Mandatory Disclosure

Mandatory Disclosure updated as on   30-01-2017

AICTE File No	F.No. South-West/1-2811958604/2016/EOA
Date & Period of last approval	25/4/2016,2 016-17

10. 2.

Name of the Institution	Rajagiri School of Engineering & Technology
Address of the Institution	Rajagiri School of Engineering & Technology, Rajagiri Valley, RajagiriValley P. O Kochi-39, Kerala.
City & Pin Code	Ernakulam, Pin-682 039
State / UT	Kerala State
Longitude & Latitude	Longitude-76.3576, Latitude-9.9932

Phone number with STD code	0484 2427835 ,0484 2660999
FAX number with STD code	0484 2426241
Office hours at the Institution	8.30A.M -4.30 P.M
Academic hours at the Institution	8.30A.M -4.30 P.M
Email	office@rajagiritech.ac.in
Website	www.rajagiritech.ac.in
Nearest Railway Station(dist in Km)	Ernakulam Town (Distance 15 kms)
Nearest Airport (dist in Km)	Cochin International Airport (25 kms)

10.3.

Type of Institution	Private-Self Financing
Category (1) of the Institution	Minority-Religious Type
Category (2) of the Institution	Co-Education

10.4.

Name of the organization running the Institution	Rajagiri Educational & Charitable Trust
Type of the organization	Trust
Address of the organization	S.H.Province, Rajagiri P.O Kalamassery,Ernakulam,Pin-683104
Registered with	Government of Kerala
Registration Date	29.9.1994
Website of the organization	www.shprovince.org

10.5.

Name of the affiliating University	Mahatma Gandhi University
Address	Priyadarshini Hills P.O, Kottayam, Kerala
Website	www.mgu.ac.in
Latest affiliation period	2015-16
Name of the affiliating University	APJ ABDUL KALAM KERALA TECHNOLOGICAL UNIVERSITY
Address	CET Campus, Thiruvananthapuram Kerala -695016
Website	www.ktu.edu.in
Latest affiliation period	2016-17

10.6.

Name of Principal/Director	Dr. A. Unnikrishnan
Exact Designation	Principal
Phone number with STD code	0484- 2427160
FAX number with STD code	0484-2426241
Email	principal@rajagiritech.ac.in
Highest Degree	Ph.D.
Field of Specialization	Electrical Engineering

10.7

Governing Board Members	1. Rev. Dr. Jose Cletus Plackal CMI, (*Chairperson*), *Provincial, Sacred Heart Province, & Manager, RSET* 2. Rev.Dr. George Peter Pittappillil CMI, (*Educational Secretary, CMI S H Province*) 3. Rev. Fr. Jose Alex Oruthayappilly CMI, (*Director, RSET)* 4. Rev. Fr. John Therezhath CMI, (*Administrator, RSET)* 5. Regional Officer, SWRC of AICTE, Bangalore (*Ex officio*)

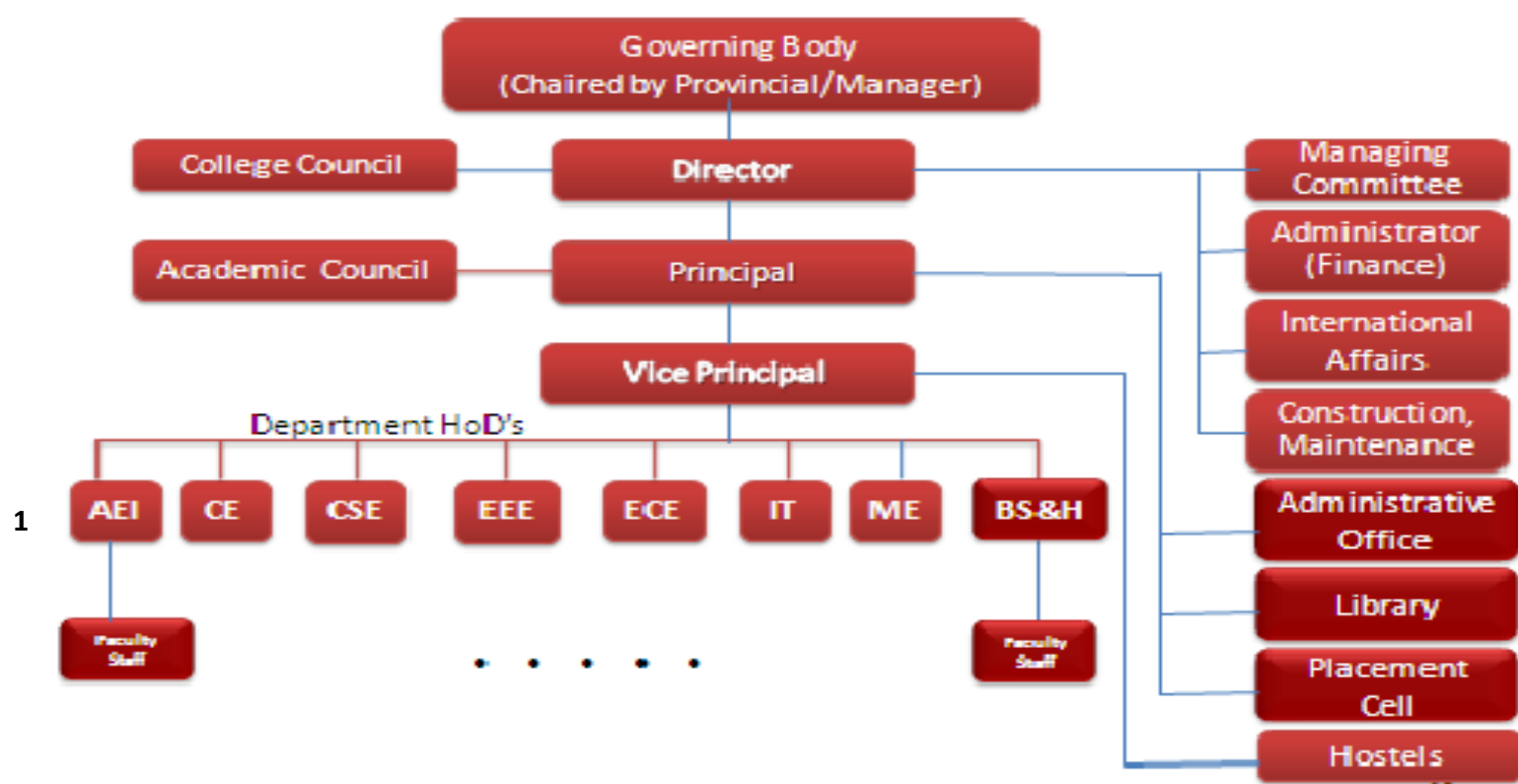|	
	6. Director of Technical Education, Government of Kerala (*Ex officio*)
	7. Prof. Dr. M. S. Ananth,(*Former Director, IIT Madras*)
	8. Dr.M.C.Dileep Kumar, (*Vice-Chancellor, Sree Sankaracharya University of Sanskrit, Kalady*).
	9. Mr. George Varghese F.C.A.,(*Financial consultant*)
	10. Shri. James Paul, (*Retd Chief Engineer, Govt of Kerala, Chief Consultant of Constructions*)
	11. Shri. N. Jehangir, (*Vice Chairman & Managing Director, NeST group of companies*)
	12. Dr. John M. George, (*Vice Principal, RSET*)
	13. Fr.Dr.Jaison Paul Mulerickal CMI(*Representative of the CMI priests working in RSET*)
	14. Dr. Joseph I. Injodey, (*Executive Director Rajagiri College of Social Sciences*)
	15. Adv. Jose Kannamthanam, (*Senior Counsel, High Court of Kerala*)
	16. Prof. M. L. Kothari*,* FNAE (*Former Professor, IIT Delhi*)
	17. Dr. K. Poulose Jacob (*Pro Vice Chancellor, CUSAT)*
	18. Prof.S.C.Sahasrabudhe(*Former Director,DA-IICT*)
	19. Dr. A. Unnikrishnan (Secretary), *Principal, RSET*
	20. Shri. Venugopal C. Govind F.C.A., (*Managing Partner, Varma & Varma, Chartered Accountants*)
	21. Dr. Vinod Kumar P.B.(*Professor, RSET*)
Frequency of meetings & date of last meeting	Once in every year. 30th January, 2016

10.8

Academic Advisory Body	1. Rev. Fr. Jose Alex CMI - Patron
	2. Dr. A. Unnikrishnan – *Principal* – Chairperson
	3. Dr. John M.George – Dean & Vice Principal
	4. Dr. Vinod Kumar P.B. – *Secretary of the College Council*
	5. Fr. Joseph Mathew CMI
	6. Fr. Thomas P.J. CMI
	7. Fr. Mejo Paul CMI
	8. Ms. Liza Annie Joseph (HOD, DEI)
	9. Prof. Dominic Mathew
	10. Ms. Shanmuga Priya M.
	11. Mr. Jobin K.Antony (HOD, DEC)
	12. Ms.Rithu James
	13. Ms. Harsha A.
	14. Mr. Anoop Thomas
	15. Ms. Swapna Davies

	16. Ms. Shimmi Asokan (HOD, DCS)
	17. Mr. Ajith S.
	18. Ms. Mary Priya Sebastian
	19. Mr. Biju Abraham
	20. Prof.K.S.Mathew
	21. Ms. Santhi B. (HOD, DEE)
	22. Ms. Jayasri R. Nair
	23. Dr.Unnikrishnan P.C.
	24. Mr. Binu A. (HOD, DIT)
	25. Prof. Kuttyamma A.J.
	26. Ms. Divya James
	27. Dr Thankachan T. Pullan (HOD, DME)
	28. Dr. Manoj G. Tharian
	29. Mr. Sidheek P.A.
	30. Mr. K. Uday Sankar
	31. Dr.Ruby Abraham (HOD, DCE)
	32. Prof.K.A.Ouseph
	33. Ms.Aysha Zeneeb Majeed

	34. Dr. Antony V. Varghese (HOD, DBSH)
	35. Mr. Jose Antony
	36. Dr. Sonia Paul (Secretary)
Frequency of meetings & date of last meeting	Meetings are held regularly to discuss various policy and academic matters relating to the institution

Governing Body (Chaired by Provincial/Manager)

College Council — Director — Managing Committee
Academic Council — Principal — Administrator (Finance)
— International Affairs
— Construction, Maintenance

Vice Principal

Department HoD's

AEI | CE | CSE | EEE | ECE | IT | ME | BS&H

Faculty Staff

Faculty Staff

Administrative Office
Library
Placement Cell
Hostels

1

10.10   .

