

COLLEGE ANNUAL REPORT FOR THE YEAR 2013 – 2014

I take great pleasure in presenting the 13th Annual Report of Vimal Jyothi Engineering College documenting its development and achievement for the year 2013 – 2014. This year is marked with many events and success stories. This can be attributed to the dedication and team spirit of the management, staff members and the students.

The college admits students in the following B.Tech branches:

1. Applied Electronics & Instrumentation(60)
2. Civil Engineering(120)
3. Computer Science & Engineering(60)
4. Electronic & Communication Engineering(60)
5. Electrical & Electronic Engineering(60)
6. Mechanical Engineering(120)

And the following M. Tech branches:

1. M. Tech in Computer Science & Engineering.
2. M. Tech in Thermal Engineering.
3. M. Tech in Communication Engineering & Signal Processing
4. M. Tech in Control & Instrumentation.
5. M. Tech in Power Electronics.
6. M. Tech in Structural Engineering & Construction Management.

Departmental Activities:

Department of Applied Electronics & Instrumentation:

- An international conference on emerging trends in Engineering & Technology was conducted in association with six professional bodies on 28 March 2014
- Conducted technical fest 'Yantrik2k14' on 4/4/2014. The events included, Robo Soccer, Obstacle avoider Robot, Project Expo, Paper Presentation & Technical Quiz
- The students of **2012-2016 Batch** visited **Travancore -Cochin Chemicals Ltd.** and **Wonder la Holidays Private Limited**, Kochi.
- A one day Industrial visit for the students of **2012-2016 Batch**, to **The Western India Plywoods Ltd., Kannur** was conducted on 25th September 2014.

Department of Computer Science & Engineering:

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- The department organized a technical fest, “PEBKACZ 2K14” with events like treasure hunt, photo editing, web designing, best googler, coding & debugging competitions.
- Conducted two day workshop named “MOBIPRENEUR” based on Android platform.
- Dr. Najeeb, HoD, Govt. Engineering College, Kannur handled a workshop on PHP for final year B.Tech students.

Department of Electronics & Communication Engineering:

- On the 3rd of March, 2014 as part of CoECWN (Centre of Excellence in Communication and Wireless Networking) programme, established ties with ABE Semiconductor Designs and Quest Innovative Solutions.
- Organized a five-day workshop on “Digital signal Processing” in industrial collaboration with ABE Semiconductor Design, Chennai on 14th – 18th January 2014.
- Organized a five-day workshop on ”Network Simulator-2” in industrial collaboration with ABE Semiconductor Design, Chennai on 10th to 14th February 2014
- Inaugurated professional body chapter IETE during the academic year 2013-2014.
- Technical Fest Adharva 2K13 was hosted. The main events were Aavishkar and Pixels. The event conducted with a technical focus comprised of competitions such as ‘NAVIGATOR’, ‘PROJECT-X’, ‘MIND SPARK’, ‘SPECTRA’ & ‘TECHWIZ’ in parallel venues of the college. Robotic events such as ‘CIRCUIT RACE’ were also held as a competition.
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- Conducted a two day work shop on signal processing with simulink.
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Department of Electrical & Electronics Engineering:

- conducted departmental activity Rayo on 29th Oct.2014consisting of Technical exhibition, Paper presentation and Quiz completion.

- started IEEE IAS VJEC Branch on 26/01/2014 and was Inaugurated by IAS CMD Chair, Dr Peter Magyar.

Department of Mechanical Engineering:

- Conducted two days work shop on ‘INTRODUCTION TO AUTO CAD’ for first year B Tech students.
- Conducted a special invited talk on “Expanding of small scale industries” on 17th January 2014. The sessions were engaged by Mr. A. Salim, General Manager of Department of Industries and Commerce (DIC) Kasaragod.
- Conducted detailed CNC TRAINING PROGRAMS for staff and students. The training sessions were handled Mr. Jacob Thomas, Senior professor from Govt. polytechnic college Payyanur.
- Conducted a seminar on 3d printer technology on 14th October 2014 by team FLASHFORGE.
- Invited talk on “SATELLITE LAUNCH VEHICLES OF INDIA” by Dr. N Narayanamoorthy (Former Associate Director VSSC) on 22nd Aug 2014.
- Conducted a talk on Industry-Institute Relationship for Entrepreneurship development by Mr. K. Vinod Narayanan (President- North Malabar Chamber of Commerce Managing Director-PVN industries Kannur).
- The department conducted a ‘Demonstartion of fast prototyping (3D PRINTER) technology’ to introduce the 3-D printing machine.
- Organized a discussion about emotional intelligence, what a company expect from an good engineer, tips and tricks for facing interviews etc. by Mr.Manoj Krishna (senior technology architech & Vice president of Technology, Accenture.)
- Robotic club conducted one day Arduino workshop and pick and place robotic competition workshop for students on 31st august 2014

Department of Civil Engineering:

- Started ISTE VJEC Branch on 30/09/2014 and were inaugurated by Dr P.T Rajan.
- A strategic partnership is made between Vimal Jyothi Engineering College CE Department on and HERE Map Creator Community on 8th October 2014.

