)	20 (20)	22.52	Nil
6.	Conference room	100 (25)	100 (25)	100.20	Nil
7.	Drawing/reprographic facility	20 (20)	20 (20)	20.19	Nil
8.	Maintenance and estate office	40 (40)	40 (40)	30.00	25%
9.	Students activity centre	0.25/student (0.25/student)	180	180	Nil
10.	Open air theatre	4000	4000 50	-	-
11.	Toilets in education building	10 for each 100 students (10 for each 100 students)	72	72	Nil
12.	Canteen	100 (100)	100 (100)	149	Nil
13.	Co-operative store	100 (30)	100 (30)	50	50%
14.	NSS / NSO / NCC / YRC office	100 (30)	100 (30)	100	Nil

* (Figures within the brackets indicate the requirements for Architecture programme)

ii. Department facility: Provide details Department wise

Name of the Department:

Sl. No.	Building space for	Building space required (sq.m.)	Projected space required (sq.m.)	Available (sq.m.)	Deficiency %
1.	HOD	20	20×4=80	60	25%
2.	Department office	25	25×4=100	50	50%
3.	Faculty	10 / Teacher	480	435	10%
4.	Department library	30	30×4=120	120	-
5.	Seminar	30	30×4=120	120	-
6.	Store	10	10×4=40	37.15	10%

iii. Staff residence

Sl. No.	Building space for	Building space required in sq.m.	Projected space required (sq.m.)	Available (sq.m.)	Deficiency %
1.	Principal	140	140	Nil	-
2.	Professor	100		Nil	-
3.	Asst. Prof./Lecturer	80		Nil	-
4.	Class III staff	30		Nil	-
5.	Class IV staff	20		Nil	-

22. Hostels

Distance between the location of the college and the city: 12 Km – from Chengalpet

Norms

	<u>Carpet Area (sq.m.)</u>
Single room	9
Triple seated room	20

i. Boys Hostel

Norms

- For the first year students a maximum of three in a room and for others single seated rooms to be provided.
- Total hostel capacity required for boys is 25% of boys' strength in the college if the college is located within 20 kms of a large city
- Total hostel capacity required for boys is 50 % of boys' strength in the college if the college is situated in other locations.
- Accommodation for 120 students is to be considered as one hostel unit.

A. Details

Sl. No.	Block number	Carpet area of room (sq.m.)	Room capacity (a) (refer norms given above)	Number of rooms (b)	Capacity per Block (c) = (a) x (b)
1	I Ground Fl	17	2	17	34
2	I Ground Fl	11	1	08	08
3	I First Fl	17	2	17	34
4	I First Fl	11	1	08	08
5	II Ground Fl (proposed)	17	2	17	34
6	II Ground Fl (proposed)	11	1	08	08
7	II First Fl (proposed)	17	2	17	34
8	II First Fl (proposed)	11	1	08	08
Total			-	100	178

B. Summary

Total hostel capacity required for boys (refer norms given above)	Total hostel capacity available for boys	Deficiency %
180	180 (100 more under construction)	Nil

ii. Girls Hostel**Norms**

For the first year students a maximum of three in a room and for others single seated rooms to be provided.

Total hostel capacity required for girls is 50% of girls' strength in the college if the college is located within 20 km of a large city

Total hostel capacity required for girls is 100 % of girls' strength in the college if the college is situated in other locations.

A. Details

Sl. No.	Block number	Carpet area of room (sq.m.)	Room capacity (a) (refer norms given above)	Number of rooms (b)	Capacity per Block (c) = (a) x (b)
1.	A	440	3	10	30
Total					

B. Summary

Total hostel capacity required for girls (refer norm given above)	Total hostel capacity available for girls	Deficiency %
40	40	Nil

Note: Being the Girl's strength is very low, private accommodation is provided near the college.

10 Other related building areas

Sl. No.	Description of the area	Required carpet area (sq.m.) per hostel unit of 120 students	Projected area required (sq.m.)	Available carpet area (sq.m.)	Deficiency %
1.	Kitchen and Dining Hall	200	240	420	Nil
2.	Indoor games cum Common hall	150	130	-	15%
3.	Medical room (for all hostels)	50	50	41	17%
4.	Canteen	50	75	60	20%
5.	Warden office	18	18	17	Nil Nils
		Additional four rooms of 9 sq.m. each within the blocks	4	50	
6.	Guest rooms	18 (2 nos.)	36	17	50%
		Additional four rooms of 9 sq.m. each within the blocks	4	-	
7.	Toilets	75	150	80	40%

10 Details of Teachers Hostel available

(It is desirable to have a hostel type accommodation for 25% strength of the teachers with the norm of 30 sq.m. carpet area per teacher inclusive of an attached toilet room.)

23. Physical Education

Sl. No.	Description	Details
1	Total area of the play ground	12,140 Sq.m
2	Details of the outdoor games available	1. Volley ball
		2. Kabadi
		3. Foot ball
		4. Cricket
3	Details of the Indoor games available	1. Chess
		2. Carom
		3.
		4.
4	Details of gymnasium available	1. -
		2.
		3.
		4.
5	Fund allotted to Physical Education	Rs. 75,000/-

10 Training and Placement Cell

10 Details of the staff

Sl. No.	Name	Designation	Department
1	Mr.Radhakrishnan	Professor	Mech.

10 Facilities available

Sl. No.	Item	Available (Y/N)
1	Conference hall	Yes
2	Interview room	Yes
3	OHP	Yes
4	LCD projector	Yes
5	Audio visual facilities	Yes

10 Alumni Association

Is alumni association functioning in the college? Y/N No

26. Other amenities

10 Health Centre

Sl. No.	Name of the staff	Designation	Qualification	Specialization	Experience
1	Dr.Annamalai	General physician	M.B.B.S, MD	General Medicine	10 years
2	Dr.Raja	General Physician	M.B.B.S,	General Medicine	2 Years

ii. Others

Sl. No.	Amenity	Available (Y/N)
1.	Vehicle parking stand	Yes
2.	Transport facilities for staff and students	Yes
3.	Bank /Extension counter facility	No
4.	Telephone facility	Yes
5.	Drinking water facility	Yes
6.	Generator (min. 25 KVA)	Yes

27. Registers and Records

Sl. No.	Name of Register / Record	Is it maintained? (Y / N)
1.	Department wise faculty profile	Y
2.	Department wise Non-Teaching Staff Profile	Y
3.	Register of attendance and assessment record (programme wise)	Y
4.	Attendance for teaching and non-teaching staff	Y
5.	Advertisement for recruitment of faculty members	Y
6.	Minutes of the meeting of Staff Selection Committee	Y
7.	Appointment / offer letters issued to faculty members	Y
8.	Joining report of staff members	Y
9.	Record of students (programme wise)	Y
10.	Academic performance record of students (programme wise)	Y
11.	Record of student projects (UG, PG & PhD)	-
12.	Register of attendance and assessment record (programme wise)	Y
13.	Record of scholarships / fellowships / financial assistance for students	Y
14.	Book of Transfer certificate (including counterfoils)	Y
15.	Copy of Regulations, curriculum and syllabi (programme wise)	Y
16.	Record of Research / Consultancy / Extension activities (Department wise)	Y
17.	Record of Achievements, Award and Recognition (Department wise)	Y
18.	Master time table and Academic calendar	Y
19.	Accession register for library	Y
20.	Stock register for equipment	Y
21.	Stock register for consumable	Y
22.	Stock register for furniture	Y
23.	Stock register for tools and plants	Y
24.	Minutes of the meetings of the Governing council of the college	Y
25.	Minutes of the meeting of the Planning and Monitoring Board	Y
26.	Minutes of the meetings of the Registered Society / Trust of the college	Y
27.	Year-wise audited statement of accounts of the college and also in the format specified by the University	Y
28.	Cash book of the college	Y
29.	Acquaintance register	Y
30.	Fee receipt books (including counterfoils)	Y
31.	Funds position / bank certificates / FDR copies to indicate financial stability	Y

28. Certificates

The **originals** of the following are to be produced for verification at the time of inspection to the inspection committee members (**copies need not be enclosed along with application**)

Sl. No.	Certificate	Available (Y / N)
1.	Village field map / Field measurement book sketch	Y
2.	College site map / plan.	Y
3.	Existing building plan.	Y
4.	Building sketch [details of Rooms, Laboratories, Stores, Library etc. for all the floors]	Y
5.	Building plan proposed.	Y
6.	Irrevocable Trust Registration Deed.	Y
7.	Documentary proof for ownership of lands exclusively earmarked for the College.	Y
8.	Legal opinion from not below the rank of the Govt. pleader on the ownership of land and extent of coverage.	Y
9.	Land use Certificate from an appropriate authority (RDO) and Land conversion certificate from the Directorate of Town & Country planning.	Y
10.	# Certificate under Section 37 (B) of Tamil Nadu Land Reforms (Land fixation and Ceiling) Act, 1961.	Y
11.	# State Government permission for starting the College.	Y
12.	AICTE approval for the programme(s) (copy to be enclosed).	Y
13.	Documents showing the financial viability of the college [details of financial budgeted revenue and expenses statements (Current year)].	Y
14.	Composition of the Governing council.	Y
15.	Master Time – Table for all courses and all sections with classroom arrangements.	Y
16.	Audited statement of accounts of the college for the past three years.	Y
17.	Certificates for fire/boiler/electrical safety from competent authorities.	Y
18.	Certificate from Health Inspector.	Y
19.	Certificate from PWD Superintendent Engineer for the structural stability of the building	Y
20.	Building and equipment insurance certificate.	Y

The application for affiliation will be considered without prejudice to the right of the University requiring the production of certificate under Section 37B of Tamil Nadu Land Reforms (LC) Act 1961 and the permission of the Government to establish the college required, subject to the verdicts of the Hon'ble High Court of Madras.