Student feedback mechanism on Institutional Governance / Faculty Performance	Yes, Available

10.11

Grievance Redressal mechanism for faculty, staff and students	Available

10.12.

UG-B.Tech						PG-M.Tech				
Year	Branch	1st Year of approval by the Council	Year wise sanctioned intake	Year wise Actual admissions	Cut off marks- General quota	Specialization	1st Year of approval by the Council	Year wise sanctioned intake	Year wise Actual admissions	Cut off mark s- General quota
2016-17	AEI	2001	60+12*	55	Admission	AE(Signal Processing)	2010	18	8	50% of the
	CE	2013	60+12*	71	Will be on the basis of					M.Tech. seats

	CSE	2001	180+36*	212	merit only by adding marks obtained in the entrance examination conducted by State Commissioner for entrance examinations And the marks obtained for Maths,Physics,Chemistry/ equivalent in the qualifying examination. The marks will be apportioned in the ratio 50:50	CSE Computer science &Information system)	2009	24	22	will be filled by the college from the rank list published by DTE. Remaining 50% of the M.Tech. seats will be filled by the college on merit
	IT	2001	60+12*	69		IT(Net work Engg)	2011	18	18	
	ECE	2001	180+36*	190		ECE(VLSI Design & Embed ded System)	2009	24	23	
						ECE(Communication Engineering)	2013	24	19	
	EEE	2004	60+12*	68		EEE(Industrial drives&Control	2010	24	10	
	ME	2011	160+24*	136						
2015-2016	AE	2001	60 +12*	53		AE(Signal Processing)	2010	18	2	50% of the M.Tech. seats will be filled by the college from the rank list published by DTE. Remaining 50% of the M.Tech. seats will be filled by the college on
	CE	2013	60+12*	70						
	CS	2001	180+36*	198		CSE Computer science &Information system)	2009	24	10	
	IT	2001	60+12*	61		IT(Net work Engg)	2011	18	8	
	ECE	2001	180+36*	201		ECE(VLSI Design & Embed ded System)	2009	24	23	

	Branch	Year	Intake	No.	Admission	Branch	Year	Intake	Final	merit
										merit.
					Admission Will be on the basis of merit only by adding marks obtained in the entrance examination conducted by State Commissioner for entrance examinations And the marks obtained for Maths,Physics,Chemistry/ equivalent in the qualifying examination. The marks will be apportioned in the ratio 50:50	ECE(Communication Engineering)	2013	24	22	
	EEE	2004	60+12*	67		EEE(Industrial drives&Control	2010	24	11	
	ME	2011	120 +24*	132						
2014-2015	AE	2001	60 +3*	62		AE(Signal Processing)	2010	18	8	
	CE	2013	60+3*	63						
	CS	2001	120+6*	126		CSE Computerscience &Inform ation system s)	2009	24	18	

	IT	2001	60+3*	66		IT(Net work Engg)	2011	18	9	
	ECE	2001	120+6*	123		ECE(VLSI Design & Embed ded System)	2009	24	20	
						ECE(Communication Engineering)	2013	24	19	
	EEE	2004	60+3*	60		EEE(Industrial drives&Control	2010	24	24	
	ME	2011	120 +6*	125						
2013-2014	AE	2001	60 +3*	63	50% marks for Mathematics separately and 50% marks for Physics, Chemistry and Mathematics taken together at the +2 or equivalent exams approved by the University	AE(Signal Processing)	2010	18	18	
	CE	2013	60+3*	63						
	CS	2001	120+6*	125		CSE Computerscience &Inform ation system s)	2009	24	24	
	IT	2001	60+3*	63		IT(Net work Engg)	2011	18	18	
	ECE	2001	120+6*	126		ECE(VLSI Design & Embedded System)	2009	24	24	
						ECE(Communication Engineering)	2013	24	24	
	EEE	2004	60+3*	63		EEE(Industrial Drives & Control	2010	24	21	
	ME	2011	60 +3*	63						

*5% seats Tuition fee waiver+15% seats PIO/Foreign Nationals.

B.Tech		% Students passed with Distinction	% Students passed with First Class	Students Placed	Average Pay package, Rs./Year	Students opted for Higher Studies
2015-2016	AEI	7.4	48.15	40	Rs.3.5lakh/annum	2
	CSE	11.4	59	106	Rs.3.5lakh/annum	4
	IT	0.03	32.7	46	Rs.3.5lakh/annum	8
	ECE	22.95	54.9	111	Rs.3.5lakh/annum	4
	EEE	28.57	41.2	48	Rs.3.5lakh/annum	4
	ME	0.04	31.14	51	Rs.3.5lakh/annum	2
2014-2015	AEI	0.08	62.7	40	Rs.3.4lakh/annum	8
	CSE	0.19	57.75	111	Rs.3.4lakh/annum	3
	IT	0.07	56.14	43	Rs.3.4lakh/annum	6
	ECE	26.49	56.4	104	Rs.3.4lakh/annum	8
	EEE	20.68	53.4	48	Rs.3.4lakh/annum	11

2013-2014	AEI	8.47	62.71	42	Rs.3.3lakh/annum	12
	CSE	21.18	61.86	95	Rs.3.3lakh/annum	4
	IT	7.5	45	23	Rs.3.3lakh/annum	4
	ECE	35.88	40.83	102	Rs.3.3lakh/annum	14
	EEE	37.28	47.45	47	Rs.3.3lakh/annum	3

	AEI	CE	CSE	ECE	E E E	IT	ME
Professional Society Memberships	**Faculty** **ISOI** (Instrument Society of India)- 11 **IEEE** - 3 **IIPE** (Indian Institute of Plant Engineer)– 1 **MECS** (Member Energy Conservation energy)– 1 **ISTE** (Indian Society for Technical Education)- 2	ISTE-2 IEI-3 ICI – 10 ASCE – 1 IGS – 2 Chartered Engineer - 1 ICI(student members) - 182	CSI -2 ACM-2 IEEE-1 ISTE-2	IEEE-3 IETE-1 ISTE-2 IETE Students Forum (ISF) members - 66	IEEE prof- 3 member ISSE-11 members SEEM-2 member IISTE-8 member IETE- 1 member	CSI- 83 IEEE-2 ACM-2 ISTE-1	ISTE-4,IEI-7 Institution of MarineEngineers-1, Institution of Standards Engineers-1 Institution of Plant Engineers-1 SAE-1, IIW - 7 ASHRAE,USA-12 Energy Conservation Society, Kerala- 1 Indian Society

	INSARM (Indian National Society for Aerospace & Mechanisms)-1 **Students** ISOI - 52						for Wind Engineering, Roorkee – 1 The combustion Institute- 1 Chartered Engineer (India)- 1
Professional activities	1.ISOI Cochin chapter activities meeting conducted regularly 2. Conducted Quiz Competition, idea Presentation and paper Presentation for under graduate students.	NIL	•Workshop on "Introduction to LARAVEL- a PHP framework" (CSI,RSET) •Session on "Introduction to MATLAB" (CSI,RSET) •Training program on Introduction to LaTeX S7 CS & IT (CSI,RSET) •scramble (C Programming) competition (CSI,RSET)	•Whats the funda?' National level symposium conducted by IEEE student branch of Govt. Model Engineering College . •Performance Comparison of AODV and DSDV Routing Protocols in MANET Networks	1.The IEEE Kochi subsection organized motivational sessions for the students. 2. IEEE Workshop on Orientation Course on Solar Photo Voltaic. 3. IEEE women's day celebration on 8th March 2013 IEEE RSET- SB celebrated International Women's day with the rest of the world by hosting various events in the campus. 4. IEEE Workshop on PIC Microcontroller 5. IEEE EWEEK (various activities) 6.Formation of IEEE-IAS Chapter on 25th Feb 2016	•Workshop on "Introduction to LARAVEL- a PHP framework" (CSI,RSET) •Session on "Introduction to MATLAB" (CSI,RSET) •Training program on Introduction to LaTeX S7 CS & IT (CSI,RSET) •scramble (C	1. NATIONAL WELD MEET: KOCHI-2015. (One Day Seminar on GENERATION NEXT: ADVANCEMENT IN METAL JOINING on Friday 9th October 2015 in association with The Indian Institute of

				•IEEE Distinguished lecture Program Assistive Technologies in Health Care by Professor Pradeep Kumar Ray, PhD Director,WHO Collaborating Centre on eHealth Asia-Pacific ubiquitous Healthcare research Centre (APuHC), UNSW Business School UNSW	7.Delegates from IEEE-Industry Applications Society , Various talks conducted on 1st September 2015	Programming) competition (CSI,RSET)	Welding (IIW)

				Australia (University of New South Wales), Australia on 31 March 2016			
				•FireFox OS Mini App Day / Webmaker Event organised by IEEE SB RSET on Feb 7, 2015 •IEEE RSET SB conducted a program 'VOLT' : Volunteer Leadership Training, at Multimedia			