FACULTY ACHIEVEMENTS/ PUBLICATIONS:

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- Mr. Shinu M M and Mr. Dileep K have conducted a FDP on 'Industrial automation' on 6/1/2014 to 10/1/2014 at Adi Sional confhankara Institute of Eng and Technology,Kalady
- Mr. Akhil Jose has attended one day workshop on Intellectual Property Rights Awareness on 5/10/2013 at NIT Calicut.
- Ms. Reema Mathew has presented a paper in an International conference conducted at Nehru college of engineering.
- Ms. Divya B, Mrs. Neena V V & Mrs. Vidhya S S attended one week workshop

on “PRACTICAL NETWORKING” at GEC Kannur in Jan 2013.

- Mr. Rahul Ajithkumar, Mr. Sunder V & Mrs. Jaya John attended a two day workshop on “APPLICATIONS OF FUZZY LOGIC& GRAPH THEORY IN ENGINEERING” at CAPE Thalassery.
- Ms.Divya B, Mrs. Neena V V, Mrs. Vidhya S S, Mr. Midhun T P & Mr. Sunder V attended a two day workshop on NS-2 at IITMK organized by ACM Chapter,TVM. The session was handled by Mr. Mohith Tahiliani, AP, NIT-Suratkal.
- Mr. Sunder V and Mr. Midhun TP along with Mr. Vasudevan (ASH Dept.) had conducted the Sahodaya Quiz Competition held at Kasturba EM School on 7th Oct 2013.
- Ms. Shimna Poulouse was chosen as the Best outgoing PG students in NIT Warangal.
- Mr. Jagannath MP ,HOD ASH Department attended a three day national level workshop on Random Processes at Amal Jyothi Eng. College Kanjirappally.
- Sr. Lillykutty has participated in the National Conference on “Ecocriticism” held at BITS, Pilani and Presented a paper on “Mavillan Tribe and Environmental Ethics”.

STUDENTS ACHIEVEMENTS:

- **Ms. Ashida** Secured the third rank in civil engineering discipline in the year 2014 from kannur University
- **Mr. JINESH JOY** who was a student in ME department (2010-14 Batch), he bagged 2nd rank in Kannur University.
- The university rank holders of E&I department for the academic year 2013-2014 are: Sangeetha P K-1st Rank, Sreeragi C K-2nd Rank Thulasi M Santhi -3rd Rank
- Ms Smruthi PV of S8 EEE has been selected as the IAS international Program Coordinator for the year 2015-2016.
- Four of our students, Smruthi PV , Sneha Ramakrishna, Ameen and Jyothis Joseph selected to participate in IEEE IAS Annual meet at Van Hover , Canada.
- Mr Meghanath and Mr Jyothis Joseph has secured various prizes paper presentation contests including First prize at BITS Pilani - Goa, First and Third Prize in Saintgits Collage of Engineering, Senguthar Engineering Collage with a sum amount of 12K.
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PROFESSIONAL BODIES:

- ECE department inaugurated professional body chapter IETE during the academic year 2013-2014.
- SAE Club conducted 'Aeromodelling Competition' on 19th Aug 2014.
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- Programmes conducted in EIE department under the banner of ISOI. Five days workshop on plc and scada by yil, five days workshop on 'plc & scada' by smec labs, cochin, five days workshop on 'image processing using matlab', by castalia research lab, mumbai, three days workshop on "plc & scada" by smec labs, cochin, seminar on 'plc & scada' by smec labs, cochin
- CE Department started ISTE VJEC Branch on 30/09/2014 and were inaugurated by Dr P.T Rajan.
- CSE Department under the banner of CSI organized a one week workshop on "COMPUTER VISION" was organized for the PG students in the month of Oct 2013. Resource person for the workshop was Mr. Nithin Vadakkeppat, MD, Castalia Research lab Pvt Ltd., Navi Mumbai.
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- EE Department secured two international awards including Most Happening chapter award and outstanding new IAS chapter award.

NSS : Unit No. 194

The NSS Unit of VJEC has been actively involved in many innovative initiatives under the guidance of the new Programme Officer Mr. Dominic n Thomas. Under the banner of Charity Pilgrimage, the students visited places like Thabore, Karunapuram, Peravoor, Melechowva, Nellikampoyil etc where

real charity is a reality. NSS Special camp for the year 2014 is held at St. Thomas HSS Thomapuram from 18-12-14 to 24-12-14. NSS members attended Nature Friendly Camp organized by Forest Rane Office Kannavam. Under the leadership of NSS Volunteers the College students participated in “Run Kerala Run.” The NSS volunteers render their service in many fields to help the needy.