29. Inspection fee

Details of Inspection fee remitted: (The D.D. has to be enclosed with the application)

Sl. No.	Programmes for which affiliation is sought for the year 2011-12	Inspection fee per programme	Number of programme(s)	Total Amount (Rs)
1.	Inspection fee for each additional academic programme	Rs. 25,000/-		
2.	Inspection fee for each of the already affiliated programme with increase in intake	Rs. 25,000/-		
3.	Inspection fee for each of the already existing programme with existing / reduction in intake	Rs. 12,500/-	4	50,000/-
4.	Inspection fee for permanent affiliation for each of the already affiliated programme with existing / reduction / increase in intake	Rs. 25,000/-		
Grand Total				50,000/-

D.D. No.: **180819** Date: **19.01.2011**

Name of the Bank & Branch: **Indian Bank, Anna salai Branch**

(The D.D. to be drawn in favour of 'The Director, Centre for Affiliation, Anna University of Technology Chennai, Chennai – 600 113)

30. Endorsement of the Principal

I, Thiru. Dr.K.Dhineshkumar son of Thiru. G.KANAGARAJ on behalf of the Vi Institute of Technology hereby declare that the particulars furnished in the application are correct to the best of my knowledge.

Principal

Place:Sirunkundram

Date: 12.08.2011

(Dr.K.DHINESH KUMAR)

Seal

31. Declaration by the Management

I, Tmt. V.REVATHY w/o of Thiru. R.VIJAYARAJESWARAN on behalf of the trust, viz., Vi Micro Educational Trust hereby declare that the particulars furnished in the application are correct to the best of my knowledge. No programme(s) will be started without the prior approval of the AICTE and the grant of affiliation by the Anna University of Technology Chennai for the academic year concerned and all the original documents related to the particulars given in the application will be produced at the time of inspection and whenever called for.

Place: Chennai

Date: 12.08.2011

Secretary

(V.REVATHY)

Seal

ANNEXURE - I

Annexure - I
LIST OF FACULTY

<p>Principal Dr. K. Dhinesh Kumar, M.E., Ph.D</p> <p>Department of CSE</p> <ol style="list-style-type: none"> 1. Dr. N. Ramakrishnan B.Tech., Ph.D 2. Mr. J. Prakash Jeya Singh M.Tech 3. Mrs. A. Priyadarshini B.E 4. Mrs. S.Meera M.E 5. Mrs. J.Ranganayagi M.E 6. Ms. T.Sharanya M.E 7. Mr. V.Premkumar M.E 8. Ms.S.Loraine Janeeta B.E 9. Mr.R.Satheesh Abraham Leo B.E., M.E 10. Ms.S.Abbrar M.E <p>Department of ECE</p> <ol style="list-style-type: none"> 11. Mr. Appu Samy.M.E 12. Mr.M.Palanisamy M.E 13. Mr.S.J.Sugumar M.E 14. Mr. T. Jaibalaganesh M.E 15. Mr. T. Arunranjit M.E 16. Mr.T. Krishnamoorthy M.Tech 17. Mrs. Mary Shyla B.E, M.E 18. Mr.Prabhu B.E., M.E 19. Ms.Lavanya.S.V. M.E 20. Ms.K.Jenefa M.E <p>Department of EEE</p> <ol style="list-style-type: none"> 21. Mr.M.Sakthivel M.E., 22. Mr. R.S. Abilash M.E., 23. Mr. Chodapaneedi Venkadesh M.Tech., 24. Mr. A. Blessing Paul Benet M.E., 25. Mrs.M.Gayathri M.E 26. Mr. K.Ragul Kumar B.E, M.E., 27. Mr.Ajish Krishnan B.E., M.E <p>Department of MECH</p> <ol style="list-style-type: none"> 28. Mr. E.Radhakrishnan M.E., Ph.D 29. Mr.S.Jesudass Thomas M.E., 30. Mr. Selvakumar M.E., 31. Mr.G.Rajesh B.E, M.E., 32. Mr.Subramanian M.E 33. Mr.J.Karthick B.E, M.E., 34. Mr.N.Anbalagan B.E., M.E., 35. Mr.T.Muralitharan B.E., M.E., 	<p>Department of Physics</p> <ol style="list-style-type: none"> 36. Dr.B.Ramasekaran M.Sc., M.Phil., Ph.D 37. Ms. S. Sowmiya M.Sc., M.Phil., 38. Mr. Aswathaman M.Sc.M.Phil., Ph.D <p>Department of Chemistry</p> <ol style="list-style-type: none"> 39. Mr. G. Arumugakani M.Sc., M.Phil., 40. Mrs. N.Mahalakshmi.M.Sc., M.Phil., Ph.D 41. Ms. K.Vinothini M.Sc., M.Phil., 42. Mr.Mahendran M.Sc., M.Phil <p>Department of English</p> <ol style="list-style-type: none"> 43. Mrs. M.S.Arathi M.A., M.Phil 44. Ms. K.Kamala veni M.A., M.phil Ph.D 45. Mr. D.R.Ganeshmurthi M.Phil., <p>Department of Maths</p> <ol style="list-style-type: none"> 46. Mr.R.Delhi Babu M.Sc. M.Phil., 47. Mr. J.Charles Prem Anand M.Sc., M.Phil 48. Ms. G. Gomathi M.Sc., M.Phil., 49. Ms. A.Berin Greeni.A M.Sc. M.Phil 50. Mr. V. Selvam M.C.A., <p>Physical Education</p> <ol style="list-style-type: none"> 51. Mr.S.Wins B.P.E.S, M.P.Ed, M.phil <p>Librarian</p> <ol style="list-style-type: none"> 52. Mr. S.Godwin Anbu M.A, MLIS., M.Phil.,
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ANNEXURE - II

ANNEXURE –II

List of Laboratories & Equipments

(Sem : I to VI)

I Sem : (Common for all branches)

ME 2207

1. 185151 Computer Practice Laboratory - I
2. 185152 Engineering Practices Laboratory
3. 184151 Physics & Chemistry Laboratory I

Sem II

1. 185253 Computer Practice Laboratory-II*
2. 184252 Physics & Chemistry Laboratory - II*
3. a . 113251 Computer Aided Drafting and Modeling Laboratory
(For non-circuits branches)
- . b 131251 Electrical Circuits Laboratory
(For branches under Electrical Faculty)
- c 9147252 Circuits and Devices Laboratory
(For branches under I & C Faculty)
- 4 . - English Language Laboratory

Name of the Branch : CSE

Sem III

- CS 2207 Digital Lab
CS 2208 Data Structures Lab
CS 2209 Object Oriented Programming Lab

Sem IV

- CS 2257 Operating Systems Lab
CS 2258 Data Base Management Systems Lab
CS 2259 Microprocessors Lab

Sem V

- CS2307 Network Lab
CS2308 System Software Lab
CS2309 Java Lab

Sem VI

- CS2357 Object Oriented Analysis and Design Lab
GE2321 Communication Skills Lab
CS2358 Internet Programming Lab

Name of the Branch : ECE

Sem III

- EC 2207 Digital Electronics Lab
- EC 2208 **Electronic Circuits Lab I**
- EC 2209 Data structures and Object Oriented Programming Lab

Sem IV

- EC 2257 Electronics circuits II and simulation lab
- EC 2258 Linear Integrated Circuit Lab
- EC 2259 Electrical Engineering and Control System Lab

Sem V

- EC2306 Digital Signal Processing Lab
- EC2307 Communication Systems Lab
- EC2308 Microprocessor and Microcontroller Lab

Sem VI

- EC2356 Computer Networks Lab
- EC2357 VLSI Design Lab
- GE2321 Communication Skills Lab

Name of the Branch : EEE

Sem III

1. **EE 2207 Electron Devices and Circuits Laboratory**
2. EE 2209 Data Structures and Algorithms Laboratory
3. EE 2208 Measurements & Instrumentation Laboratory

Sem IV

1. EE 2257 Control Systems Laboratory
2. EE 2258 Linear and Digital Integrated Circuits Laboratory
3. EE 2259 Electrical Machines Laboratory

Sem V

1. CS2312 Object Oriented Programming Laboratory
2. GE2321 Communication Skills Laboratory
3. EE2304 Power Electronics Laboratory
4. EE2305 Electrical Machines II Laboratory

Sem VI

1. EE2356 Microprocessor and Micro controller Laboratory
2. EE2357 Presentation Skills and Technical Semina

Name of the Branch : MECH

Sem III

ME 2207 Manufacturing Technology Lab –
ME 2208 Fluid Mechanics and Machinery Laboratory
ME 2209 Electrical Engineering Laboratory

Sem IV

ME 2258 Manufacturing Technology Lab – II
ME 2256 Strength of Materials Lab
ME 2257 Computer Aided Machine Drawing Laboratory

Sem V

ME 2306 Thermal Engineering Laboratory –
ME 2307 Dynamics Laboratory
ME 2308 Metrology & Measurements Laboratory
ME 2309 CAD / CAM Laboratory

Sem VI

ME 2355 Thermal Engineering Laboratory – II
ME 2356 Design & Fabrication Project
GE 2321 Communication Skills Laboratory

Note: The list of equipments as prescribed by the University is enclosed for semesters I to V.