			Hall during 3.35 – 4.30pm on 24th Feb 2015. •IEEE RSET SB conducted Xamarin Workshop in Heisenberg Lab •IEEE RSET SB hosted an RL78 Design Workshop in our college on the 10th of March 2015 for two days.				
Consultancy activities	Training Consultancy services provided to 25 students on 25th to 27th Aug 2016 by RSET to	• MGS Associates lab testing of fly ash bricks &dalmia redimix mortar	•Christian Professional medical colleges Admission Process(Rs 8 lakhs)	NIL	NIL	•Applied a DeitY project titled "Impact of irtualization techniques on network performance	Pilot project from NPOL-CFD analysis of drogue system deployment

| | Walrus marine & engg company Private Ltd. | • Southern railway-Soil test

• Analysis and Design of Primary Health Centre, Ayurveda Hospital, Krishibhava n and 3Anganwadi buildings, Muttar Grama Panchayath - Thaddesa Mithram , Kerala Local Government Service Delivery | | | | of Big data platforms"
•Prof Kuttyamma A J initiated a MOU with CDAC
•Biju Paul- Visited Sojo University Japan as a part of faculty exchange program.
• Binu. A offers Ten day workshop on ZOPE for the employees of CIRM, CUSAT,
•Binu. A had done the customization of Online Learning | |

		Project • Analysis and Design of Bus Terminal and Market building, North Paravur - Thaddesa Mithram, Kerala Local Government Service Delivery Project • Tests on steel bars - Sr.Section Engineer/P. Way Construction, Ernakulam Junction • Tests on				Management System for Rajagiri Business School, Cochin University Main Campus & Kuttanadu Campus •Binu. A implemented the Online SBJournal, the Online version of St.Berchaman's College, Changanassery	

		Concrete Cubes - Sr.Section Engineer/P. Way Construction , Ernakulam Junction					
Grants fetched	Modernization of Microprocessor lab under MODROBS for Rs.5,300,00. Process Control Lab Modernization under MODROB for Rs.19,400,00	NIL	NIL	DRDO Sponsored Seminar on Software Defined Radio of Rs.40000/- Modernisation of ARC lab under MODROBS for Rs.15,76,000/-.	A Novel Solar Powered Vehicle/ Wheel Chair for disabled funded by Center for Disability studies – A Govt. of Kerala Undertaking for amount of Rs. 30,000/. **Multipurpose portable Capacitive Digital Agro Moisture Meter- Kerala State Council for Science, Technology & Environment-5,10,000/-**	NIL	KSCSTE has sanctioned an amount of Rs 1, 65,000/- for the project "Fabrication of chamber to produce good quality charcoal" in which Mr. Akash

							James Assistant Professor of ME Dept is the co-investigator.
				Solar Powered Smart Irrigation System- KTU—CERD- Rs 24000/-			
Departmental Achievements	Balu Raveendran visited V Guard on 7th Dec 2016. • Hari C.V conducted a workshop on LaTeX on 9th Nov 2016 at UC College, Aluva. • Sam Verghese & Jebin Peter Thomas of S5 AEI secured 1st prize in Amazing category Team members, Innovation and Entrepreneurship development Centre Robo	Talk on "Expect the Unexpected" by C.V.R.Murty,Director,IIT,Jodhpur on 8th April,2016 for S8 students. Talk on "Campus to Corporate" by Shakeena S.Mohammed,Learning program Manager,IBM on April,2016 for s6,s4 students. Talk on"Why Concrete is so humane by	•Joe Augustine and Sijin Sebastian (2011-2015 B.Tech CSE, RSET) attended the VLSI-SOC Conference held in Daejeon, South Korea from 4th - •7th October, 2015 and presented paper titled "Dynamic migratory selection strategy for adaptive routing in mesh NoCs. •Conducted Short term course on "Effective Python Programming" from 6th to 10th July 2015 for the faculty. •Conducted Two hours lecture on "Best practices in PYTHON"	a.Installation, Demo and Training of NI USRP on 24th of Jan 2014 , by Trident technologies. b.A 2-day training program for ANSYS High Frequency Software, which included HFSS (3D Full Wave Simulator) and RF Circuit Simulation-lecture and hands on on 27th and 28th	A one day workshop on "Real TimeInterfacing using MATLAB", on January,19,2013. Department of Electrical & Electronics Engineering, as part of Eluxtra Association activity, conducted a one day workshop on "Introduction to VFD and its Industrial Applications" on November 16, 2013. organized a two day International workshop on 'SOLAR PHOTOVOLTAIC POWER SYSTEMS'on 22nd and 23rd of July 2015.	IoT Hands on Workshop for Govt. Engineering College, Idukki , Dept. of Computer Science, CUSAT, Toc-H Institute of Science & Technology •Advanced Workshop on Digital Archiving for the scientists of "Centre for Digital	.A two day training programme on the CAD/CAM software "CATIA" on 18th & 19th, June 2013 2. Three days training programme on CATIA modeling software by trainers from EDS technologies, Kochi on 2nd,

Rave Robotic competition held at The Choice School Thrippunithura on 5th & 6thNov 2016. •Anushreya Preshob & Garry Savieo of S5 AEI secured 3rd prize in Innovation category Team members, Innovation and Entrepreneurship development Centre Robo Rave Robotic competition held at The Choice School Thripunithura on 5th & 6thNov 2016 • Aakash U. R, Kiran Manoj & Jinsha Babu, S3 AEI	Mr.Shelly S.Fernandez,GM,RMC on feb,2016. Talk on "Recent trends and opportunities in Civil Engg" by Mr.E.Kurian Mathew,Rtd. chief engineering KPWD & former principal of MACE. 1 week training program for s6 students of civil engg on Autocad by Pindis Learning Centre. Talk on "Innovative Design, Construction and Rehabilitation of Buildings and Bridges" – by Dr	for the S1 Computer Science students on 27th November 2015. •Conducted Bridge Course- Logic Development & Introduction to Programming from 1st July-7th July 2015 for B.Tech students with out computer science background •Conducted Workshop on "Latex- the documentation software" for S6 & S8 students from 21-25 Jan 2016 •Conducted Training on "Awareness to the implementation of computer networking" for S6 students on 27th Jan 2016 •Conducted Workshop on "Programming with Raspberry Pi and Arduino" for S6 & S8	of January 2014 provided by the Entuple technologies . c.The Lab Staff of DEC was given training and hands-on in PCB Micro Project session was started on 27th Jan 2016 and lasted up to 1st Feb 2016. 54 Students were participated, with 2-3 students in each group. Seven Electronics circuits were identified for implementati	Dr. Magyar Peter, Fellow IEEE had an interaction with faculty members and M.Tech students on 'Exploring research areas' on 1st September 2015. Conducted Project Expo(Mtech IDAC) on 30th September 2015. conducted a talk on "Renewable energy and solar project installation" by Mr. RadhakrishananMundoli , Helios Renewables. on 16th December 2015 . organized a workshop on "Personality Development" for the students of S6 EEE, RSET.on 20th and 21st Jan 20. conducted a five day	Imaging", Govt. Of Kerala, Trivandrum •Information Delivery Systems for Academic and Research Institutions (IDSARI Version 3.0), International Centre for Free and Open Source Software (ICFOSS), Govt. of Kerala, Trivandrum •Software Architecture for St.Teresa's College,	3rd and 5th May 2014 3.40 hours training workshop in Auto CADD 2D and 3D modeling. 4.One day workshop on Autodesk Fusion 360 Software on 16th April 2016 5. Two day workshop on Robotics (Hexapod with TV remote controlled) From

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Ranil Thomas & Gopika Govindan,S1 AEI Visited FAB -Lab, Kalamasserry on 16th Nov 2016 •Meena V attended a IEEE Author Workshop organized by Coimbatore Institute of Technology, Coimbatore jointly with IEEE supported by GIST, India on 25th Oct 2016. • Meena V attended a program on Sparse Optimization for Signals & Systems at IIT, Madras from 22nd to 24th OCT 2016	P. K Aravindan (Prof (Rtd), IIT Madras) on 8th August 2016	students on 18-29 Jan 2016 •Conducted Training program on "Android Programming " for s6 and S8 students 18-29 Jan 2016 Conducted Training programme on "MySQL and PHP" for s6 and S8 students 18-29 Jan 2016 Conducted Workshop on "Object Oriented Programming in Python" for CS Students from 29th Feb-30th April Conducted Training program on Android App Development for s4 students	on. These were distributed among groups. After completing breadboard output, they were asked to solder the circuit and take circuit to product level.A demo presentation was conducted on 4th Feb 2016. Around 20 products were demonstrated . Three prizes (2nd Prize is shared by 3 groups & 3rd prize is shared by 2 groups) were	workshop on "Hands on Training for Power Electronic Converters" for the students of S6 EEE, RSET on 21/01/2016 to 23/01/2016, 25/01/2016 & 27/01/2016. conducted a 3 day workshop on "Microprocessor and Micro controller" for the students of S6 EEE on 28/1/2016 to 30/1/2016 Launched department association, ELUXTRA on Monday 4th April 2016.Inaugural address by Cdr.(Retd.) K.Shamsuddin (MD, Kerala Electrical and Allied Engineering Co.) Technical talk by Ms. HusnaMumtaz (Assistant Executive Engineer,Kaloor Substation) International Workshop on	Ernakulam •Learning Management System using Moodle for Cochin University of Science & Technology, Cochin University College of Engineering, Kuttanadu and Sacred Hearts College, Thevara •Conducted Bridge Course- Logic Development & ntroduction to Programming	3/9/2016 to 4/9/2016 . One day International workshop on "Green and Renewable Energy Applications " on 2/11/2016 7. Two day workshop on CFDtool-ANSYS FLUENT on 21/12/16 and 22/12/16 8. One day workshop on CATIA V6-LEVEL I on