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KANNUR UNIVERSITY

Information for inclusion in the Annual Report for the year 2016

(Separate sheet may be used wherever necessary)

1. Name of the College: **VIMAL JYOTHI ENGINEERING COLLEGE**
2. Whether Government/Aided/Unaided: **Unaided**
3. Address: **Jyothi Nagar, Chemperi P.O., Kannur District 670632.**
4. Brief Description of the College: **Vimal Jyothi Engineering College (VJEC) is a vibrant fast growing, ISO 9001:2008 certified, Private, Co-educational, Minority Institution, committed to provide value based quality education & training in Engineering & Technology. Established in the year 2002 in the serene and soothing backdrops of Western Ghats by Meshar Diocesan Educational Trust as a prestigious educational project of the Archdiocese of Thalassery.**
5. Name of the Principal: **Dr. Benny Joseph**
6. Name of the College Management *(in the case of aided and unaided)* **MESHAR Diocesan Educational Trust, Thalassery**
7. Telephone Numbers: Office, Residence, Mobile: **0460 2212240, 2213399**
8. FAX No, E-Mail: **0460 213513, vjecmail@gmail.com**
9. Website Address: **www.vjec.ac.in**
10. No. of Departments a) UG b) PG : **UG and PG**
11. Courses offered and sanctioned strength:
 - B. Tech Applied Electronics & Instrumentation: 60**
 - B. Tech Civil Engineering: 120**
 - B. Tech Computer Science & Engineering: 60**
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 - M.Tech Structural Engineering & Construction Management : 24**
 - M.Tech Thermal Engineering : 24**

Staff Position:**A. Teaching Staff:**

Sl.No.	Designation	Total Number
1.	Professor	10
2.	Associate Professor	25
3.	Assistant Professor	127
4.	Guest Lectures	2
Total		164

Non Teaching Staff:

Sl.No.	Category	Permanent /Temporary	Total Number
1.	Administrative staff	25	25
2.	Library staff	05	05
3.	Laboratory staff	2	2
4.	Technical staff	36	36
5.	Others (specify) - Sweepers Security & Drivers	30	30
		30	30
Total		128	128

Staff Development Programme:

a)	No. of teachers who are deputed for higher studies under FIP	1
b)	No. of teachers who are granted leave for higher studies other than FIP	5
c)	Details of teachers, who were /are deputed for invited lectures/ presentation in seminars/workshops/ conferences of National/International level (<i>Refresher/Orientation Course is not to be included</i>)	

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- Mrs. Ancy K Sunny attended a 3 day workshop on "Automation with the help of Macros" at GEC, Idakki from 3rd Jan-5th Jan 2014.
- Ms. Divya B & Mrs. Neena V V attended a one week Foundation Program at Infosys Mysore Campus from 27th Jan - 31st Jan 2014.
- Ms. Divya B, Mrs. Neena V V, Mrs. Vidhya S S, Mr. Midhan T P & Mr. Sunder V attended a two day workshop on NS-2 at IIITMK organized by ACM Chapter, TVM. The session was handled by Mr. Mohith Tabiliani, AP, NIT-Suratkal.
- Mr. Jagannath MP, HOD ASH Department attended a three day national level workshop on Random Processes at Amal Jyothi Eng. College Kanjirappally.
- Sr. Lillykutty has participated in the National Conference on "Ecocriticism" held at BITS, Pilani and Presented a paper on "Mavillan Tribe and Environmental Ethics".
- Mr. Prasanthkumar PV & Mr. James Mathew attended a 5 day Campus Connect Foundation Program at Infosys SEZ Campus, Mangalore from 15th - 19th Dec 2015.
- Robotic club conducted one day Arduino workshop and pick and place robotic competition workshop for students on 31st august 2014
- 5 days STTP on Industrial Automation & Virtual Instrumentation at Don Bosco Engg College, Goa was attended by Mr. Dhanoj M & Akhil Jose.
- Dr. G Glan Devadhas attended a workshop on Collaborative Research Ideation at APJ Abdul Kalam University, Trivandrum on 08/09/2016
- Organizing one day workshop on "TRANSITION FROM ISO 9001:2008 TO ISO 9001:2015"- By Cdr. Raju KK & Appu Kurian
- Paper accepted and got published in ICEFTET GOA conference proceedings by Mr. Sunder V and Mrs. Vidhya S S.

- Six faculty members for the CS&E department attended 10 days training on "Apple iOS appdevelopment" from 29th Dec to 7th Jan 2017
- Mr. Manoj V Thomas, CS&E, attended a conference on "Higher Education" at Coimbatore from 2nd and 3rd Dec 2016.
- Published Paper titled "LCS for MRI Scanning" in IJCA(Vol:154 Nov 16) by Roshini T V
- Dr. Justin Sunil Dhas, Professor EEE Department Participated in the workshop on "Quality Initiatives in Technical and Higher Educational Institutions" held at "Engineering Staff College of India, Hyderabad", during 6th to 8th December, 2016.
- Mr. Thomas John participated in NSS Program Officers meet in Muthoot Institute of Technology

d) Details of various distinctions achieved by the teacher during the years.