Principal

**I Year B.E./ B.Tech.
Semester – I (R 2008)
GE 2116 Engineering Practices Laboratory
Requirements for a batch of 30 students**

Sl.No.	Description of Equipment	Quantity required	Quantity available	Deficiency %
CIVIL				
1.	Assorted components for plumbing consisting of metallic pipes, plastic pipes, flexible pipes, couplings, unions, elbows, plugs and other fittings.	15 sets	15 sets	Nil
2.	Carpentry vice (fitted to work bench)	15 No.	15	Nil
3.	Standard woodworking tools	15 sets	15	Nil
4.	Models of industrial trusses, door joints, furniture joints	5 each	5	Nil
5.	Power Tools: (a) Rotary Hammer (b) Demolition Hammer (c) Circular Saw (d) Planer (e) Hand Drilling Machine (f) Jigsaw	2 Nos 2 Nos 2 Nos 2 Nos 2 Nos 2 Nos	2 2 2 2 2 1	Nil
MECHANICAL				
1.	Arc welding transformer with cables and holders	5 No.	5	Nil
2.	Welding booth with exhaust facility	5 No.	5	Nil
3.	Welding accessories like welding shield, chipping hammer, wire brush, etc.	5 sets	5	Nil
4.	Oxygen and acetylene gas cylinders, blow pipe and other welding outfit.	2 No.	01	50

5.	Centre lathe	2 No.	10	Nil
6.	Hearth furnace, anvil and smithy tools	2 sets	2 sets	Nil
7.	Moulding table, foundry tools	2 sets	5 sets	Nil
8.	Power Tool: Angle Grinder	2 Nos	2 Nos	Nil
9.	Study-purpose items: centrifugal pump, air-conditioner	One Each.	One each	Nil
ELECTRICAL				
1.	Assorted electrical components for house wiring	15 sets	15 sets	Nil
2.	Electrical measuring instruments	10 sets	10 sets	Nil
3.	Study purpose items: Iron box, fan and regulator, emergency lamp	One each	Each one	Nil
4.	Megger (250V/500V)	1 No.	2	Nil
5.	Power Tools: (a) Range Finder (b) Digital Live-wire detector	2 Nos 2 Nos	2 Nos 2 Nos	Nil
ELECTRONICS				
1.	Soldering guns	10 No.	10	Nil
2.	Assorted electronic components for making circuits	50 No.	50	Nil
3.	Small PCBs	10 No.	10	Nil
4.	Multi Meters	10 No.	14	Nil
5.	Study purpose items: Telephone, FM radio, low-voltage power supply	2 each	2each	Nil

I Year B.E. / B.Tech.

Semester – I (R 2008)

GE 2115 COMPUTER PRACTICE LABORATORY – I

Requirements for a batch of 30 students

S.No.	Description of Equipment	Quantity required	Quantity available	Deficiency %
Hardware				
1.	LAN system with 33 nodes (OR) stand alone PCs	33 Nos.	33 Nos	Nil
2.	Printer	3 Nos.	3 Nos	Nil
Software				
1.	Operating System	Windows / Unix Clone	Available	Nil
2.	Compiler	C compiler	Available	Nil
3.	Application package	Office suite	Available	Nil

I Year B.E. / B.Tech.

Semester - I (R 2008)

GS2165 PHYSICS & CHEMISTRY LABORATORY - I

Requirements for a batch of 30 students

Physics Laboratory

S.No.	Description of Equipment	Quantity required	Quantity available	Deficiency %
1.	Lees' disc apparatus (With accessories)	5 Nos	5 Nos	Nil
2.	Air Wedge apparatus (With traveling microscopes and accessories)	5 Nos	5 Nos	Nil
3.	Spectrometer (With grating, prism and accessories)	5 Nos	5 Nos	Nil
4.	Diode laser (2 mW power) or He-Ne laser (2mW) (Lycopodium powder, Optical fibre Kit and accessories)	5 Nos	5 Nos	Nil
5.	Ultrasonic interferometer (With accessories)	5 Nos	5 Nos	Nil
6.	B-H Curve traces apparatus	5 Nos	5 Nos	Nil

Chemistry Laboratory

S.No.	Description of Equipment	Quantity required	Quantity available	Deficiency %
1.	Electronic balance	1 No.	1 Nos	Nil
2.	pH meter	8 Nos.	8 Nos	Nil
3.	Conductivity bridge	8 Nos.	8 Nos	Nil
4.	Potentiometer	8 Nos.	6 Nos	20
5.	Platinum electrodes	8 Nos.	8 Nos	Nil
6.	Calomel electrodes	8 Nos.	8 Nos	Nil
7.	Spectrophotometer	1 No.	1 No	Nil
8.	Flame photometer	1 No.	1 No	Nil
9.	Oswald viscometer	15 Nos.	12 Nos	20%
10.	Glassware	Sufficient Quantity	Sufficient Quantity	Nil

I Year B.E. / B.Tech.

Semester - II (R 2008)

GS2165 PHYSICS & CHEMISTRY LABORATORY - II

Requirements for a batch of 30 students

Physics Laboratory

Sl.No.	Description of Equipment	Quantity required	Quantity available	Deficiency %
7.	Torsional Pendulum apparatus (With accessories)	5 Nos.	5	Nil
8.	Non-uniform Bending apparatus (With accessories)	5 Nos.	3	40
9.	Viscosity (Poiseuille's flow) apparatus (With accessories)	5 Nos.	5	Nil
10.	Band gap apparatus/ Post office box	5 Nos.	5	Nil
11.	Spectrometer (With grating, prism and accessories)	5 Nos.	5	Nil
12.	Carey Foster Bridge	5 Nos.	5	Nil

Chemistry Laboratory

S.No.	Description of Equipment	Quantity required	Quantity available	Deficiency %
11.	Electronic balance	1 No.	1 Nos	Nil
12.	pH meter	8 Nos.	8 Nos	Nil
13.	Conductivity bridge	8 Nos.	8 Nos	Nil
14.	Potentiometer	8 Nos.	6 Nos	20
15.	Platinum electrodes	8 Nos.	8 Nos	Nil
16.	Calomel electrodes	8 Nos.	8 Nos	Nil
17.	Spectrophotometer	1 No.	1 No	Nil
18.	Flame photometer	1 No.	1 No	Nil
19.	Oswald viscometer	15 Nos.	12 Nos	20%
20.	Glassware	Sufficient Quantity	Sufficient Quantity	Nil

I Year B.E. / B.Tech.

Semester - II (R2008)

GE 2155 COMPUTER PRACTICE LABORATORY - II

Requirements for a batch of 30 students

Sl.No.	Description of Equipment	Quantity required	Quantity available	Deficiency %
Hardware				
3.	UNIX Clone Server	1 No.	1	Nil
4.	33 Nodes (thin client or PCs)	33 Nos.	33 Nos	Nil
5.	Printer	3 Nos.	3 Nos	Nil
Software				
4.	Operating System (33 user license or License free Linux)	Unix Clone	Available	Nil
5.	Compiler	C compiler	Available	Nil

I Year B. E. /B.Tech.
Semester – II (R 2008)
 EC2155 – Circuits and Devices Laboratory
 Requirement for a batch of 30 students (3 per Batch)

Sl. No.	Description of Equipment	Quantity required	Quantity available	Deficiency %
1.	0-30V RPS	12	12	Nil
2.	0-50V RPS	2	2	Nil
3.	0-5V RPS	2	2	Nil
4.	0-30V Voltmeter	10	10	Nil
5.	0-10V Voltmeter	5	5	Nil
6.	0-50V Voltmeter	2	2	Nil
7.	0-1V Voltmeter	3	3	Nil
8.	0-30mA Ammeter	5	5	Nil
9.	0-100mA AC Amplifier	2	2	Nil
10.	Audio Oscillator	5	5	Nil
11.	CRO (30 MHZ)	15	15	Nil
12.	Diodes, Zener Diodes	20	20	Nil
13.	Transistors (PNP & NPN)	10	10	Nil
14.	UJT	10	10	Nil
15.	SCR	10	10	Nil
16.	JFET	10	10	Nil
17.	MOSFET	10	10	Nil
18.	DIAC & TRIAC	10	10	Nil
19.	Photodiode	5	5	Nil
20.	Photo Transistor	5	5	Nil
21.	Required passive components		Available	Nil
22.	Variable Resistor		Available	Nil

I Year B. E. / B.Tech.

Semester - II (R 2008)

ME2155 Computer Aided Drafting and Modeling Laboratory

Requirements for a batch of 30 students

S. No.	Description of Equipment	Quantity required	Quantity available	Deficiency %
1.	Pentium IV computer or better hardware, with suitable graphics facility	30 No.	30 Nos	Nil
2.	Licensed software for Drafting and Modeling	30 licenses	30 licenses	Nil
3.	Laser Printer or Plotter to print / plot drawings	2 No.	2 Nos	Nil

I Year B.E. /B.Tech.