•Jitthu Joseph, S7AE attended Techathon- Tech class(The National level Techno-Managerial Symposium) at Model engg College on 5th to 8th Oct 2016 •Three days training program on Robotics for S3 AEI students was organized by AEI Dept in association with ED club of RSET from 10th to 12th Sept 2016. •Meena V chaired a session on Sixth International Conference on Advances in Computing & Communications			announced. Mini project presentation competition was onducted on 27th april 2016.Thirty project were presented. Department of Electronics and Communication Engineering organized a talk on *"A practical approach to configuring and optimizing building blocks for a*	Green and Renewable Energy Applications-02/11/16 Workshop on Electronic circuit design and PCB fabrication-31/09/16-01/10/16 FDP on dsPIC with Power Electronics using MATLAB-25/11/16-26/11/16 Energy Efficient Dream Home Contest- DEE,RSET in association with IEEE-PES chapter-01/10/16 Role of Robotics in Engg. Education-DEE,RSET on initiation of IEEE-IAS chapter-01/09/16 department association, ELUXTRA on Monday 4th April 2016.Inaugural address by Cdr.(Retd.) K.Shamsuddin (MD, Kerala Electrical and Allied Engineering Co.) Technical talk by Ms. HusnaMumtaz (Assistant	from 1st July-7th July 2015 for B.Tech students with out computer science background •Conducted Pre-project training on Android by CDAC from 18-1-2016 to 29-1-2016 •Conducted Pre-project training on PHP & MySQL by CDAC from 18-1-2016 to 29-1-2016 •Conducted Pre-project training on Raspberry Pi	2/7/2016 9. One day workshop on CATIA V6-LEVEL II on 12/7/2016 10. Two day workshop on CATIA V6 - LEVEL III on 16/7/16 and 18/7/16

(ICACC – 2016) on 7th Sept 2016. • Ms. Liza Annie Joseph coordinated a workshop on Enabling Technologies for Health Care at KRL auditorium (RCBS) on 20th August 2016 • Vaisak V Shekhar S7 AEI was 2nd in Innovious (Project Expo) in a Technical fest at Saingits college of Engg conducted from 5/08/16 to 06/08/16. •Faculty of DAEI organized One day hands on workshop " Fundamentals of LabVIEW &			*wireless communicationsystem"*by Sri. A K Prakash, Retd. Sr.Scientist of NPOL, Cochin. Talk will be at Multimedia Hall on 11th February, 2016 at 03.00 pm. Mr. Sethu Suresh of S6 EC Beta visited SOJO University ,Japan for two week sponsored program.preparation at the newly stablished Printed Circuit	Executive Engineer,Kaloor Substation)	& Arduino by CDAC from 18-1-2016 to 29-1-2016 •Conducted Pre-project training on Java in MARCH 2016 •Mohamed Jasim M and Muhammed Sadique UK, S4 Mtech attended AccessAbilities Expo 2016 Dubai, organized by Community Development Authority, Dubai (CDA) •Conducted Workshops

DataAcquisition Systems" conducted on 21/07/16 • Sukanya R. Warier & M. Shanmuga Priya Faculty DAEI attended FDP on "Advanced LabVIEW Applications &Programming of BeagleBone Black"at FISAT during 11,12 & 15 July 2016. •Meena V attended an FDP on " Advanced Digital Signal processing Agorithms and Architectures" at NIT Calicut from 27/06/16 to 02/07/16			Board (PCB) Laboratory facility on the 1st of March, 2014, Saturday. The faculty member involved in its delivery was Dr. Deepti Das Krishna of EC Department. Microwave Lab Training for the Technical staff of EC Department conducted by Swapna Davies,Asst. Prof. of ECE department. Three day workshop on VLSI System		for students on Data analytics by iTrax •Demonstrati on of proof of concept- Emergency Response System for India by Mohamed Jasim M, Muhammed Sadique UK, S4 Mtech and got Approval for real time implementati on in a junction in Kochin •Mr.Vivek joy and	

•Prof. P.R. Madhava Panicker delivered a commemorative talk on Dr. A.P.J Abdul Kalam on 27th July 2016 for All first year students and faculty, RSET •Vidyalakshmy S, Kevin Simon, Indukala Soman And Arjun R received third Prize in mini project presentation competition Conducted by DECE,RSET(27/04/16) •Shanmugha Priya & Mary Hexy conducted a inter college competition for			Design conducted on 16th ,17th and 18th December,2014. Talk on smart Grid: Where Computing, Communication & Power Systems Meet" by ACM Distinguished Speaker Dr. Sandeep K Shukla of Virginia Tech on 04th July 2014. Five day Technicalstaf development		Mr.Harikrishnan has conducted a course on IoT at Govt. Engineering College, Idukki for the M.Tech Students in Network Engineering. (April 8-9,2016) •i-Trax, the technical association of Department of Information Technology is organized a course along with S6 IT students on advanced

idea presentation and paper presentation for students within RSET & other engg college students on 16th Apr 2016. Students from ASIET & AISAT participated. •Conducted YOKOGAWA training on DCS & PLC for S8AE students from 17/03/16 to 21/03/16. •Shanmuga Priya M & Mary Hexy conducted Quiz competition & Idea presentation for AEI students on 9th March 2016 • Mable George			Programme during 12th to 16th January,2015. A Workshop "Electronic System Design and ManufacturingWorkshop (ESDM)" on April 6, 2013. A one day workshop on "Mentor Graphic Tools" by experts from TridentTech Labs Pvt Ltd, Bangalore on May 17, 2013. A workshop		parser and networking for IT students on all Fridays (Time: 2.00 pm - 4.30 pm, Venue : S4 IT). Mr. Mr. Mazahir B Harooon, S6 IT, received CSI-In App Award	

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& sruthi (S6 AEI) secured first prize for paper presentation in BRAHMA 2016 held on 18th, 19th & 20th February 2016 at ADSIET, Kalady. •Mary Hexy attended a Workshop on "Engineering Research" at ASIET from 12th to 18th Jan 2016 •Hari C V delivered a talk on Recent Trends & Techniques in Digital Image Processing at college of Engg, Vadakara on3rd Dec 2015. •Hari C V delivered a talk on Essentials of			for the faculty members from different colleges involved with "Wireless Communications" course under the MG University M. Tech.Communication Engineering syllabus on October 26, 2013. A two days training program on "Cãdence® IC Design tool" on November 4 & 5, 2013. 'ELECTRONAUTS' the department association of ECE		

	Research & Trends in Image Processing at ASIET, Kalady on16th Dec 2015. • Prof. Dominic Mathew got fellowship award from ISOI at Kumaraguru Engineering College on 30th October 2015 • Prof. Dominic Mathew delivered a talk on career guidance at Christ Nagar School, Trivandrum on 20th July 2015. • Edwin,. Hina & Tony Thomas got qualified for GATE 2015. •2 day Training Programme on			organized the inaugural function of activities of the academic year 2015-2016 at 1.30pm on 30th September 2015 in the Chavara Hall, followed by a talk by Mr.Manoj Paul, President, Healthcare at SFO Technologies (NeST Group). Micro Project is a pre-semester activity for S4 ECE students, which is a platform to improve their circuit			

C6748 - DSP Kit, DAEI RSET in association with STARCOM Information Technology Ltd, Bangalore 26th Feb -29th Feb 2015 • Joffin George, Tony Thomas & Joe Holmes of S8AE won the Best Project Award at National Technical Model Exhibition MOM – 2K15 (Mind Over Matter) on "Innovations & Sustainability" organized by IIITM, Gwalior . •Conducted a workshop on Industrial Automation for S8AE students			implementation skills and apply innovative product idea to it. Micro Project session was started on 27th Jan 2016 and lasted up to 1st Feb 2016. 54 Students were participated, with 2-3 students in each group. Seven Electronics circuits were identified for implementation. These were		

on 21-23 Jan 2015. • Balu Raveendran conducted a workshop on Raspberry Pi andIntroduction to Python programming for S6AEI on 19-20 Jan 2015. • Shanmugha Priya conducted a workshop on PSpice and soldering practices for S4AEI on 19-20 Jan 2015. •2 day Training Programme on C6748 - DSP Kit, DAEI RSET in association with STARCOM Information Technology Ltd, Bangalore			distributed among groups. After completing breadboard output, they were asked to solder the circuit and take circuit to product level.A demo presentation was conducted on 4th Feb 2016. Around 20 products were demonstrated. Three prizes (2nd Prize is shared by 3 groups & 3rd prize is shared by 2 groups)			

	26th Feb -29th feb 2015 •Prof. Dominic Mathew delivered a talk on Introduction toInstrumentation and Process Control for ICE Students, S.N.M.I.M.T on 29 Jan 2015. • Prof. P.R. Madhava Panicker delivered a talk on MARs mission for staff of RSET for 29th Sept 2014 •Krishna Kumar K.P & Ms. Mary Hexy conducted a training program on Distributed Control Systems from 23-25 July 2014.			were announced. •Mini project presentation competition was conducted on 27th april 2016.Thirty project were presented. Department of Electronics and Communication Engineering organized a talk on "A practical approach to configuring and optimizing building			

•FDP on Honeywell Experion DCS 23rd April -26th April 2014. •KrishnaKumar K P conducted a seminar contest 2014 as part of ISOI for students within RSET & from different engineering colleges on 5th Apr 2014. • Conducted a talk on Artificial Intelligence & Machine Learning for M.Tech & B.Tech students on 2nd Jan 2014. •Conducted a workshop on INDUSTRIAL POLLUTION CONTROL for teachers taking			blocks for a wireless communication system"by Sri. A K Prakash, Retd. Sr. Scientist of NPOL, Cochin. Talk will be at Multimedia Hall on 11th February, 2016 at 03.00 pm. •Mr. Sethu Suresh of S6 EC Beta visited SOJO University ,Japan for two week sponsored program.		