Sl.No.	Name of Teacher	Name of the programme

e) Representation of faculty members in academic bodies

Sl.No.	Name of faculty	Details
	Dr. Benny Joseph, Principal	1. Member, Board of studies in Engineering (UG) Kannur University 2. Technical Expert, Student Entrepreneurship Scheme, Kannur University

14. Research Programmes:

- a) Whether the college has been recognized as a research centre? N.A
b) If so, subjects of research in the centre: N.A

15. Details of research supervisors, if any

Sl. No.	Name of the Supervisor	Address	Broad Area
	N.A	N.A	

16. Details of Ph.D. results:

Sl. No.	Details	Name of the Supervisor	Subject
1.	No. of Ph.D. Degree awarded	N.A	
2.	No. of Ph.D. thesis submitted	N.A	

17. Details of published works

Sl. No.	Title	Details
	<ul style="list-style-type: none"> • Ms Jerrin Yomas published papers on A review on feature extraction and denoising of ECG signal using wavelet transform, IEEE, A Survey of Single Image and Multi Image Super Resolution Techniques, USR • Mr Arun Raj A.C AP ME, published papers on Integration of Knowledge based system in benchmarking for healthcare system : A DEA based approach , ICMF 2013, Thrissur • Mr. Sujith, K. A.P ME, published papers on Design of active solar water heating system using F-chart method. IJERT 2013 Multi objective optimization of fuel cell intergraded hybrid energy systems, IEEE (accepted for publication) 2014. • Ms. Liliya T Jose published a paper titled "A New Approach to Compute Structural Statistics using Keywords" in IJAIR journal Aug 2103. • Sr. Lillykutty has participated in the National Conference on "Eco-criticism" held at BITS, Pilani and Presented a paper on "Mavillan Tribe and Environmental Ethics". 	

3.	Books	<ol style="list-style-type: none"> 1. A Comparative study on Neural Network, Fuzzy logic and Neuro-fuzzy Technique for the Human Locomotion Angle Prediction (Ms. Tinu George, A.P. EEE) 2. Interleaved Luo Converter for the Residential PV Grid Connected Systems (Ms. MARY HELNA MUTTATH, A.P, EEE) 3. Grid Interconnection of PMSG Based Wind Energy System with Power Quality Improvement (Ms. INDULEKHA K M, A.P, EEE) 4. Control of Longitudinal Motion of UAV by Sliding Mode (Ms. Meera.P.Nair, A.P, EEE)
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18. Details of research scholars

Sl. No.	Name of the Supervisor	No. of Res. Scholars	Full-time/Part-time
	N.A		

19) Details of teachers who have obtained higher degree last year:

20) Details of completed/ongoing Major/Minor research programmes

Sl.No.	Name of the teacher	Title
1.	Mr. Jubin Sebastian E, Asst Prof., ECE	Ph.D
2.	Ms. Ancy Rani Devasia, Asst Prof., ASH	Ph.D
3.	Mr. Jithin K Jose, Asst Prof., EEE	Ph.D

Sl. No.	Title	Funding Agency	Status
	N.A	N.A	
Sl. No.	Title	Area	Status
	N.A	N.A	

21. Details of Consultation programmes

Sl. No.	Title	External Agency	Status
	N.A	N.A	

22. Details of Out-reach programmes

Sl. No.	Title	Area	Status
	N.A	N.A	

23. Library Facilities:

- No. of books in the Library: **24536**
- No. of new books added to the Library during 2016: **1306**
- No. of journals subscribed by the Library: **795**
- No. of new journals subscribed during the year 2016: **2**
- Whether e-journal facility is provided in the library? **YES**
- Whether separate provision has been given for research students in the library : **N.A**
- Museum: **N.A**
- Archives: **N.A**
- Art Gallery: **N.A**

24. Laboratory facilities:

- No. of laboratories for PG courses : **31**
- No. of laboratories for UG courses : **18**
- No. of research laboratories : **N.A**
- Details of major equipments for research : **N.A**
- Details, if any, of new laboratory facilities provided by the college during the year:
 - Language Lab**
 - Research Lab**
 - CAD Lab**
 - Project Lab& Intel Intelligent Lab**

25. Computer/ Internet facilities

- Common computer/internet facility : **729 computers with internet facilities**
- Whether computers/internet facility is provided for teachers: **Yes**
- No. of computers/internet facility provided for research scholars: **42**
- No. of computers/internet facility provided for students : **425 Laptop computer with internet facility. Apart from this students are free to use individual Laptop availing internet connection from the College.**