Semester – II (R 2008)

EE2155- Electrical Circuits Lab

Requirement for a batch of 30 students

Sl. No.	Name of the Equipment	Range / Spec	Quantity required	Quantity available	Deficiency %
1.	C.R.O	30MHZ	6	6	Nil
2.	D.C, Power Supply (regulated)	0-30 V	6	6	Nil
3.	Function Generator	Frequency: 1 MHZ Amplitude: Max volt: 20V Min volt: 20mV Waveforms: Sine, Square, triangular	6	6	Nil
4.	Digital Storage Oscilloscope	-	1	1	Nil

Faculty of Information and Communication Engineering
III Semester B. E. – Computer Science and Engineering (R2008)
CS 2207 – Digital Laboratory
Requirement for a batch of 30 students

S.No.	Description of Equipment	Quantity required	Quantity available	Deficiency %
1.	Dual power supply/ single mode power supply +12/-12V	15/30	15	Nil
2.	IC Trainer 10 bit	15	15	Nil
3.	Bread Boards	15	15	Nil
4.	Multimeter	5	5	Nil
5.	IC 7400	60	60	Nil
6.	IC7402	60	60	Nil
7.	IC 7404	60	74	Nil
8.	IC 7486	60	71	Nil
9.	IC 7408	60	60	Nil
10.	IC 7432	60	73	Nil
11.	IC 7483	60	60	Nil
12.	IC74150	60	60	Nil
13.	IC74151	40	40	Nil
14.	IC74147	40	40	Nil
15.	IC7445	40	40	Nil
16.	IC7476	40	40	Nil
17.	IC7491	40	40	Nil
18.	IC555	40	40	Nil
19.	IC7494	40	40	Nil
20.	IC7447	40	40	Nil
21.	IC74180	40	40	Nil
22.	IC7485	40	40	Nil
23.	IC7473	40	10	Nil
24.	IC74138	40	40	Nil
25.	IC7411	40	50	Nil

S.No.	Description of Equipment	Quantity required	Quantity available	Deficiency %
26.	IC7474	40	40	Nil
27.	Computer with HDL software	30	20	33
28.	Seven segment display	40	40	Nil
29.	Assembled LED board/LEDs	40/200	200	Nil
30.	Wires Single strand			

Faculty of Information and Communication Engineering

III Semester B. E. – Computer Science and Engineering (R2008)

CS 2208 – Data Structures Laboratory

Requirement for a batch of 30 students

S.No.	Description of Equipment	Quantity required	Quantity available	Deficiency %
1.	SOFTWARE REQUIRED TURBO C version 3 (or) GCC version 3.3.4	30	33	Nil
2.	OPERATING SYSTEM WINDOWS 2000 / XP / NT OR LINUX		✓	
3.	COMPUTERS REQUIRED (Minimum Requirement : Pentium III or Pentium IV with 256 RAM and 40 GB harddisk)	30 Nos.	30 Nos	Nil

Faculty of Information and Communication Engineering

III Semester B. E. – Computer Science and Engineering (R2008)

CS 2209 – Object Oriented Programming Laboratory

Requirement for a batch of 30 students

S.No.	Description of Equipment	Quantity required	Quantity available	Deficiency %
1.	Software – Turbo C (freeware) – to be installed in all PC's.		yes	
2.	Hardware a) PCs. <ul style="list-style-type: none">• Processor – 2.0 GHz or higher• RAM – 256 MB or higher• Hard disk – 20 GB or higher• OS- Windows 2000/ Windows XP/ NT	30 Nos	30 Nos	Nil

Faculty of Information and Communication Engineering

IV Semester B. E. – Computer Science and Engineering (R2008)

CS 2257 – Operating Systems Laboratory

Requirement for a batch of 30 students

S.No.	Description of Equipment	Quantity available	Deficiency %
1.	Software Ubuntu / OpenSUSE / Fedora / Red Hat / Debian / Mint OS Linux could be loaded in individual PCs. (OR) A single server could be loaded with Linux and connected from the individual PCs.	Available	Nil
2.	Hardware 30 PCs	30	Nil

Faculty of Information and Communication Engineering
IV Semester B. E. – Computer Science and Engineering (R2008)

CS 2258 – DBMS Lab

Requirement for a batch of 30 students

S.No.	Description of Equipment	Quantity available	Deficiency %
1.	Software Front end : VB/VC ++/JAVA Back end: Oracle 11g, my SQL, DB2 Platform: Windows 2000 Professional/XP Oracle server could be loaded and can be connected from individual PCs.	Campus pack	Nil
2.	Hardware 30 Personal Computers	30	Nil

Faculty of Information and Communication Engineering

IV Semester B. E. – Computer Science and Engineering (R2008)

CS 2259 – Microprocessor Lab

Requirement for a batch of 30 students

S.No.	Description of Equipment	Quantity Required	Quantity available	Deficiency %
1.	8085 Trainer Kit with onboard 8255, 8253, 8279 and 8251	15 nos.	15 nos	Nil
2.	TASM/MASM simulator in PC (8086 programs)	30 nos.	30 nos	Nil
3.	8051 trainer kit	15 nos.	15 nos	Nil
4.	Interfacing with 8086 – PC add-on cards with 8255, 8253, 8279 and 8251	15 nos	15 nos	Nil
5.	Stepper motor interfacing module	5 nos.	5 nos	Nil
6.	Traffic light controller interfacing module	5 nos.	5 nos	Nil
7.	ADC, DAC interfacing module	5 nos.	5 nos	Nil
8.	CRO's	5 nos.	5 nos	Nil

Faculty of Information and Communication Engineering

V Semester B. E. Computer Science and Engineering (R 2008)

CS 2305 – Networks Laboratory

Requirement for a batch of 30 students

S.No.	Description of Equipment	Quantity required	Quantity available	Deficiency %
1.	SOFTWARE ➤ C++ Compiler ➤ J2SDK (freeware) ➤ Linux ➤ NS2/Glomosim/OPNET (Freeware)	30	30	Nil
2.	Hardware ➤ PCs	30 Nos	30	Nil

Faculty of Information and Communication Engineering

V Semester B. E. Computer Science and Engineering (R 2008)

IT 2308 - System Software Laboratory

Requirement for a batch of 30 students

S.No.	Description of Equipment	Quantity required	Quantity available	Deficiency %
1.	Hardware – Pentium PC Desktops	30 Nos.	30 Nos	Nil
2.	Software – Turbo C (Freely download)	Multuser	Multuser	Nil

Faculty of Information and Communication Engineering

V Semester B. E. Computer Science and Engineering (R 2008)

CS2309 – Java Programming Laboratory

Requirement for a batch of 30 students

S. No.	Description of Equipment	Quantity Required	Quantity available	Deficiency %
3.	PC's	30	30	Nil
4.	JUM & J2SE (Freeware)	30	30	Nil
5.	MYSQL or any other DB	30	30	Nil

Faculty of Information and Communication Engineering
III Semester B. E. – Electronics and Communication Engineering
(R 2008)

EC 2207 – Digital Electronics Lab
Requirement for a batch of 30 students

Sl. No	Name of the equipments / Components	Quantity Required	Quantity available	Deficiency %
1	Digital IC Tester	2 Nos	1	50
2	Power Supply 5V DC	10	10	Nil
3	Multimeter Digital	10	10	Nil
4	Computer with HDL software Installed	2	2	Nil
Consumables (Minimum of 25 Nos. each)				
1	IC7400	25	25	Nil
2	IC7404	25	25	Nil
3	IC74682	25	25	Nil
4	IC7402	25	25	Nil
5	IC7408	25	25	Nil
6	IC7411	25	25	Nil
7	IC7432	25	25	Nil
8	IC7483	25	25	Nil
9	IC7485	25	25	Nil
10	IC7486	25	25	Nil
11	IC74150	25	25	Nil
12	IC74151	25	25	Nil
13	IC74147	25	25	Nil
14	IC7445	25	25	Nil
15	IC7474	25	25	Nil
16	IC7476	25	25	Nil
17	IC7491	25	25	Nil
18	IC7494	25	25	Nil
19	IC7447	25	25	Nil
20	IC74180	25	25	Nil

21	IC555	25	25	Nil
22	Seven Segment Display	25	25	Nil
23	LEDs	25	25	Nil
24	Bread Board	25	25	Nil
25	Wires		25	Nil

Faculty of Information and Communication Engineering
III Semester B. E. – Electronics and Communication Engineering
(R 2008)

EC 2208 – Electronic Circuits Lab I

Requirement for a batch of 30 students (3 per Batch)

S.No.	Description of Equipment	Quantity required	Quantity available	Deficiency %
1.	Variable DC Power Supply (0-30V)	8	8	Nil
2.	CRO 30MHz	10	10	Nil
3.	Multimeter Digital	6	6	Nil
4.	Function Generator 1 MHz	8	8	Nil
5.	DC Ammeter	10	10	Nil
6.	DC Voltmeter	10	10	Nil
Consumables (Minimum of 25 Nos. each)				
7.	BC107, BC147, BC 108, BC 148, BC547, BC 548, SL 100, SK100 or Equivalent transistors.		Available	Nil
8.	Resistors 1/4 Watt Assorted		Available	Nil
9.	Capacitors		Available	Nil
10.	Inductors		Available	Nil
11.	Diodes, Zener Diodes		Available	Nil
12.	Bread Boards		Available	Nil
13.	Transformers		Available	Nil

Faculty of Information and Communication Engineering
III Semester B. E. – Electronics and Communication Engineering
(R 2008)

EC 2209 – Data structures and Object Oriented Programming Lab

Requirement for a batch of 30 students

S.No.	Description of Equipment	Quantity required	Quantity available	Deficiency %
1.	P IV Computer Variable DC Power Supply	30 Nos	30 Nos	Nil
2.	C and C++ Compiler	30 Users	30 users	Nil