	this course within the college and other colleges of MG university and RSET faculty on 25-29 Nov 2014. •Mr. Manu Rajan of S6 AEI visited SOJO University ,Japan for two week sponsored program from 13th to 23rd Feb 2016.					
Distinguished Alumni	Noel Paulose - Instrumentation Engineer at BPCL •Vishnu Vijay & Prannoy Sagar - Project Engineer, Virtuoso Automation Solutions, Pune		•Ms. Christina Terese Joseph IIIrd Rank - M.Tech. Computer Science & Information Systems •Joe Augustine ,Junior Research fellow,IIT Madras •Sachin JosephSoftware Engineer at Microsoft •Koshy JohnSoftware Engineer II	Rijin John (2002-06) Patent holder & Lead Engineer at Alcatel Lucent. 2. AlthafJehangir (2004-08)	1.Mr. Joseph Babu (2008-12) - Co- Founder & Chief Marketing Officer, Raify 2.Mr. Mathew John (2006-10) - Founder -Smart Energy Solutions **3. Mr. Unnikrishnan C. Captain, Indian Army**	•Nishanth Ravindran, CEO, Technovia Info Solutions Pvt. Ltd. He has started the company, which introduced a

•Mathew Varghese & Nancy James - Trainee Decision Scientist, Mu Sigma Business Solutions Pvt. Ltd, Bangalore •Anand Pious, Instrumentation and Control Engineer, Bilfinger, UAE •Nishitha Narayanan - System Design Engineer at Johnson Controls, UAE •Rohit Philip - Embedded software Engineer, VVDN		at Microsoft •Alan Koshy JohnResearch Assistant at Fraunhofer FIT •Sarath S Menon Developer Associate at SAP •Sijin Sebastian Developer Associate at SAP •Sandra Alex Developer Associate at SAP •Aswathi Anna Mathew Developer Associate at SAP	CEO at SFO Technologies Pvt Ltd.,cochin 3. Akash Mathew (2009-13) CEO & Co-Founder- CIED Technologies, Cochin, Kerala 4. Arjun Narayanan (2006-10) Scientist at VSSC Pursuing MTech at IIT, Mumbai 5. Srijith.K (2005-09) BTech Ist Rank ECE Pursuing PhD at IIT, Chennai	**2005-09 batch** **4. Mr. Arjun S.** **Lieutenant, Indian Navy** **2005-09 batch** **5. Mr. Allan Sebastian** **Commanding officer,Indian** **Navy** **2006-10 batch** **6. Ms. Anjana Sunilkumar** **Commanding Officer,** **Indian Air Force** **2011-15 batch** **7. Mr. Libin Varghese** **Electrical Engineer, Sharjah** **Electricity & Water** **Authority** **2002-14 batch**	new concept " City on Wheels". Now a pilot project is running in Calicut District witht the support from district administratio n. •Nithin Murali Team Lead Ernst & Young •Aswin Aravind Technology Analyst Infosys •Syam Sasi QA Engineer Oracle •Swetha Mathew Senior System	

	Technologies Ltd, Kochi •Alias Pius - Senior Software Engineer at Robert Bosch Engineering and Business Solutions Limited •Rahul Babu & Rahul Pushparajan - Project Engineer at SCHNEIDER ELECTRIC ,Chennai •Muhamed Nizwan - ASIC Verification Engineer, NVIDIA, California • Nithu Anna Baji -			6. Ms. Shyama Sreekumar (2009-2013) B.Tech Ist Rank – ECE. 7. sVaishnavi Balakrishnan B.Tech II Rank – ECE 8. AshiqKallingal &Anto Varghese 2009-13 Co founders, Addictive innovations 9.JithinJojiAnchanattu& Sony Mathew (2010-2014) Executive Director/Founder at Probuk India		Engineer Infosys •Jose Joseph Mobile Application Developer Samsung •Jithu A Kumar Senior Software Engineer iGate •Lakshmi Sekhar Software Engineer TCS •Sanjay Menon Software Engineer Visual IQ •Mr. Antons Davies, Sr. Interaction	

	Manufacturing Engineer, Faraday Future, California • Aswin Krishnan A. R Project Application Engineer, INVENSYS • Kuruvilla Jacob & Nixon Varghese - DCS engineer, Yokogawa,Banga alore. • Robin rohith - Automation Engineer at Honeywell,Beng aluru •MARIYA GEORGE-2nd Rank. •TREESA			10.Prince Thomas II Rank ECE (2007-2011) Currently Working in Bosch 11.Ms Arathi S.G. IInd Rank Mtech VLSI 12. Ms Anju Suresh IIIrd Rank Mtech VLSI		Designer at NVIDIA • Mr. Yedhu Sasthri, M. Tech 2nd rank (2012-14), PhD Student, TU Dresden •Mrs. Ancy Sherin M. Tech 1st rank (2012-14), Section Engineer, KMRL Kochi	

	JOSEPH-3rd Rank. • Mr.Ajith Viswanathan Pillai-1st Rank.M.Tech-AESP in M.G.Uni Versity • Kalyani Menon Power electronics technologist, Strategic Research Center, Rolls Royce plc United Kingdom •Pravin Kuriakose Control Systems Engineer at Rolls-Royce					

10.13.(Profile of the Faculty attached – Refer Website)

Name of Teaching Staff *	
Designation	
Department	
Date of joining the institution	
Qualifications with class/Grade	UG PG PhD
Total Experience in Years	Teaching Industry Research
Papers Published	National International
Papers Presented in Conferences	National International
PhD Guide? Give field & University	Field University
PhDs/Projects Guided	PhDs Projects at Masters level
Books Published/IPRs/ Patents	
Professional Memberships	
Consultancy Activities	

Awards	
Grants fetched	
Interaction with Professional institutions	

10.14 Admission quota	
Entrance test/admission criteria	B.Tech-Admission Admission Will be on the basis of merit only. Rank list will be prepared by adding marks obtained in the entrance examination conducted by State Commissioner for entrance examinations and the marks obtained for Maths, Physics, Chemistry/equivalent in the qualifying examination. The marks will be apportioned in the ratio 50:50 M.Tech- Admission At least 60% mark s in BE / B.Tech in relevant branch is a must.

Cut off /last candidate admitted	B.Tech Pass in higher secondary examination of the Board of HSE of Kerala or an examination equivalent there to with at least 50%marks in Mathematics separately & 50% marks in Maths, Physics, Chemistry/equivalent subject put together or equivalent grade. M.Tech 60% marks in related branch in B.Tech	
Fees in rupees	**Course**	**Tuition Fee**
	B.Tech I Year	Rs.75,000
	B.Tech II Year	Rs.75,000
	B.Tech III Year	Rs.75,000
	B.Tech IV Year	Rs.75,000
	M.Tech I Semester	Rs.65,000
	M.Tech II Semester	Rs.65,000
	M.Tech III Semester	Rs.65,000
	M.Tech IV Semester	Rs.65,000
Number of Fee Waivers offered	TFW-AEI-3 ,IT-3,EEE-3,CE-3,CSE-9,ECE-9,ME-6, SC/ST/OEC students are exempted from payment of fees at the time of admission. Their scholarship will be sanctioned by the welfare Department of the Government.	

Admission Calendar	**B.Tech**
	Submission of online application form begins 5th May 2016
	Last date for submission of application. 2nd June 2016.
	Publication of data entry details on website 2nd June 2016.
	Last date to notify entry defects, if any 4th June 2016.
	Publication of merit list 4th June 2016
	Selection and admission begins 7th June 2016
	Admission closes on 25th July 2016.
	M.Tech
	Submission of online application begins 14th June 2016
	Last date to receive applications 30th June 2016
	Publication of details on the website 1st July 2016
	Last date to notify entry defects ,if any 4th July 2016

	Admission test(for college merit candidates) 6th July 2016
	Publication of merit list 7th July 2016
	Interview and admission 12th July 2016
	Commencement of classes 1st August 2016
	Admission closes on 12th August 2016
PIO quota	Yes

Laboratory details		List of Major Equipment/Facilities
Department	NAME OF THE LAB	LIST OF MAJOR EQUIPMENTS/FACILITIES
Electrical & Electronics		"Auto transformer 1Φ, Auto Transformer 3Φ, DC Voltmeter, AC Voltmeter , DC Ammeter , AC Ammeter , Digital Multimeter , Power Factor Meter , Analog Stopwatch , Variable Rheostat , Wattmeter , Loading Capacitor 3Φ, DC Unregulated Power

	Basic Electrical Lab	Supply, Knife Switch, Energy Meter1Φ, Energy Meter 3Φ, Loading Inductor3Φ .
	Electrical Measurements Lab	Earth Tester, Variable Rheostat, AC Ammeter, Inductance Box, DC Regulated Power Supply, Capacitance Box, Resistance Box, Wattmeter, Power Factor Meter, DC Unregulated Power Supply, DC Ammeter, AC Ammeter, AC Voltmeter, DC Voltmeter, Lux Meter, Analog Stop Watch, Sensitive Galvanometer, Super Sensitive Galvanometer, Light Spot Galvanometer, Crompton Potentiometer, Slide Wire Potentiometer, Vernior Potentiometer, Volt Ratio box, Wheaston Bridge, Post Office Box, Standard Resistance, Digital Multimeter, Wattmeter, Electronic Standard Cell, Loading Rheostat, Knife Switch, AutoTransformer1Φ, AutoTransformer3Φ, Energy Meter1Φ, Light Spot Galvanometer, Phase Shifting Transformer, Transformer1Φ, Kelvin Double Bridge, Frequency Meter, LVDT Trainer, Current Transformer, Potential Transformer, Llyod Fisher Square, Hibbert's Magnetic Standard, Lamp Load, Centre Zero Galvanometer, Digital Stop Watch, Loading Inductor3Φ
	Electrical Machines Lab	3Φ Slip ring induction motor, 3Φ Squirrel cage induction motor,1Φ Induction motor, 3Φ AC Generator, DC Shunt motor, DC Series motor, DC Compound motor, DC Generator, Auto transform3Φ, DC Voltmeter, DC Ammeter, AC Ammeter, Digital Tachometer, Insulation Tester, Rectifier Unit 100A, Loading Rheostat 1Φ, Loading Rheostat3Φ, Loading Inductor3Φ , Wattmeter, Energy meter 1Φ, Energy meter 3Φ, Transformer1Φ, Transformer3Φ, Variable Rheostat, Display Board Of Single Phase and Three Phase distribution, AC Voltmeter, AutoTransformer1Φ, Analog Tachometer, Knife Switch, DC Series Motor-Generator Set, Double Cage Induction Motor, Winding Study Motor, Synchronous Motor-DC Shunt Motor Set, Cascade Induction Motor Set, Induction Generator Set, Working Model of Three Phase &Single Phase Alternator, Working model of dc generator, Cut section of dc machine, Model of 3phase ac winding, Reluctance motor, Synchronizing lamp set, Analog clamp tester, Digital tachometer