26. Extra Curricular Activities:

- Sports & Games
 - Membership of students in the University/State/Indian teams:
 - Badminton**
 - Jishnu Jayaraj
 - Nayana P.C
 - Athletics**
 - Jithu Varghese
 - Nithin C.H
 - Prizes won by the college teams/individual/participants in University/Inter University/State/National events:
 - University**
 - Walking 20 km : Third Prize
 - Shot put : Third Prize

- c) Records, if any, broken by the individual players: **NIL**
 d) New sports facilities, if any, provided during 2016: **NIL**
B. Arts Festival
 a) No. of students who participated in the University arts festival: **28**
 b) Details and No. of students, who won the prizes: **4**
 c) Details of individual championship:
 1. Prasangam: Akarsh K.V - First Prize
 2. Painting : Aiswarya Ganesh - Second Prize
 3. Painting-water color: Aiswarya Ganesh- Second Prize
 4. Light Music: Visakh S.K. - Third Prize

27. Student strength:
 a) Total No. of students including research scholars: **1734**
 b) Details of students

Year	No. of students studying in the Department							
	Male	Female	SC/ST	OBC/OEC	Diff. abled	BPL	Gen	Total
UG I Yr.	285	139	6	230	-	05	188	424
UG II Yr.	280	149	4	233	-	15	192	429
UG III Yr.	267	148	9	201	-	08	205	415
UG IV Yr.	243	144	9	192	-	13	186	387
PG I Yr.	07	36	0	03	-	02	40	43
PG II Yr.	04	32	0	0	-	01	36	36
M.Phil.	-	-	-	-	-	-	-	-
Ph.D.	-	-	-	-	-	-	-	-

c) Percentage of pass during the year for each course of study:

28. Co-Curricular Activities
 a) No. of students enrolled in NSS : **100**
 b) No. of Students enrolled in NCC : **NIL**
 c) Details and No. of NSS units : **1Unit, 50**
 d) Details and No. of NCC units : **NIL**
 e) Any other co-curricular activities/achievements made by the students:

29. Progress of the following Student welfare activities
 a) Anti ragging and anti-Harassment Cell : **Campaign Conducted**
 b) Grievances redressal Committee : **Yes**
 c) Women's development : **Yes**
 d) Hostel facility for Men and Women : **Available**
 e) Counseling : **Available**
 f) Recreation : **Available**
 g) Health centre : **Available**
 h) Endowments and scholarships : **Available**
 i) Any other student programmes : **NIL**
 30. Any other relevant information: **NIL**

Place:Chempери

Date: 2/2/17



Signature of the Principal

PRINCIPAL
VIMAL JYOTHI ENGINEERING COLLEGE
CHEMPERI - 670 632

KANNUR UNIVERSITY

Information for inclusion in the Annual Report for the year 2017

(Separate sheet may be used wherever necessary)

1. Name of the College: **VIMAL JYOTHI ENGINEERING COLLEGE**
 2. Whether Government/Aided/Unaided: **Unaided**
 3. Address: **Jyothi Nagar, Chemperi P.O., Kannur District 670632.**
 4. Brief Description of the College: **Vimal Jyothi Engineering College (VJEC) is a vibrant fast growing, NBA Accredited(CSE&EEE), ISO 9001:2008 certified, Private, Co-educational, Minority Institution, committed to provide value based quality education & training in Engineering & Technology. Established in the year 2002 in the serene and soothing backdrops of Western Ghats by Meshar Diocesan Educational Trust as a prestigious educational project of the Archdiocese of Thalassery.**
 5. Name of the Principal: **Dr. Benny Joseph**
 6. Name of the College Management *(in the case of aided and unaided)* **MESHAR Diocesan Educational Trust, Thalassery**
 7. Telephone Numbers: Office, Residence, Mobile: **0460 2212240, 2213399**
 8. FAX No, E-Mail: **0460 213513, vjecmail@gmail.com**
 9. Website Address: **www.vjec.ac.in**
 10. No. of Departments a) UG b) PG : **UG and PG**
11. Courses offered and sanctioned strength:
- B. Tech Applied Electronics & Instrumentation: 30**
 - B. Tech Civil Engineering: 120**
 - B. Tech Computer Science & Engineering: 60**
 - B. Tech Electronics & Communication Engineering: 90**
 - B. Tech Electrical & Electronics Engineering: 60**
 - B. Tech Mechanical Engineering: 120**
 - M.Tech Computer Science & Engineering : 24**
 - M.Tech Communication Engineering & Signal Processing : 24**
 - M.Tech Control and Instrumentation : 24**
 - M.Tech Power Electronics : 24**
 - M.Tech Structural Engineering & Construction Management : 24**
 - M.Tech Thermal Engineering : 24**