Faculty of Information and Communication Engineering

IV Semester B. E. – Electronics and Communication Engineering

(R 2008)

EC 2257 – Electronics circuits II and simulation lab

Requirement for a batch of 30 students

S.No.	Description of Equipment	Quantity required	Quantity available	Deficiency %
4.	Variable DC Power Supply (0-30V)	8	8	Nil
5.	Fixed Power Supply + / - 12V	4	4	Nil
6.	CRO 30MHz	6	6	Nil
7.	Multimeter Digital	6	6	Nil
8.	Multimeter Analog	2	2	Nil
9.	Function Generator 1 MHz	6	6	Nil
10.	Digital LCR Meter	1	1	Nil
11.	PC with SPICE Simulation Software	6	6	Nil
12.	BC 107,BF195, 2N2222, BC147	Consumables (Minimum of 25 Nos. each)	Available	Nil
13.	Resistors		25	Nil
14.	Capacitors		25	Nil
15.	Inductors		25	Nil
16.	Diodes , Zener Diodes		25	Nil
17.	Bread Boards		25	Nil

Faculty of Information and Communication Engineering

IV Semester B. E. – Electronics and Communication Engineering

(R 2008)

EC 2258 – Linear Integrated Circuit Lab

Requirement for a batch of 30 students

S.No.	Description of Equipment	Quantity required	Quantity available	Deficiency %
1.	Dual, (0-30V) variable Power Supply	10	10	Nil
2.	CRO 30MHz	9	9	Nil
3.	Digital Multimeter	10	10	Nil
4.	Function Generator 1 MHz	8	8	Nil
5.	IC Tester (Analog)	2	2	Nil
6.	Bread board	10	10	Nil
7.	Computer (PSPICE installed)	1	1	Nil
Consumables (Minimum of 25 Nos. each)				
1.	IC 741	25	25	Nil
2.	IC NE555	25	25	Nil
3.	LED	25	25	Nil
4.	LM317	25	25	Nil
5.	LM723	25	25	Nil
6.	ICSG3524 / SG3525	25	25	Nil
7.	Transistor – 2N3391	25	25	Nil
8.	Diodes, IN4001, BY126	25	25	Nil
9.	Zener diodes	25	25	Nil
10.	Potentiometer	-	-	Nil
11.	Step-down transformer 230V/12-0-12V	1	1	Nil
12.	Capacitor		25	Nil
13.	Resistors 1/4 Watt Assorted	25	25	Nil
14.	Single Strand Wire			Nil

Faculty of Information and Communication Engineering
IV Semester B. E. – Electronics and Communication Engineering (R 2008)
EC 2259 – Electrical Engineering and Control System Lab

Requirement for a batch of 30 students

Sl. No.	Apparatus	Range	Quantity	Quantity Available	Deficiency %
1. Open circuit and load characteristics of separately excited and self excited D.C. Generator.					
1	Motor Generator set	-	1	1	Nil
2	Rheostat	200Ω, 5A 175Ω, 1.5A	1 2	1	Nil
3	Voltmeter DC	300V 30V	1 1	2	Nil
4	Ammeter DC	30A 2A	1 2	2	Nil
5	DPST switch		2	1	Nil
6	Three point starter		1	1	Nil
7	Tachometer		1	1	Nil
2. Load test on D.C. shunt motor.					
1	DC Motor	-	1	1	Nil
2	Rheostat	175Ω, 1.5A	1	1	Nil
3	Voltmeter DC	300V	1	1	Nil
4	Ammeter DC	30A	1	1	Nil
5	DPST switch		1	1	Nil
6	Three point starter		1	1	Nil
7	Tachometer		1	1	Nil
3. Swinburne's test and speed control of D.C. shunt motor					
1	DC Motor	-	1	1	Nil
2	Rheostat	100Ω, 5A 175Ω, 1.5A	1 1	1	Nil
3	Voltmeter DC	300V	1	1	Nil
4	Ammeter DC	5A 2A	1 1	1	Nil
5	DPST switch		1	1	Nil

6	Tachometer		1	1	Nil
4. Load test on single-phase transformer and open circuit and short circuit test on single-phase transformer.					
1	Single phase Transformer	-	1	1	Nil
2	Wattmeter	300V, 5A,UPF 300V, 5A,LPF	1 1	1 1	Nil
3	Voltmeter AC	300V	2	2	Nil
4	Ammeter AC	5A 30A	1 1	1 1	Nil
5	Single phase auto-transformer		1	1	Nil
6	Resistive load		1	1	Nil
5. Regulation of three-phase alternator by EMF and MMF method.					
1	Motor Alternator set	-	1	1	Nil
2	Rheostat	200 Ω , 5A 175 Ω , 1.5A	1 1	1 1	Nil
3	Voltmeter DC Voltmeter AC	300V 600V	1 1	1 1	Nil
4	Ammeter DC Ammeter AC	2A 30A	1 1	1 1	Nil
5	DPST switch TPST switch		1 1	1 1	Nil
6	Tachometer		1	1	Nil
6. Load test on three phase Induction motor.					
1	Three Phase Induction Motor	-	1	1	Nil
2	Wattmeter	600V, 10A,UPF	2	1	Nil
3	Voltmeter AC	600V	1	1	Nil
4	Ammeter AC	10A	1	1	Nil
5	Brake drum arrangement			1	Nil
6	Star delta starter		1	1	Nil
7	Tachometer		1	1	Nil
7. No load and blocked rotor test on three-phase induction motor (Determination of equivalent circuit parameters)					
1	Three Phase Induction Motor	-	1	1	Nil
2	Wattmeter	600V, 10A,UPF	2	2	Nil

		600V, 5A,LPF	2	2	
3	Voltmeter AC	600V 150V	1 1	1 1	Nil
4	Ammeter AC	10A 5A	1 1	1 1	Nil
5	Brake drum arrangement				Nil
6	Three phase auto-transformer		1	1	Nil
8. Study of D.C. motor and Induction motor starters.					
1	Three point starter		1	1	Nil
2	Four point starter		1	1	Nil
3	Star-delta starter		1	1	Nil
4	DOL starter		1	1	Nil
5	Three phase auto-transformer		1	1	Nil
9.	Digital simulation of linear systems.	Simulink software	for minimum 3 users license	Available	Nil
10.	Stability analysis of linear system using Mat lab.	Matlab software	for minimum 3 users license	Avilable	Nil
11.	Study of effect of P, PI, PID controllers using Mat lab.	Matlab software	for minimum 3 users license	Available	Nil
12. Design of lead and lag compensator.					
1	Resistor			1	Nil
2	Capacitor			1	Nil
3	Function generator			1	Nil
4	Bread Board			1	Nil
13. Transfer function of separately excited D.C. generator.					
1	Motor Generator set	-	1	1	Nil
2	Rheostat	200 Ω , 5A 175 Ω , 1.5A	1 2	1 2	Nil
3	Voltmeter DC	300V 30V	1 1	1 1	Nil

4	Ammeter DC	30A 2A	1 2	1 2	Nil
5	DPST switch		2	2	Nil
6	Three point starter		1	1	Nil
7	Tachometer		1	1	Nil
14. Transfer function of armature and field controller D.C. motor.					
1	DC Motor	-	1	1	Nil
2	Rheostat	175Ω, 1.5A	1	1	Nil
3	Voltmeter DC	300V	1	1	Nil
4	Ammeter DC	30A	1	1	Nil
5	DPST switch		1	1	Nil
6	Three point starter		1	1	Nil
7	Tachometer		1	1	Nil

Faculty of Information and Communication Engineering
V Semester B. E. – Electronics and Communication Engineering
(R 2008)

EC2306 – Digital Signal Processing Laboratory

Requirement for a batch of 30 students

S.No.	Description of Equipment	Quantity required	Quantity available	Deficiency %
1.	PCs with Fixed / Floating point DSP Processors (Kit / Add-on Cards)	15 Units (2 students per system)	15	Nil
2.	<u>List of software required:</u> MATLAB with Simulink and Signal Processing Tool Box	10 Users license	10	Nil
3.	Function Generators (1MHz)	15	7	8
4.	CRO (20MHz)	15	7	8

Faculty of Information and Communication Engineering
V Semester B. E. – Electronics and Communication Engineering
(R 2008)

EC2307 – Communication Systems Laboratory
Requirement for a batch of 30 students

S.No.	Description of Equipment	Quantity required	Quantity available	Deficiency %
1.	CRO – 20 MHz	15	15	Nil
2.	Function Generator (1 MHz)	15	15	Nil
3.	Power Supply (0 - 30 Volts Variable) (IC Power supply)	15	15	Nil
4.	Bread Board	10	10	Nil
5.	AM Transceiver Kit	2	2	Nil
6.	FM Transceiver Kit	2	2	Nil
7.	PAM,PPM,PWM Trainer Kits	2	2	Nil
8.	PCM /DM/ ADM Trainer Kit	2	2	Nil
9.	Line Coding & Decoding Kit	2	2	Nil
10.	ASK,PSK,FSK,QPSK Trainer Kits	2	2	Nil
11.	Sampling & TDM trainer kit	2	2	Nil
12.	Mat lab (Communication tool box)	5 user license	5 user license	Nil
Consumables				
13.	IC 565,566,567,741	Minimum of 50 No. each	Available	Nil
14.	BC 107			
15.	BFW10			
16.	OA79			
17.	Resistors (Various ranges)			
18.	Capacitors (Various ranges)			
19.	Decade Inductance box			