		with sensor, Power factor meter , Hand drill, Motor starter, Alternator, Spring balance, Rectifier unit 150A
	Control System Lab	Function Generator, CRO, AC Servo Motor, AC Synchro Transmitter and Receiver Demonstrator, Stepper Motor Demosrator Unit, DC Position Servo System Demonstator, Propotional Integral Derivative Cotrol System, DLP Projector, Projection Screen Tripod ,Synchro transmitter reciever trainer,Temperature control system,DC servo motor pid controller
	Power Electronics Lab	Inductive load, PMDC motor,1 HP DC motor, Boost chopper, IGBT based 4 quadrent chopper,1KVA Isolation transformer, 89C51 based firing pulse generator, Mosfet module, IGBT module, PWM inverter control module, Digital multimeter, Digital Tachometer, Oscilloscope, Power Supply, Power scope, Portable dc ammeter, Portable ac ammeter, Portable dc voltmeter, Portabler ac voltmeter, 3Φ full wave bridge rectifier,1ΦFull wave bridge rectifier, 3Φ Power quality analyser, Transformer, Digital Tachometer, Characteristic module of power electronic devices, SCR chopper circuit module for SCR commutation, Firing Circuit module of SCR, Triggering circuit(Ramp And Pedestal), Bridge converter module of power electronic devices,Variable Rheostat, Micro processor trainer kit, Function generator, Decade inductance box, Decade capacitance box, Decade Resistance Box, Digital Storage Oscilloscope,High voltage differential probe 25MHz,Digital UPS,FLUKE METER
	Simulation Lab	Computer,Projector LCD,UPS ,Battery, P SIM (Software)
		3 Φ Induction Motor (180W), AC Induction Motor Vector control kit (TMDSHVMTRPFC), Computer with Control Suite Software, 3 Φ Permanent Magnet Synchronous Motor with Control kit, 3 Φ Permanent Magnet Synchronous Motor with Control kit, BLDC Motor (180W), 57BL116

	Industrial Drives and Control Lab	Texas control kit(DRV8301) with SMPS 48V, 10 A Computer with Instaspin Software, TMDSDCDC2KIT, BLDC Motor (180W), 57BLS116 with mechanical load BLDC Motor (180W), 57BLS116 with inductive load BLDC Driver + Multi Function Controller + BLDC Motor (57BLS116), Computer with Arkmotion Software, Ingenia AC Servo Driver AC Servo Motor, Moons 200W, AC Induction Motor with DC Generator, Operating Station1,AC Drive (Powerflex 755), Loading Rheostat, Computer with Rockwell Software, DC Motor with DC generator, Operating Station 2, DC Drive (Powerflex DC) Loading Rheostat, Computer with Rockwell Software, AC Servo Motor, Operating Station 3,Servo Drive (Ultra 3000), Computer with Rockwell Software, Digital Storage Oscilloscope, Three Phase Inverter
	Electrical Wokshop	Inverter.LCR Q meter
Electronics and Communication	RF Lab	Microwave Benches,Sat:com:trainer, Spectrum analyser,Antenna trainer,Optical fibre trainer,RF com: trainer,Storage oscilloscope,Oscilloscopes,DC power supplies,Function generator,Computer.
	Systems Lab	computers, dsp starter kit,printer,ups,rfid card reader, universal programmer,RF GPS GSM ZIGBEE Modules,ARM kit,OrCAD,Matlab
	Advanced Resource Lab	Computers, dsp trainer kit, vlsi trainer kit, spartan3 , FPGA board,Finger print scanner,Embedded system development kit.
	Basic Electronics Lab	Digital storage Oscilloscopes, DC power supplies, Function generators, Ammeters, voltmeters, Analog& Digital multimeters,Audio power meter, Decade boxes,Rheostats,Computers.
	Communication Lab	Digital storage osciloscopes,DC power supplies,Function generators,Decade boxes,Communication trainers,LCR meters,IC tester,Soldering & Desoldering station,Projectors,Computers.

	Hardware Lab	Storage oscilloscopes,DC power supplies, Function generators,Digital ic trainer kits, Multimeters,Universal programmer,Micro processor & Micro controller kits,Computers,Logic analyser,acoustic lab items.
	Integrated Circuits Lab	Oscilloscopes, DC power supplies, Function generators, Ammeters, voltmeters, Analog& Digital multimeters,Soldering & Desoldering station, Decade boxes,Rheostats.Computers
	Logic Design Lab	osciloscope,function generator, digital trainer, analog multimeter, digital mutimeter, power supply
	PG LAB (Shockley Lab)	HP Compaq Desktop PC(13), Dell Optiplex 740 Desktop PC(5) Dell Precision T3500 (1),Dell Optiplex390(11) ARM kits,FPGA kits,PSoC kits,Cadence,Comsol,HFSS,NI-USRP Software defined radio(SDR)Experimental set up.
	PG LAB (Shannon Lab)	computers(dell precisionT5610-1No:,dell optiplex3020MT-30Nos),. UPS
	Electronics Engineering Workshop	Digital storage Oscilloscope, Function Generator,DC Power supply Soldering Iron and PCB Holder.
	PCB Lab	Drilling Machine, ShearingMachine, Double sided UV Exposure unit,Soldering station,PCB holder,Magnifying lens with lamp.
APPLIED ELECTRONICS AND INSTRUMENTATION	MEASUREMENT/ TRANSDUCER LAB	"Capacitance level sensor ,LVDT calibrator with screw gauge ,Bridges ,Temperature transmitters -B,E,J,K,R,S,T (Types), RTD,DSO,IC tester,Ph meter,RTDs,Temperature calibrator, ,CRO ,Function Generator,power supply, Strain gauge, trainer kits,computer,Digital multimeter.Rheostats,Trainer kits(Speed,force),strain gauges,Parallel plate capacitance trainer kit,Viscometer,Conductivity meter,Thermometers,Megger,Syncro transmitter\receiver,Photocell trainer kit,Ultrasonic sensor kit , soldering station, PA System with Speaker & Mic

	PROCESS CONTROL&SIMULATION LAB	Cascade Control Loop ,Level Control Loop , Control valve Characteristics Loop ,Flow control Loop , Pressure Control loop , I/P converter trainer , Dead weight Tester , PLC Trainer kit ,LabVIEW , Desktop Computer (Compaq) - 7 Nos , Control valve Cut Section, DCS (Yokogawa) , Field Control Station(Yokogawa), Engg. Station(Yokogawa), ifm Sensors – 13 Nos,Desktop Computer (HP Pro3330MT) - 13 Nos, SMPS Power supply ,FRC with Gauge (4) ,Conductivity meter ,Portable Universal Calibrator ,DCS (Honeywell),Engg.Station,HART,SCADA ,Transmitter Interface Level ,PLC (Honeywell) ,Multi meter, pH /REDOX,DSO,Signal Generator, DC Power Supply, Pump Set, PID Controller, Air dryer,Electronic Weighing Balance,IC Tester, Desktop Computer(Dell Optiplex 3040) - 24 Nos. Software :- NI Labview 7.1 - 25 Nos, NI ELVIS - 1 Nos,Honewell Experion PKS 300 - 1 Nos
	MICROPROCESSOR LAB	Cathode Ray Oscilloscopes, Digital Storage Oscilloscope, Function Generators,DC power supply, DC Voltmeter DC Ammeter ,Multi meters, IC Testers(Analog and Digital), Microprocessor Peripherals[Analog to Digital, Digital to Analog, Stepper Motor Interface, Traffic Control System] Decade Boxes(Resistance,Capacitance,Inductance),Trainer Kits[8085 Microprocessor,8086 Microprocessor,8051 Microcontroller, Digital IC, Key Board monitoring,ASLKv2010 (TI)],Raspberry Pi Scientific kit, Raspberry Pi Model B Essential kit(including 11'' HDMI monitor & Mini wireless keyboard& Mouse) , Demonstration Boards [dsPICDEM2,CAN Bus Monitoring, MPLAB ICD2],FPGA Multifunction Evaluation system(Xilinx Spartan 3E), Anvyl Spartan 6 E FPGA Board, Universal Programmers, Desktop Computers,Multimedia projector,DSP Processor Kit,Beaglebone Black,NI-USB DAQ 6210 CARD,Software:-ORCAD PCB Suite (5 user license)
APPLIED ELECTRONICS AND INSTRUMENTATION	**FOURIER LAB**	Networking Switch(2 Nos), Networking Rack(1 Nos), Intel Core I5 Computer(25 Nos), HP Compaq 18.5 inch LED LCD Monitor(27 Nos), QE190AV Computer Workstation(2 Nos), Creative Satellite Speaker(5 Nos), Projector(1 Nos), DSO(2 Nos), Signal Generator(2 Nos),DSP Development Kit(9 Nos)