Staff Position:**A. Teaching Staff:**

Sl.No.	Designation	Total Number
1.	Professor	12
2.	Associate Professor	25
3.	Assistant Professor	114
4.	Guest Lectures	0
Total		151

Non Teaching Staff:

Sl.No.	Category	Permanent /Temporary	Total Number
1.	Administrative staff	25	25
2.	Library staff	05	05
3.	Laboratory staff	2	2
4.	Technical staff	36	36
5.	Others (specify) - Sweepers	30	30
	Security & Drivers	33	33
Total		131	131

Staff Development Programme:

a)	No. of teachers who are deputed for higher studies under FIP	1
b)	No. of teachers who are granted leave for higher studies other than FIP	5
c)	Details of teachers, who were /are deputed for invited lectures/ presentation in seminars/workshops/ conferences of National/International level (<i>Refresher/Orientation Course is not to be included</i>)	

- Study of work stress among IT professionals : A case study, ICETEM, Coimbatore (Accepted for conference) A comparative study of work stress across different professions in Kerala, NITIE,Mumbai.(Abstract accepted for conference)
- Mr.Subin Mohan AP ME, published papers on"Short Beam Shear Strength Measurements of Glass Fibre Reinforced Epoxy Nanocomposites Modified With Graphene Oxide Interfaces"at International conference on materials and characterization techniques (ICMCT) 2014 held between march 10-12 at Vellore institute of technology (VIT Vellore)
- Mr. Dhanoj M, Mr. Akhil V Jose and Mr. Dileep were attended FDP on Advanced Control Theory and Application at NIT Calicut.
- Ms Jerrin Yomas presented a paper in an international conference conducted at Karunya Institute of Technology.
- Mr. Dhanoj M attended FDP on 'Signal processing and control systems' at Mar Baselios college of Engg and Technology.
- Mr. Shinu M M and Mr. Dileep K have conducted a FDP on 'Industrial automation' at Adi Shankara Institute of Eng and Technology,Kala
- Mr. Akhil Jose, Mr. Dhanoj Mohan, Mr. Vimal Kumar has attended one day FDP on Teaching Methodology.
- Mr. Dhanoj Mohan has attended one day National workshop on Scope of field instruments at Karpagam College, Coimbatore.
- Ms. Reema Mathew has presented a paper in an International conference conducted at Nehru College of engineering.
- Mrs. Ancy K Sunny attended a 3 day workshop on "Automation with the help of Macros" at GEC, Idukki.
- Ms. Divya B & Mrs. Neena V V attended a one week Foundation Program at Infosys Mysore Campus.
- Ms.Divya B, Mrs. Neena V V, Mrs. Vidhya S S, Mr. Midhun T P & Mr. Sunder V attended a two day workshop on NS-2 at IITMK organized by ACM Chapter,TVM. The session was handled by Mr. Mohith Tahiliani, AP, NIT-Suratkal.
- Mr. Jagannath MP ,HOD ASH Department attended a three day national level workshop on Random Processes at Amal Jyothi Eng. College Kanjirappally.
- Sr. Lillykutty has participated in the National Conference on "Ecocriticism" held at BITS, Pilani and Presented a paper on "Mavillan Tribe and Environmental Ethics".
- Mr. Prasanthkumar PV & Mr. James Mathew attended a 5 day Campus Connect Foundation Program at Infosys SEZ Campus, Mangalore.
- Robotic club conducted one day Ardino workshop and pick and place robotic competition workshop for students on 31- august 2014
- 5 days STTP on Industrial Automation &Virtual Instrumentation at Don Bosco EnggCollege, Goa was attended by Mr. Dhanoj M& Akhil Jose.
- Dr. G Gnan Devadhas attended aworkshop on Collaborative ResearchIdeation at APJ Abdul Kalam University, Trivandrum on 08/09/2016
- Organizing one day workshop on "TRANSITION FROM ISO 9001:2008 TO ISO 9001:2015"- By Cdr.Raju KK & Appu Kurian
- Paper accepted and got published in ICEFTET GOA conference proceedings by Mr. Sunder V and Mrs. Vidhya S S.
- Mr. Manoj V Thomas, CS&E ,attended a conference on "Higher Education" at Coimbatore from 2nd and 3rd Dec 2016.
- Dr.Justin Sunil Dhas , Professor EEE Department Participated in the workshop on "Quality Initiatives in Technical and Higher Educational Institutions" held at "Engineering Staff College of India, Hyderabad",

- Mr. Thomas John participated in NSS Program Officers meet in Muthoot Institute of Technology
- Published Paper titled "LCS for MRI Scanning" in IJCA(Vol:154) by Roshini T V
- Six faculty members for the CS&E department attended 10 days training on "Apple iOS app development" from 29th Dec to 7th Jan 2017

d) Details of various distinctions achieved by the teacher during the years.