Faculty of Information and Communication Engineering
V Semester B. E. – Electronics and Communication Engineering
(R 2008)

EC2356 – Microprocessor and Microcontroller Laboratory

Requirement for a batch of 30 students

S.No.	Description of Equipment	Quantity required	Quantity available	Deficiency %
1.	8086 Trainer	15 Nos.	15	Nil
2.	8051 Trainer	15 Nos.	15	Nil
3.	8255 Interfacing Card	3 Nos.	15	Nil
4.	8279 Interfacing Card	3 Nos.	15	Nil
5.	8259 Interfacing card	3 Nos.	15	Nil
6.	8251 Interfacing Card	3 Nos.	3	Nil
7.	ADC Interfacing card	3 Nos.	5	Nil
8.	DAC Interfacing Card	3 Nos.	5	Nil
9.	Stepper motor Interfacing card	3 Nos.	5	Nil
10.	DC motor Interfacing card	3 Nos.	3	Nil

Faculty of Electrical Engineering
III Semester B.E. – Electrical and Electronics Engineering (R 2008)
EE 2207 - Electronic Devices and Circuits Laboratory

Requirement for a batch of 30 students

S.No.	Description of Equipment	Quantity required	Quantity available	Deficiency %
1.	Regulated Power Supply	15	41	Nil
2.	Dual Trace CRO (20 MHz)	15	15	Nil
3.	Function Generator	15	15	Nil
4.	3 ^{1/2} Digit digital multimeter	10	21	Nil
5.	Bread Boards	40	40	Nil
6.	Transistor	25 Nos.	25	Nil
7.	JFET	10 Nos.	10	Nil
8.	Diode	10 Nos.	10	Nil
9.	Zener Diode	5 Nos.	10	Nil
10.	UJT	5 Nos.	5	Nil
11.	Photo Diode	5 Nos.	5	Nil
12.	Photo Transistor	5 Nos.	5	Nil
13.	Thermistors	5 Nos.	5	Nil
14.	OP-amp	10 Nos.	10	Nil
15.	Milli Ammeter (0-100mA)	15 Nos.	15	Nil
16.	Micro Ammeter (0-50μA)	10 Nos.	10	Nil
17.	Low range voltmeter (0-30V)	10 Nos.	10	Nil
18.	Resistor of various ranges	50 Nos.	50	Nil
19.	Capacitors of various ranges	50 Nos.	50	Nil
20.	Connecting wires	Sufficient Nos	Available	Nil

Faculty of Electrical Engineering

III Semester B.E. – Electrical and Electronics Engineering (R 2008)

EE 2208 - Measurements & Instrumentation Laboratory

Requirement for a batch of 30 students

Sl. No.	Description of Equipment	Quantity required	Quantity available	Deficiency %
1.	LVDT kit	1 No.	1	Nil
2.	Multimeter	8 No.	10	Nil
3.	Bourdon pressure transducer kit	1 No.	1	Nil
4.	Foot pump	1 No.	1	Nil
5.	Voltmeter	4 No.	4	Nil
6.	Maxwell's inductance Capacitance Bridge kit	1 No.	1	Nil
7.	Unknown Inductance	1 No.	1	Nil
8.	Schering Bridge kit	1 No.	1	Nil
9.	Unknown capacitance	1 No.	1	Nil
10.	Wheat stone Bridge kit	1 No.	1	Nil
11.	Unknown resistance	1 No.	1	Nil
12.	Kelvin Double bridge kit	1 No.	1	Nil
13.	Unknown resistance	1 No.	1	Nil
14.	Operational Amplifier	1 No.	1	Nil
15.	Resistors	3 No.	3	Nil
16.	RPS	4 No.	4	Nil
17.	IC 741	2 No.	2	Nil
18.	DC trainer kit	2 No.	2	Nil
19.	CRO	2 No.	2	Nil
20.	Resistance	1 No.	1	Nil
21.	Capacitance	1 No.	1	Nil
22.	Energy meter	1 No.	1	Nil
23.	Wattmeter	2 No.	2	Nil
24.	Stop watch	1 No.	1	Nil
25.	M.I Ammeter	2 No.	2	Nil
26.	M.I Voltmeter	2 No.	2	Nil
27.	Current Transformer	1 No.	1	Nil
28.	Lamp Load	1 No.	1	Nil

Sl. No.	Description of Equipment	Quantity required	Quantity available	Deficiency %
29.	Ammeter	2 No.	2	Nil
30.	3 phase Auto transformer	1 No.	1	Nil
31.	Maxwell bridge set up	1 No.	1	Nil
32.	Ring specimen	1 No.	1	Nil
33.	Galvanometer	1 No.	1	Nil

Faculty of Electrical Engineering

III Semester B.E. – Electrical and Electronics Engineering (R 2008)

EE 2209 - Data Structures and Algorithms Laboratory

Requirement for a batch of 30 students

S.No.	Description of Equipment	Quantity required	Quantity available	Deficiency %
	Hardware Required			
1.	Computer (Pentium 4)	40 Nos with one server	40 Nos	Nil
2.	Dot matrix printer	3 Nos	3 Nos	Nil
3.	Laser Printer	2 Nos	2 Nos	Nil
4.	UPS (5 KVA)	2	2	Nil
	Software Required			
5.	Turbo C	40 Nodes	40 Nodes	Nil

Faculty of Electrical Engineering

IV Semester B.E. – Electrical and Electronics Engineering (R 2008)

EE 2257 - Control Systems Laboratory

Requirement for a batch of 30 students

S.No.	Description of Equipment	Quantity required	Quantity available	Deficiency %
1.	DC servo motor Tachometer Multimeter Stop watch	field separately excited – loading facility – variable voltage source - 1 No 1 No 2 Nos 1 No	1 1 2 1	Nil
2.	AC Servo Motor Tachometer Stopwatch Voltmeter	Minimum of 100w – necessary sources for main winding and control winding – 1 No 1 No 1 No 1 No	1 1 1 1	Nil
3.	Rigged up models of type-0 and type-1 system using analog components Variable frequency square wave generator and a normal CRO (Or) DC source and storage Oscilloscope	- 1 No	1 1	Nil
4.	DC Generator Tachometer Various meters Stop watch		1 1 1 1	Nil
5.	DC Motor Tachometer Various meters Stop watch		1 1 1 1	Nil
6.	System with MATLAB / MATHCAD (or) equivalent software	minimum 3 user license	4	Nil

S.No.	Description of Equipment	Quantity required	Quantity available	Deficiency %
7.	AC and DC position control kit with DC servo motor Power transistor Adder		1 1 1 1	Nil
8.	Stepping Motor Microprocessor kit Interfacing card Power supply		Available	Nil
9.	System with MATLAB / MATHCAD (or) other equivalent software	minimum 3 user license	Available	Nil
10.	System with MATLAB / MATHCAD / equivalent software	Minimum 3 user license	Available	Nil

Faculty of Electrical Engineering

IV Semester B.E. – Electrical and Electronics Engineering (R 2008)

EE 2258 - Linear and Digital Integrated Circuits Laboratory

Requirement for a batch of 30 students

S.No.	Description of Equipment	Quantity required	Quantity available	Deficiency %
1.	Interface such as, A/D, D/A converter, DMA, PIC Serial, Interface, Temperatures controller, Stepper motor, Key board	4 each	4 each	Nil
2.	CRO and function generator	3 each	3	Nil
3.	IC trainer Kit	15	15	Nil
4.	Analog AC trainer kit	4	4	Nil
5.	Components and bread boards	10 each	10	Nil
6.	Chips IC – 7400	10	10	Nil
7.	Chips IC – 7402	10	10	Nil
8.	Chips IC – 7408	10	10	Nil
9.	Chips IC – 7432	10	10	Nil
10.	Chips IC – 7410	25	25	Nil
11.	Chips IC – 555	10	10	Nil
12.	Chips IC – 741	10	10	Nil
13.	Chips IC – 74153	10	10	Nil
14.	Chips IC – 7474	10	10	Nil
15.	Chips IC – 7490	10	10	Nil
16.	Chips IC – 7447	10	10	Nil
17.	Chips IC – 7476	10	10	Nil
18.	Chips IC – 7420	10	10	Nil

S.No.	Description of Equipment	Quantity required	Quantity available	Deficiency %
19.	Chips IC – 7404	15	15	Nil
20.	Chips LM – 317	10	10	Nil
21.	Chips LM – 723	10	10	Nil
22.	Chips MA – 7840	10	10	Nil
23.	Chips LM – 380	10	10	Nil
24.	Chips ICL - 8038	10	10	Nil
25.	Traffic light control kit	2	2	Nil
26.	VDU	2	2	Nil
27.	7 segment Display	5	5	Nil
28.	Interfacing card such as keyboard etc.	3 each	3	Nil
29.	Work tables	15	15	Nil

Faculty of Electrical Engineering

IV Semester B.E. – Electrical and Electronics Engineering (R 2008)