INFORMATION TECHNOLOGY	QUANTUM LAB	Server:- Sun Microsystems Ultra 20(2), HP Compaq 6005 Pro Microtower Amd Athlon ™ || X2 B24 processor(59), Dell optilplex Intel Core i3(4), Lenovo Think Centre (5 nos), Network Switches-Cisco(2),Netgear(2) Windows 2008 server, Windows XP Professional, Microsoft Office 2007, IBM Rational Rose (30),Ubuntu(63),
	ULYSSES LAB	1) Apple Mac Mini PC, Model MGEM2HN/A- Core i5,4 GB,500 GB,Mac OS X Yosemite with monitor, keyboard and mouse (10 nos) 2) Dell Optiplex 3020MT - Intel Corei3 / 4th Gen Proc / H81 Intel Chipset Motherboard / 4GB DDR3 RAM / 500GB HDD / NO ODD / KB / Optical Mouse / Dell E1916HV 18.5-inch LED Monitor / Ubuntu (24 nos) 3) Workstation, DELL Precision T1700 ,Xeon E3 1225V3,8 GB RAM,500 GB HDD,NVIDIA QUADRO 2 GB Graphics(with 21" monitor)/DOS (4 nos) 4) Thin Form Factor PC, ThinkCentre M73 Tiny Desktop without monitor,Ubuntu (5 nos) 5) 18.5-inch LED Monitor (1 no) 6) Graphics Accelerator, AMD FirePro W5100 100-505737 4GB 128-bit GDDR5 GRAPHIC CARD (1 no) 7) Linksys 24 Port Gigabit Switch with WebView SRW2024 (2 nos), Switch, Linksys SF300-24 24-Port 10/100 Managed (2 nos), 8 Port KVM Switch (1 no) 8) Cisco 2900 Routers & Router Ethernet Interface Cards (2 nos)
	KLEINROCK	Intel Xeon Computer(work station)-(1 nos), Core i3(10 nos) ,Core i5-(10 nos), Cisco

	PG LAB-NETWORK ENGINEERING	router-Cisco2901(1 no), Cisco console cable(1 no), Cisco SG300 28 port managed switch(2 nos), Cisco Duel Band Signal Point Access point(2 nos), Netgear Prosafe 12 port Fiber Gigabit L2+PoE+ Managed Switch(1 no), Netgear AGM 731 F-SXLC-SEP(2 nos), Mrotek Transreceiver (1 no)10/100/1000 Cable Tester (1 no), EPSON EB-S02(LCD Projector-1 no)
COMPUTER SCIENCE & ENGINEERING	Bohr	1) Storage server for library. - Qnap storage 2) Photo server - SunFire x2200 3) Jayarajan project server - SunFire x2200 4) Rset website backup server – Sunv20z 5) Civil file storage server - Hp DL320e 6) Library Server. - Hp DL 80 7) Rset website server. - PowerEdge R720 8) Rset website server. - PowerEdge R720 9) Rset Firewall - Cyberoam 10) Hostel switch - Dell powerconnect 11) College file server - Emc Storage 12) Vodafone gateway - MUX device ISP 13) Rset storage Backup – dell optiplex 390 14) Exam server – Hp Compaq 2355 15) Matlab 1 - Optiplex 740 16) Placement - Optiplex 390 17) Matlab 2 – sunfire v490 18) Library server – Hp 6005

		19) Old email server – Hp 2355
		20) 2 workstation and 1 placement - Optiplex 3020
		21) Graphic workstation – dell precision 3620
		22) Test machine – Lenovo think centre
		23) Printer - Hplaserjet pro
		24) Outreach server – dell optiplex 390
		25) Switch – dlink des1024
		26) Switch – netgear FS726T
		27) Switch – cisco sg300
		28) Switch –hppro curve poe
		29) Switch – hp pro curve 181g Rack.
		30) Biometric device - linux device biometric.
		31) Rajagiri Hospital rack - Hp disaster recovery back server.
	Heisenberg	Dell Optiplex 3020,RAM :- 8 GB,HD:- 500 GB, i5, 65 nos, Dell Monitor 18.5 ' :- 65 nos. Dell Optiplex 3040, RAM:- 8 GB, HD:-500 GB, i5,3 nos, Dell Monitor 18.5' :- 3 nos EPSOD ES-S31 Projector
	CODD lab	HP Compaq (17) ,Dell Optiplex(6), Dell Optiplex 740 (1) EPSON EB-S31Projector
	Central computing Facility	HP Compaq DX 2335 Desktop (63 nos), HP 280 G1MT (3 nos), Kyocera Taskalfa 4501i , Konica Minolta Bizhub c 200 color printer, EPSON EB-525WProjector (1 no),

		Switches 7 nos, UPS Emerson 2 nos,Dell optiplex (5), 32 Batteries.
	Photon	Dell Optiplex 390(63)
	Turing	EPSON EB-S02 Projector, Dell Optiplex(25), [Dell precision t1600(3),Dell precision t35000(2),DellT410 server(1)] -shifted to cloud setup.
MECHANICAL ENGINEERING	Fluid Mechanics Laboratory	1. . Metacentric height apparatus 2. Bernoulli's Theorem Apparatus 3. Adjustable Channel Apparatus 4. Reynold's Apparatus 5. Pipe friction Apparatus 6. Calibration test rig for Venturi meter & Orifice meter 7. Pitot Tube Apparatus 8. Notch Apparatus 9. Orifice & mouth Apparatus 10. Cut Models of different Valves 11.Pipe die set, pipe wrench, spanners etc. .
	Heat Engine Lab	1. Twin Cylinder Four Stroke Diesel Engine Test Rig 2. Four Cylinder Four stroke Petrol Engine Test Rig 3. Single Cylinder Slow speed Diesel Engine (Retardation Test)

		4. Multy Cylinder Diesel Engine Test Rig
		5. Single Cylinder Two Stroke Petrol Engine- Test Rig
		6. Cleaveland Flash & Fire Point Apparatus
		7. Red Wood Viscometer
		8. Bomb Calorimeter apparatus
		9. MCPE Test Rig Apparatus
		10. Cut Section model of Single cylinder two stroke Petrol Engine
		13. Cut Section model of Single Cylinder four stroke Diesel Engine.
		14.Air Conditioning Test Rig
		15. Refrigeration Test Rig
	Machine Tools Lab	1. . Lathe-15 Nos 2 MIG Welding Unit 3. TIG Welding Unit 4. Radial Drilling Machine 5. Power Hack Saw 6. Gas welding Unit 7.Bench Grinding Machine 8. Heavy duty Special purpose late with assy. 1 no 8.Lathe assy. and Cutting tools
	Hydraulics Machine Lab	. Pelton Turbine Test Rig, 2.Francis Turbine Test Rig,

		3. Kaplan Turbine Test Rig,
		4. Hydraulic Ram Test Rig,
		5. Gear Pump Test Rig,
		6. Jet Pump Test Rig,
		7. Malty Stage Pump Test Rig,
		8.Centrifugal Pump Test Rig,
		9.Reciprocating Pump Test Rig ,
		10. Self Priming Test Rig , 11. Cut Section model of Centrifugal Pump , 12. Cut Section model of Reciprocating Pump ,
		13. Cut Section model of Self Priming Pump, 14.Models of different pump Impellers and Turbine runners.
	CAD/CAM Lab	1Computer systems (hp Z 230 Tower workstations) 40 nos
		2.Servor- 1 no.
		3.Catia v6 FLM discover pack 33 user pack
		4. Projection Screen
		5. LCD Projector
		6. ANSYS ACADEMIC TEACHING ADVANCED Version 11.0 - 5 users
		7.ANSYS Fluent Academic Teaching software Version 6.3 - 25 users
	Advanced Machine Tools Lab	1. 1. Shaping Machine (Make:Sgar 18") - 8 nos
		2. Slotting Machine (Make : KB Puncha 7") - 8 nos.
		3. Universal Milling Machine with vertical attachment (BFW UV-2) - 1 no
		4. Vertical milling machine (BFW VF – 2) 1no

		5. Hydraulic Surface grinding machine (Make : Perfact) – 1No
		6. Hydraulic Cylindrical grinding machine with internal boring attachment 1 no
		7. Tool and cutter grinding machine (Make : ADDISON TC-30) - 1no
		8. CNC turning centre (cnc lathe) HMT Stallion 100S – 1no.
	Mechanical Measurement Lab	1 Bourdone pressure gauge trainer 1 no 2 Michelson interferometer 1 no 3 Gear tooth vernier 1 no 4 Sine bar 1 no 5 V-Block 1 no 6 Surface plate 1 no 7 Strain measurement trainer module 1 no 8 Temperature measurement module 1 no 9 Temperature measurement module (thermocouple) 1 no 10 Planimeter 1no 11 Digital sound level meter 1 no 12 Anemometer 1 no 13 Surface roughness 1 no 14 Tool Makers microscope 1 no 15 Profile Projector 1 no 16 Inside micrometer 1 no 17 Micrometer head 2 nos

		18 Magnetic stand 1 no
		19 Digimatic indicator 1 no
		20 Vernier calliper 1no
		21 Universal bevel protractor 1no
		22 Precision levels with adjusting 1 no
		23 Vibration measurement system 1 no
		24 Dial indicator 1no
		25 Digimatic calliper 1 no
		26 Maintenance kit for Gauge block 1 no
		27 Dauge block set 1 no
		28 Outside micrometer 1 no
		29 LVDT trainer kit 1 no
	MECHANICAL SYSTEMS LAB 	1. Universal vibration test Rig, 2. Static & Dynamic Balancing Apparatus, 3. Universal GovernorApparatus 4. Balancing of reciprocating mass apparatus 5. Journal Bearing - Testing Apparatus 6. Thermal Conductivity of Insulating Powder (Heat Transfer through a Concentric Sphere) 7. Heat Transfer through Lagged Pipe Apparatus 8. Heat Transfer through Composite Walls Apparatus Model:HT01 9. Heat transfer through Natural Convection

		10. Heat Transfer in Forced Convection 11. Stefan Boltzman Apparatus Model 12. Heat pipe Apparatus 13. Parallel flow counter flow heat exchanger 14. Critical heat flux apparatus
CIVIL ENGINEERING	Survey Lab	1. Theodolite - 11 Nos 2. Plane Table- 11 Nos 3. Pantagraph - 1 No 4. Levelling staff - 10 Nos 5. Tangent clinometer - 1 No 6. Hand Level - 1 No 7. Ceylon Ghat Racer - 1 No 8. Box Sextant - 1 No 9. Measuring Tape- 6 Nos 10. Ball Pen Hammmer - 6 Nos . 11. Steel Peg - 40 Nos, 12.Total Station with accessories- 1 No. 13.Teachers table- 1 No 14. Students table -17 Nos. 15.Plastic chair - 35 Nos. 16. Steel Almeerah-2Nos.