Sl.No.	Name of Teacher	Name of the programme

e)Representation of faculty members in academic bodies

Sl.No.	Name of faculty	Details
	Dr. Benny Joseph, Principal	1. Member, Board of studies in Engineering (UG) Kannur University 2. Technical Expert, Student Entrepreneurship Scheme, Kannur University

14. Research Programmes:

- a) Whether the college has been recognized as a research centre? N.A
b) If so, subjects of research in the centre: N.A

15. Details of research supervisors, if any

Sl. No.	Name of the Supervisor	Address	Broad Area
	N.A	N.A	

16. Details of Ph.D. results:

Sl. No.	Details	Name of the Supervisor	Subject
1.	No. of Ph.D. Degree awarded	N.A	
2.	No. of Ph.D. thesis submitted	N.A	

17. Details of published works

Sl. No.	Title	Details
	<ul style="list-style-type: none"> • Ms Jerrin Yomas published papers on A review on feature extraction and denoising of ECG signal using wavelet transform,IEEE, A Survey of Single Image and Multi Image Super Resolution Techniques.,IJSR • Mr Arun Raj A.C AP ME, published papers on Integration of Knowledge based system in benchmarking for healthcare system : A DEA based approach , ICMF 2013,Thrissur • Mr. Sujith.K A.P ME, published papers on Design of active solar water heating system using F-chart method. IJERT 2013 Multi objective optimization of fuel cell intergraded hybrid energy systems, IEEE (accepted for publication)2014 • Ms. Liliya T Jose published a paper titled "A New Approach to Compute Structural Statistics using Keywords" in IJAIR journal Aug 2103. • Sr. Lillykutty has participated in the National Conference on "Ecocriticism" held at BITS. Pilani and Presented a paper on "Mavillan Tribe and Environmental Ethics". • Mr. Thomas John participated in NSS Program Officers meet in Muthoot Institute of Technology • Dr.Justin Sunil Dhas , Professor EEE Department Participated in the workshop on "Quality Initiatives in Technical and Higher Educational Institutions" held at "Engineering 	

	<p>Staff College of India, Hyderabad",</p> <ul style="list-style-type: none"> Mr. Manoj V Thomas, CS&E ,attended a conference on "Higher Education" at Coimbatore 	
	<p>Patents</p> <ol style="list-style-type: none"> 1. DIFFUSER INTEGRATED LIGHT WIND TURBINE MODEL- 2. TRANSMISSION LINE ROBOT 3. LIFI TRANSMISSION OF BIO SIGNALS FOR BIO-INSPECTION SYSTEMS. 4. LIFI TRANSMISSION OF BIO SIGNALS FOR BIO-INSPECTION SYSTEMS. 5. LIFI TRANSMISSION OF BIO SIGNALS FOR BIO-INSPECTION SYSTEMS. 6. HAND GESTURE CONTROLLED TELEPHONIC SYSTEM. 7. WEB CONTROLLED HOME AUTOMATION SYSTEM. 8. WEB CONTROLLED HOME AUTOMATION SYSTEM- 9. A SIX CHAMBER BASED SYSTEM FOR DIRECTION CONTROL OF ROCKETS AND MISSILES USING CHANGE IN COG 10. IMPELLER THRUST STABILIZER WITH GYRO SENSORS AND EMBEDDED FOR WATERBORNE CRAFT- 11. OPTICAL HEAD MOUNTED COMPUTER ECE 12. INTERNET OF THINGS BASED SMART HOME AUTOMATION SYSTEM 13. VIRTUAL IKEY BOARD- 14. VIRTUAL CHASSIS BASED ROTATION ENABLED MULTI JOINT SNAKE DRONE 15. AN AUTOMATED UNATTENDED SURVEILLIANCE SYSTEM USING QUAD COPTERS 16. ADVANCED AUTOMOBILE SECURITY SYSTEM USING REAL TIME COMPUTER VISION TECHNIQUE 17. AN AUTOMATED UNATTENDED SURVEILLIANCE SYSTEM USING QUAD COPTERS 18. ADVANCED AUTOMOBILE SECURITY SYSTEM USING REAL TIME COMPUTER VISION TECHNIQUE 19. AUTOMATED DOOR LOCK SYSTEM WITHUSER MODE DETECTION 20. ADVANCED BOAT SECURITY SYSTEM 21. BOREWELL RESCUE AND INSPECTION ROBOT 22. AUTOMATIC RETRACTING SMART ROOF SYSTEM 23. ACCIDENT ALERT AND RESCUE SYSTEM 24. HHO COOKING SYSTEM- 	<p>Electrical & Electronics Engineering Department</p> <p>Mechanical Engineering Department</p> <p>Electronics & Communication Engineering Department</p> <p>Computer Science & Engineering</p> <p>Applied Electronics & Instrumentation</p>
2.	Research papers	
3.	Books	<ol style="list-style-type: none"> 1. A Comparative study on NeuralNetwork, Fuzzy logic and Neuro-fuzzy