EE 2259 - Electrical Machines Laboratory – I

Requirement for a batch of 30 students

S.No.	Description of Equipment	Quantity required	Quantity available	Deficiency %
3.	D.C motor – Generator set D.C motor – Shunt Generator D.C motor – Compound Generator	2 set 2 set	2 2	Nil
4.	D.C. Shunt Motor	2 Nos.	1	Nil
5.	D.C. Series Motor	1 No.	1	Nil
6.	D.C. Compound Motor	1 No.	1	Nil
7.	Single phase transformers	7 Nos.	7	Nil
8.	Three phase transformers	2 Nos.	2	Nil
9.	D.C. Motor – Alternator set	4 sets	4	Nil
10.	Three phase Induction Motor (Squirrel cage)	3 Nos.	3	Nil
11.	Three phase slip ring Induction Motor	1 No.	1	Nil
12.	Single phase Induction Motor	2 Nos.	2	Nil
13.	Resistive load 3 phase – 2 , single phase - 3	5 Nos.	5	Nil
14.	Inductive load	1 No.	1	Nil
15.	Single phase Auto transformer	5 Nos.	5	Nil
16.	Three phase Auto transformer	3 Nos.	3	Nil
17.	Moving Coil Ammeter of different ranges	20 Nos.	20	Nil
18.	Moving Coil Voltmeter of different ranges	20 Nos.	20	Nil
19.	Moving Iron Ammeter of different ranges	20 Nos.	20	Nil
20.	Moving Iron voltmeter of different ranges	20 Nos.	20	Nil
21.	Wire wound Rheostats of different ratings	30 Nos.	30	Nil
22.	Tachometers	10 Nos.	10	Nil
23.	Single element wattmeters of different ranges UPF / LPF	20 Nos.	20	Nil
24.	Double element wattmeters of different ranges	4 Nos.	4	Nil
25.	Power factor meter	2 Nos.	2	Nil
26.	Digital multimeter	5 Nos.	10	Nil
27.	Three point starter, four point starter,DOL starter, manual star / delta starter, semi automatic and fully automatic star / delta starter	1 No each for study experiment	Available	Nil

V Semester B. E. – Electrical and Electronics Engineering (R 2008)

EE2305 – Electrical Machines II Laboratory

Requirement for a batch of 30 students

S.No.	Description of Equipment	Quantity required	Quantity available	Deficiency %
1.	DC shunt motor coupled three phase alternator	2	2	Nil
2.	Synchronous motor coupled to DC motor	1	1	Nil
3.	Three phase induction motors- Squirrel cage Slip ring	2 1	2 1	Nil
4.	DC Shunt motor coupled salient pole three phase alternator	1	1	Nil
5.	Single phase induction motors	2	2	Nil
6.	Air core inductor to do ZPF	1	1	Nil
7.	Starter- Three phase induction motor starters Single phase induction motor starters	1 1	1 1	Nil
8.	Meters- Voltmeter (AC) Ammeter (AC) Wattmeter (lpf) Wattmeter (upf)	15 15 15 30	15 15 15 30	Nil
9.	Single phase auto transformer	2	2	Nil
10.	Three phase auto transformer	4	4	Nil
11.	Rheostats of various range	30	30	Nil
12.	DC panel boards (220V, 36V)	1 each	1 each	Nil
13.	AC panel board	1	1	Nil
14.	Work tables	12	12	Nil

Faculty of Electrical Engineering
V Semester B. E. – Electrical and Electronics Engineering (R 2008)
EE2305 – Power Electronics Laboratory
Requirement for a batch of 30 students

S.No.	Description of Equipment	Quantity required	Quantity available	Deficiency %
1.	Device characteristics (for SCR, MOSFET, TRIAC and IGBT) kit with built in power supply & meters	2 each	2 each	Nil
2.	SCR firing circuit module	2	2	Nil
3.	Single phase SCR based ½ controlled converter & fully controlled converter along with built-in / separate / firing circuit / module and meter	2 each	2	Nil
4.	MOSFET based step up and step down choppers	1 each	2	Nil
5.	IGBT based single phase PWM inverter module	2	2	Nil
6.	IGBT based three phase PWM inverter module	2	2	Nil
7.	IGBT based high switching frequency chopper module with built-in controller	2	2	Nil
8.	Resonant DC-DC converter module with built in power supply and controller	2	2	Nil
9.	SCR & TRIAC based 1 phase A.C.phase controller along with lamp or rheostat load	4	4	Nil
10.	SCR based V/I commuted chopper module with relevant firing module (separate or built-in)	4	4	Nil
11.	Dual regulated DC power supply with common ground	4	4	Nil
12.	Cathode Ray Oscilloscope	5	5	Nil
13.	Isolation Transformer	5	5	Nil
14.	Single phase Auto transformer	3	3	Nil
15.	Components (Inductance, Capacitance)	3 sets for each	4	Nil

S.No.	Description of Equipment	Quantity required	Quantity available	Deficiency %
16.	Multi meter	5	6	Nil
17.	LCR meter	3	3	Nil
18.	Rheostats of various ranges	2 sets of 10 value	2	Nil
19.	Work tables	12	12	Nil
20.	DC and AC metes of required ranges	20	20	Nil

Faculty of Electrical Engineering
V Semester B. E. – Electrical and Electronics Engineering
(R 2008)

CS2312 – Object Oriented Programming Laboratory
Requirement for a batch of 30 students

S.No.	Description of Equipment	Quantity required	Quantity available	Deficiency %
	Hardware Required			
1.	Computer(Pentium 4)	40 Nos. with one server	40	Nil
2.	Dot matrix printer	3 Nos	3	Nil
3.	Laser Printer	2 Nos	2	Nil
4.	UPS (5 KVA)	2	2	Nil
	Software Required			Nil
5.	Turbo C ++	40 Nodes	40 Nodes	Nil
6.	(Java 2 SDK) JDK 5.0 update 6 (1.5.0-Internal Version No.)	40 Nos	40 Nos	Nil

Faculty of Electrical Engineering

V Semester B.E. - Electrical and Electronics Engineering (R 2008)

GE2321 Communication Skills Laboratory

Requirement for a batch of 60 students

Sl.No.	Description of Equipment	Quantity required	Quantity available	Deficiency %
1.	Server	1 No.	1 No	Nil
	o PIV system			
	o 1 GB RAM / 40 GB HDD			
	o OS: Win 2000 server			
	o Audio card with headphones (with mike)			
o JRE 1.3				
2.	Client Systems	60 No.	60 No	Nil
	o PIII or above			
	o 256 or 512 MB RAM /40 GB HDD			
	o OS: Win 2000			
	o Audio card with headphones (with mike)			
o JRE 1.3				
3.	Softwares			
	a) Interactive Teacher Control Software	Available		
	b) English Language Lab Software	Available		
	c) Career Lab software	Available		
4.	Handicam Video Camera (with video lights and mic input)	1 No.	1	Nil
5.	Television - 29"	1 No.	1	Nil
6.	Collar mike	1 No.	1	Nil
7.	Cordless mikes	1 No.	1	Nil
8.	Audio Mixer	1 No.	1	Nil
9.	DVD Recorder / Player	1 No.	1	Nil
10.	LCD Projector with MP3 /CD /DVD provision for audio / video facility - Desirable	1 No.	Available	

Faculty of Mechanical Engineering

III Semester B. E. – Mechanical Engineering (R2008)

ME 2207 – Manufacturing Technology Lab – I

Requirement for a batch of 30 students

S.No.	Description of Equipment	Quantity required	Quantity available	Deficiency %
1.	<i>Centre Lathe with accessories</i>	15	10	33
2.	<i>Welding</i>			
2.1	Arc welding machine	04	05	Nil
2.2	Gas welding machine	01	Nil	Nil
2.3	Brazing machine	01	Nil	
3.	<i>Sheet Metal Work facility</i>			
3.1	Hand Shear 300mm	01	01	Nil
3.2	Bench vice	05	06	Nil
3.3	Standard tools and calipers for sheet metal work	05	05	Nil
4	Sand moulding Facility			
4.1	Moulding Table	05	05	Nil
4.2	Moulding boxes, tools and patterns	05	05	Nil
5	Plastic Moulding			
5.1	Injection Moulding Machine	01	01	Nil

Faculty of Mechanical Engineering

III Semester B. E. – Mechanical Engineering (R2008)

ME 2208 - Fluid Mechanics and Machinery Lab

Requirement for a batch of 30 students

S.No.	Description of Equipment	Quantity required	Quantity available	Deficiency %
28.	Orifice meter setup	1 No.	1	Nil
29.	Venturi meter setup	1 No.	1	Nil
30.	Rotameter setup	1 No.	1	Nil
31.	Pipe Flow analysis setup	1 No.	1	Nil
32.	Centrifugal pump/submergible pump setup	1 No.	1	Nil
33.	Reciprocating pump setup	1 No.	1	Nil
34.	Gear pump setup	1 No.	1	Nil
35.	Pelton wheel setup	1 No.	1	Nil
36.	Francis turbine setup	1 No.	1	Nil
37.	Kaplan turbine setup	1 No.	1	Nil

Faculty of Mechanical Engineering

III Semester B. E. – Mechanical Engineering (R2008)

ME 2209 - Electrical Engineering Laboratory

Requirement for a batch of 30 students

S.No.	Description of Equipment	Quantity required	Quantity available	Deficiency %
1.	DC Shunt motor	2	2	Nil
2.	DC Series motor	1	1	Nil
3.	DC shunt motor-DC Shunt Generator set	1	1	Nil
4.	DC Shunt motor-DC Series Generator set	1	1	Nil
5.	Single phase transformer	2	2	Nil
6.	Three phase alternator	2	2	Nil
7.	Three phase synchronous motor	1	1	Nil
8.	Three phase Squirrel cage Induction motor	1	3	Nil
9.	Three phase Slip ring Induction motor	1	1	Nil
10.	Single phase Induction motor	1	2	Nil

Faculty of Mechanical Engineering

IV Semester B. E. – Mechanical Engineering (R2008)