		17. White board- 1No.
		18. Notice Board- 1 No.
		19.Wooden rack- 1 No.
	Civil Workshop	1.Land Measuring Chain - 12 Nos
		2. Ranging Rod/ Offset Rod - 38 Nos
		3. Cross Staff with Pole- 9 Nos
		4. Optical Square - 2 Nos
		5. Plane Table Set - 3 Nos
		6. Spirit Level - 2 Nos
		7. Magnetic Trough Compass - 2 Nos
		8. Planimeter - 1 No
		9. Levelling Staff- 5 Nos
		10. Dumpy Level - 8 Nos
		11. Prismatic Compass - 11 Nos
		12.Transit Theodolite - 1 No
		13. Plumbing Fittings - LS
		14. Arrows - 51 Nos
		15. Measuring Tape- 9 Nos
		16. Wooden Mallet - 3 Nos
		17. Wooden Peg - 17 Nos
		18. Plumb Bob - 3 Nos
		19. Vernier Caliperernier 4 Nos.

		20 . Teachers table - 1No.
		21. Students table-18No.
		22. Plastic chair- 32 No.
		23. Wooden stool- 5 No.
	Geo-Technical Lab	1. Pycnometer - 5sets
		2. Sieve shaker - 1set
		3. IS Brass sieves- 1set
		4. Soil Hydrometer-4no
		5. Is sieve 75microns- 1no
		6. High speed stirrer-1no
		7. Core cutter-1no
		8. Sand pouring apparatus-1no
		9. Liquid limit device-2no
		10. Spatula-4no
		11. Plastic limit apparatus-1no
		12. Shrinkage Limit-2no
		13. Compaction Test Apparatus-Ino
		14. Permeability Apparatus-1no
		15. Overhead Tank-1no
		16. Consolidation Apparatus-1no
		17. Direct Shear Test Apparatus-1no
		18. Triaxial Test Apparatus-1no

		19. Unconfined Compression Tester-1no
		20. Vane Shear Apparatus-1no
		21. Table: 18 Nos.
		22. Plastic Chair: 2
		23. Plastic Chair: 2
		24 Wooden stool: 33
		25. White board: 1No.
		26. Steel Almirah : 1 No.
		27. Computer: 1 No.
		28. Hot Air oven -1no
	MT LAB-I	1. Uninversal Testing Machine- 1
		2. Shear Test Attatchment -1 No.
		3. Extensometer- 1No.
		4. Torsion Testing Machine - 1 No.
		5. Impact Testing Machine- 1 No.
		6. Vickers Hardness Tester- 1 No.
		7. Rockwel cum Brinnel Hardness- 1 No
		Testing Machine
		8. Torsion Pendulam - 1 No.
		9. Clerkmaxwell Apparatus-1 No.
		10.Dial Gauge- 2 Nos
		11. Fatigue Testing Machine

		12. Teachers Table- 1 No.
		13. Jefferson Chair- 36 Nos.
		14. Steel Almirah- 1No.
		15. Notice Board- 1No.
		16. Plastic chair-2 No.
	Material Testing Lab II	1.Vicat Apparatus-1no
		2.Steel Mould-6nos
		3. Vibration machine-1no
		4. Automatic mortar mixer-1no
		5. Lechatelier mould-1no
		6. Lechatelier flask-1no
		7. Air permeability apparatus-1no
		8. Compaction factor apparatus-1no
		9. Slump test apparatus-1no
		10. Consistomter-1no
		11. Flow table-1no
		12. Kelly Ball Apparatus-1no
		13. Lateral Extensometer-1no
		14. Longitudinal Compressometer-1no
		15.Flexure Testing Machine-1no
		16. Pycnometer-5nos
		17. Bulk Density Measures-1set

		18. Tile Flexure strength Testing Machine- 1no
		19. Tile abration testing machine-1no
		20. Concrete Test hammer-1no
		21. Gauging trowel
		22. Tamping rod-4nos
		23.Concrete Mixer Pan type-1no
		24. Vibrating Table-1no
		25. Cast Iron mould-9no
		26. IS sieves GI- 2set
		27. IS sieves brass-2sets
		28. Cylindrical metal measure-1no
		29. Aggregate crushing value apparatus-1no
		30. Beam Mould 150x150x700-3nos
		31. Hot air oven-1no
		32. Beam Mould100x100x500-4nos
		33. Needle vibrator- 1no
		34. Electronic Balance10kg-1no
		35. Mechanical Platform300kg-1no
		36. Students table: 18
		37. Wooden stool: 36
		38. Steel Almeerah: 2Nos.
		39. Cylindrical mould-3no

	TRANSPORTATION ENGINEERING LAB	1. Buoyancy balance – 1no 2. Thickness Gauge-1no 3. Length Gauge-1no 4. IS sieves GI frame 30cm dia- 1set 5. IS sieves brass frame 20cm dia-1set 6. Sieve shaker-1no 7. Los angeles abrasion testing machine-1no 8. Pycnometer -1no 9. Marshall Apparatus-1no 10. centrifuge extractor-1no 11. Automatic compactor-1no 12. Asphalt mixer- 1no 13. Stripping value apparatus – 1no 14. Cylinderical metal measures 30lit, 15lit and 3lit – 1no 15. CBR Apparatus-1no 16. Ring and ball apparatus-1no 17. Ductility test apparatus-1no 18. Specific gravity bottle- 3nos 19. Pensky martens apparatus-1no 20. Standard tar viscometer-1no 21. thermometer 0 to 45degree-2no 22. thermometer 40 to 85 degree-2no

		23. thermometer 76 to 122 degee-2no
		24. thermometer 5 to 110 degree-2no
		25. thermometer 90 to 370 degree – 2no
		26. Aggregate crushing value apparatus-1no
		27. Aggregate impact tester -1no
		28. Density basket- 1no
		29. Hot air oven – 1 no
ENGINEERING CHEMISTRY		Potentiometer-4, Colorimeter-4, Conductivity Meter-4, pH Meter-4, Electronic Balance-1,Magnetic Stirrer with hot plate-5, Magnetic Stirrer with stirrer-5, GLASSWARES,Chemicals.
ENGINEERING PHYSICS LAB		CRO, Optical Fibre Instrument, Diode Laser, Spectrometer, Travelling Microscope, Thermocouple
LANGUAGE LAB		Computers-36, headphones, air conditioners, White board, Display board, File Cabinet

10.15. Infrastructural Information

Classroom/Tutorial Room facilities	Class rooms - 46 Tutorial rooms - 6 PG Class rooms - 12 Seminar halls - 5 Drawing halls - 2 Central computing facility - 1 Computer Labs - 16 Central Library - 1 Department library - 5 Laboratories - 50 Workshops - 3 Conference Room - 3 HOD's rooms - 8 Auditorium - 1 Language Lab - 1 Examination Halls - 5
Computer Centre facilities	806PC/Laptop available to students,36 PCS/Laptop in language lab, Internet Bandwidth in Mbps:130,Internet contention ratio:1:1 Printers available to the student:57 Number of Legal system software:5

	Number of Legal Application software:25	
Library facilities	Total Library Area in sq m	685.21 Sq.M.
	E Journal Subscription	E Journal Package: 1 .ASCE 2.ASME 3.IEEE/IET Electronic Library(IEL)
	Reading Room seating Capacity	201
	Reprographic Facility	Yes
	Working Hours from to	8.00 A.M. – 8.30 P.M. Sundays and Holidays – 9.30 A.M-4.00 PM
	Multimedia PCs and Digital library facilities	30 PCs

		Digital library facilities
		E – Alethea : RSET Digital library includes 1. Links to various sites of academic interest. 2. Public domain materials like Conference Papers, Electronic Theses and dissertations, Technical Reports, FAQ"s and electronic books.
		Institutional Repository: includes 1. Faculty collections : papers/articles/invited lectures. 2. Previous University Question Papers 3. RSET internal examination question papers. 4. Proceedings of the conference organized by RSET 5. Student project report and seminar report.
		Video Library: (Streaming video archive) Video lectures procured from NPTEL and C – DEEP IIT Bombay
	Total expenditure on books, journals and subscription	Rs. 44,43,787-
	Current Annual Budget	Rs. 61,00,000-

Auditorium/Seminar halls/Amphi		Yes ,Available
Cafeteria		Yes ,Available
Indoor Sports facilities	Yes ,Available	
Outdoor Sports facilities	Yes ,Available	

Gymnasium facilities	Yes ,Available	
Facilities for disabled	Yes ,Available	
Any other facilities	Transporting	Post Office	Healthcentre

10.16

Boys Hostel	Yes, Available
Girls Hostel	Yes, Available
Medical & other Facilities at Hostel	Yes, Available

10.17

Academic Sessions	Forenoon session and Afternoon Session
Examination system, Year/ Sem	Semester system
Period of declaration of results	After finalization of results by the university for every Semester

Counseling /Mentoring	Available

10.18

Career Counseling	Available
Students Activity Body	Available
Medical facilities	Available
	Available
Student Insurance	Group Insurance Available
Cultural activities	

10.19

Sports activities	Available
Literary activities	Available
Magazine /Newsletter	Available
Technical activities/Tech Fest	Available
Industrial Visits/Tours	Available
Alumni activities	Available

10.20.

Name of the Information Officer for RTI	DR. A. UNNIKRISHNAN
Designation	Principal
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CAY=Current Academic Year

*Repeat this template for each department / staff.
#Repeat this template for additional quota, if any.

^Add photographs