		<p>Technique for the Human Locomotion Angle Prediction (Ms. Tinu George, A.P. EEE)</p> <p>2. Interleaved Luo Converter for the Residential PV Grid Connected Systems (Ms. MARY HELNA MUTTATH, A.P, EEE)</p> <p>3. Grid Interconnection of PMSG Based Wind Energy System with Power Quality Improvement (Ms. INDULEKHA K M, A.P, EEE)</p> <p>4. Control of Longitudinal Motion of UAV by Sliding Mode (Ms. Meera.P.Nair, A.P, EEE)</p>
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18. Details of research scholars

Sl. No.	Name of the Supervisor	No. of Res. Scholars	Full-time/Part-time
	N.A		

19) Details of teachers who have obtained higher degree last year:

20) Details of completed/ongoing Major/Minor research programmes

Sl.No.	Name of the teacher	Title
1.	Mr. Jubin Sebastian E, Asst Prof., ECE	Ph.D
2.	Ms. Ancy Rani Devasia, Asst Prof., ASH	Ph.D
3.	Mr. Jithin K Jose, Asst Prof., EEE	Ph.D

Sl. No.	Title	Funding Agency	Status
	N.A	N.A	
Sl. No.	Title	Area	Status
	N.A	N.A	

21. Details of Consultation programmes

Sl. No.	Title	External Agency	Status
	N.A	N.A	

22. Details of Out-reach programmes

Sl. No.	Title	Area	Status
	N.A	N.A	

23. Library Facilities:

- No. of books in the Library: **28750**
- No. of new books added to the Library during 2016: **4214**
- No. of journals subscribed by the Library: **795**
- No. of new journals subscribed during the year 2016: **2**
- Whether e-journal facility is provided in the library? **YES**
- Whether separate provision has been given for research students in the library : **N.A**
- Archives: **N.A**
- Art Gallery: **N.A**

24. Laboratory facilities:

- No. of laboratories for PG courses : **31**
- No. of laboratories for UG courses : **18**
- No. of research laboratories : **N.A**
- Details of major equipments for research : **N.A**
- Details, if any, of new laboratory facilities provided by the college during the year:
 - Language Lab**
 - Research Lab**
 - CAD Lab**
 - Project Lab& Intel Intelligent Lab**

25. Computer/ Internet facilities

- Common computer/internet facility : **660 computers with internet facilities**
- Whether computers/internet facility is provided for teachers: **Yes**
- No. of computers/internet facility provided for research scholars: **42**
- No. of computers/internet facility provided for students : **425 Laptop computer with internet facility. Apart from this students are free to use individual Laptop availing internet connection from the College.**

26. Extra Curricular Activities:

- Sports & Games
 - Membership of students in the University/State/Indian teams: **2**
 - Prizes won by the college teams/individual/participants in University/Inter University/State/National events: **2**
 - Records, if any, broken by the individual players: **NIL**
 - New sports facilities, if any, provided during 2017: **NIL**
- Arts Festival**
 - No. of students who participated in the University arts festival: **28**
 - Details and No. of students, who won the prizes: **4**
 - Details of individual championship:

27. Student strength:

- Total No. of students including research scholars: **1770**
- Details of students

Year	No. of students studying in the Department							Total
	Male	Female	SC/ST	OBC/OEC	Diff. abled	BPL	Gen	
UG I Yr.	254	162	5	56	-	07	355	416
UG II Yr.	285	143	6	55	-	08	367	428
UG III Yr.	276	148	8	56	-	14	360	424
UG IV Yr.	270	148	8	25	-	11	385	418
PG I Yr.	03	38	0	05	-	01	33	41

PG II Yr.	07	36	-	03	-	2	40	43
M.Phil.	-	-	-	-	-	-	-	-
Ph.D.	-	-	-	-	-	-	-	-

- c) Percentage of pass during the year for each course of study: 54%
28. Co-Curricular Activities
- No. of students enrolled in NSS : **106**
 - No. of Students enrolled in NCC : **NIL**
 - Details and No. of NSS units : **1Unit, 50**
 - Details and No. of NCC units : **NIL**
 - Any other co-curricular activities/achievements made by the students:
29. Progress of the following Student welfare activities
- Anti ragging and anti-Harassment Cell : **Campaign Conducted**
 - Grievances redressal Committee : **Yes**
 - Women's development : **Yes**
 - Hostel facility for Men and Women : **Available**
 - Counseling : **Available**
 - Recreation : **Available**
 - Health centre : **Available**
 - Endowments and scholarships : **Available**
 - Any other student programmes : **NIL**
30. Any other relevant information: **NIL**

Place: Chemperi

Date: 24.02.2018



[Handwritten Signature]

Signature of the Principal

VIMAL JYOTHI ENGINEERING COLLEGE
CHEMPERI - 670 632