ME 2256 - Strength of Materials Lab

Requirement for a batch of 30 students

S.No.	Description of Equipment	Quantity required	Quantity available	Deficiency %
11.	Universal Tensile Testing machine with double shear attachment – 40 Ton Capacity	1	1	Nil
12.	Torsion Testing Machine (60 NM Capacity)	1	1	Nil
13.	Impact Testing Machine (300 J Capacity)	1	1	Nil
14.	Brinell Hardness Testing Machine	1	1	Nil
15.	Rockwell Hardness Testing Machine	1	1	Nil
16.	Spring Testing Machine for tensile and compressive loads (2500 N)	1	1	Nil
17.	Metallurgical Microscopes	3	1	
18.	Muffle Furnace (800 °C)	1	1	Nil

Faculty of Mechanical Engineering

IV Semester B. E. – Mechanical Engineering (R2008)

ME 2257 - Computer Aided Machine Drawing Lab

Requirement for a batch of 30 students

S. No.	Description of Equipment	Quantity required	Quantity available	Deficiency %
1.	Computer Systems 17" Graphics Terminal Pentium IV Processor 80 GB HDD 512 MB RAM Advanced graphics accelerator	30 Nos.	30 Nos	Nil
2.	Laser Printer	01	01	Nil
3.	Plotter (A2 Size)	01	Nil	100
4.	Software 30 seats of latest/recent versions of AutoCAD/CATIA/SOLIDWORKS/SOLID EDGE/NX/PRO- E/COLLABCAD or equivalent software			

Faculty of Mechanical Engineering

IV Semester B. E. – Mechanical Engineering (R2008)

ME 2258 - Manufacturing Technology Lab II

Requirement for a batch of 30 students

S.No.	Description of Equipment	Quantity required	Quantity available	Deficiency %
1.	Centre Lathes	2 Nos	02	Nil
2.	Turret and Capstan Lathes	1 No each	01	Nil
3.	Horizontal Milling Machine	1 No	01	Nil
4.	Vertical Milling Machine	1 No	01	Nil
5.	Surface Grinding Machine	1 No	01	Nil
6.	Cylindrical Grinding Machine	1 No.	Nil	100
7.	Shaper	2 Nos	02	Nil
8.	Slotter	1 No.	01	Nil
9.	Planner	1 No.	Nil	100
10.	Radial Drilling Machine	1 No.	01	Nil
11.	Tool Dynamometer	1 No	01	Nil
12.	Gear Hobbing Machine	1 No	Nil	100
13.	Tool Makers Microscope	1 No	01	Nil

Faculty of Mechanical Engineering
V Semester B. E. Mechanical Engineering (R2008)
ME 2306 – Thermal Engineering Laboratory – I
 (Requirement for a batch of 30 students)

S.No.	Description of Equipment	Quantity Required	Quantity available	Deficiency in %
1.	I.C Engine – 2 stroke and 4 stroke model	1 Set	1 Set	Nil
2.	Red Wood Viscometer	1 No.	1 No.	Nil
3.	Apparatus for Flash and Fire Point	1 No.	1 No.	Nil
4.	4-stroke Diesel Engine with mechanical loading.	1 No.	1 No.	Nil
5.	4-stroke Diesel Engine with hydraulic loading.	1 No.	1 No.	Nil
6.	4-stroke Diesel Engine with electrical loading.	1 No.	1 No.	Nil
7.	Multi-cylinder Petrol Engine	1 No.	1 No.	Nil
8.	Single cylinder Petrol Engine	1 No.	1 No.	Nil
9.	Data Acquisition system with any one of the above engines	1 No.	1 No.	Nil
10.	Steam Boiler with turbine setup	1 No.	Nil	100%

Faculty of Mechanical Engineering
V Semester B. E. Mechanical Engineering (R2008)
ME 2307 – Dynamics Laboratory – I
 (Requirement for a batch of 30 students)

S.No.	Description of Equipment	Quantity Required	Quantity available	Deficiency in %
1.	Cam analyzer.	1 No.	1 No.	Nil
2.	Motorised gyroscope.	1 No.	1 No.	Nil
3.	Governor apparatus - Watt, Porter, Proell and Hartnell governors.	1 No.	1 No.	Nil
4.	Whirling of shaft apparatus.	1 No.	1 No.	Nil
5.	Dynamic balancing machine.	1 No.	1 No.	Nil
6.	Static and dynamic balancing machine.	1 No.	1 No.	Nil
7.	Vibrating table	1 No.	1 No.	Nil
8.	Vibration test facilities apparatus	1 No.	1 No.	Nil
9.	Gear Model	1 No.	1 No.	Nil
10.	Kinematic Models to study various mechanisms	1 No.	1 No.	Nil

Faculty of Mechanical Engineering
V Semester B. E. Mechanical Engineering (R2008)
ME 2308 – Metrology and Measurement Laboratory
 (Requirement for a batch of 30 students)

S.No.	Description of Equipment	Quantity Required	Quantity available	Deficiency in %
1.	Micrometer	5	5	Nil
2.	Vernier Caliper	5	5	Nil
3.	Vernier Height Gauge	2	2	Nil
4.	Vernier depth Gauge	2	2	Nil
5.	Slip Gauge Set	1	1	Nil
6.	Gear Tooth Vernier	1	1	Nil
7.	Sine Bar	1	1	Nil
8.	Sine Center	1	1	Nil
9.	Bevel Protractor	1	1	Nil
10.	Floating Carriage Micrometer	1	1	Nil
11.	Profile Projector / Tool Makers Microscope	1	1	Nil
12.	Mechanical / Electrical / Pneumatic Comparator	1	1	Nil
13.	Autocollimator	1	1	Nil
14.	Temperature Measuring Setup	1	1	Nil
15.	Displacement Measuring Setup	1	1	Nil
16.	Force Measuring Setup	1	1	Nil
17.	Torque Measuring Setup	1	1	Nil
18.	Vibration / Shock Measuring Setup	1	1	Nil

Faculty of Mechanical Engineering
V Semester B. E. Mechanical Engineering (R2008)
ME 2309 – CAD/CAM Laboratory
 (Requirement for a batch of 30 students)

S.No.	Description of Equipment	Quantity Required	Quantity available	Deficiency in %
HARDWARE				
1.	Computer Server	1	1	Nil
2.	Computer nodes or systems (High end CPU with atleast 1 GB main memory) networked to the server	30	30	Nil
3.	A3 size plotter	1	Nil	100%
4.	Laser Printer	1	1	Nil
5.	Trainer CNC Lathe	1	1	Nil
6.	Trainer CNC milling	1	1	Nil
SOFTWARE				
7.	CAD/CAM software (Pro-E or IDEAS or Unigraphics or CATIA)	15 licenses	15 license	Nil
8.	CAM Software (CNC Programming and tool path simulation for FANUC /Sinumeric and Heiden controller)	15 licenses	15 licenses	Nil
9.	Licensed operating system	Adequate	Adequate	Nil

ANNEXURE - III

Vi INSTITUTE OF TECHNOLOGY LIBRARY

CONSOLIDATED LIST OF BOOKS AND JOURNALS

S.No.	Degree	Programme	Books		Journals	
			Title	Volume	National	International
1	B.E	Computer Science Engineering	360	1420	8	6
2	B.E	Electronics & Communication Engineering	478	1966	6	6
3	B.E	Electrical & Electronics Engineering	352	1412	7	6
4	B.E	Mechanical Engineering	422	1945	7	6
5		Science & Humanities	358	1447	7	
Total			1970	8190	35	24

Vi INSTITUTE OF TECHNOLOGY LIBRARY

LIST OF JOURNALS

COMPUTER SCIENCE ENGINEERING	
NATIONAL JOURNAL	
1	JOURNAL OF SOFTWARE ENGINEERING
2	JOURNAL OF ADVANCED RESEARCH IN COMPUTER ENGINEERING
3	JOURNAL OF COMPUTER SCIENCE
4	JOURNAL OF HYBRID COMPUTING RESEARCH
5	JOURNAL OF THE COMPUTER SOCIETY OF INDIA
6	INTERNATIONAL JOURNAL OF COMPUTER SCIENCE AND SYSTEM ANALYSIS
7	LINUX FOR YOU
8	TAMIL COMPUTER
INTERNATIONAL JOURNAL	
1	IEEE TRANS. ON FUZZY SYSTEMS
2	IEEE/ACM TRANS. ON NETWORKING
3	IEEE TRANS. ON SOFTWARE ENGINEERING
4	IEEE TRANS. ON COMPUTATIONAL INTELLIGENCE
5	IEEE TRANS. ON CIRCUITS AND SYSTEMS, PART - I
6	IEEE TRANS. ON PROFESSIONAL COMMUNICATION
ELECTRONIC AND COMMUNICATION ENGINEERING	
NATIONAL JOURNAL	
1	ELECTRONICS INFORMATION & PLANNING
2	INTERNATIONAL JOURNAL OF ELECTRONICS ENGINEERING
3	IETE JOURNAL REVIEW
4	IETE TECHNICAL REVIEW
5	IEEMA JOURNAL
6	INTNL. JOURNAL OF COMMUNICATION
INTERNATIONAL JOURNAL	
1	IEEE TRANS. ON INDUSTRIAL INFORMATICS
2	IEEE TRANS. ON CONSUMER ELECTRONICS
3	IEEE TRANS. ON INSTRUMENTATION AND MEASUREMENT
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