



ephemeris

YEARLY NEWS LETTER

ISSUE 1

MARCH
2016

DEPARTMENT OF ELECTRONICS | MES COLLEGE MARAMPALLY, ALUVA -7

Principal's pen

Let me first of all, on behalf of MES College, Marampally, extend a warm congrats to the Department of Electronics for this endeavour. In the face of continually emerging challenges such as globalization, regional integration, demographic shifts, technological advancements, environmental concerns, persistent inequalities and youth employment, all these elements which are intangibly related to education, it is an imperative of Department of Electronics in releasing a newsletter for highlights.

By harnessing all capabilities, the outcome should aspire us, all towards our journey into the future. This newsletter should reflect our commitment in the sharing of knowledge, skills and resources. It should bring forth the need for forging ahead together through active cooperation, collaboration and coordination.

On that note, may I wish you all a very successful journey for the newsletter.



Dr. A. BIJU
Principal

With best
Compliments...

MES College Marampally
Managing Committee



Mr. K.M. Shamsuddin
Chairman



Dr. K.A. Zakkariya
Secretary & Correspondent



Mr. T.M. Zakkir Hussain
Treasurer

I. CO-CURRICULAR PROGRAMMES

UGC SPONSORED NATIONAL CONFERENCE ON RECENT ADVANCES IN MICROWAVE COMMUNICATION

A two day UGC Sponsored National Conference on Recent Advances in Microwave Communication NCMWC 2015 was organized by the Department of Electronics on 11 and 12 August 2015. This is the fourth National Conference organized by the department since 2012. The conference was attended by faculty members, students and research scholars from various educational institutions. NCMWC 2015 aims to bring together academicians, industrialists, researchers and scholars to exchange and share their experiences about all aspects of microwave communication, electromagnetic interferences, electromagnetic compatibility, microwave filter and RFID.

From the Desk . . .

At the outset, I wish to express my innate happiness in the occasion of releasing of the newsletter 'ephemeris'. In the light of emerging uncertainties occurring on the global front, this newsletter has garnered, efforts to produce a talented young generation. The journal promise to be interesting and exciting topics to stimulate your thoughts and ideas. It should identify key priorities, the framework and mechanism crucial for the development of our pool of talents for the future. Through these efforts, I believe electronics department sufficiently nurturing and instilling the spirit of knowledge in children. May you have a fruitful and fulfilling voyage

SAM KOLLANORE U.
Head, Dept. of Electronics

In this Issue . . .

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11. Our department

The conference was inaugurated by Dr. K. Suresh Nair, CTO, Sun Fiber Optics Ltd, Nest Group of Companies on 11 August at 10 AM in the College Auditorium. Mr. Sam Kollanore U., HOD, Dept. of Electronics delivered welcome speech. Dr. A. Biju, Principal, MES College Marampally presided over the function. We were greatly encouraged by the gracious presence of our Chief Guest Dr. Suresh Nair and immensely benefited by his inspiring address.



Mr. T. M. Zakeer Hussain, Treasurer, College managing committee and Jb. K. M. Shamsuddin, Chairman of the College addressed the occasion. Mr. Joseph Deril, IQAC Coordinator and Dr. Umesh B.T., Staff Secretary of MES College Marampally gave

felicitations. Mrs. Rejeena K. A., Coordinator of NCMWC 2015 proposed the vote of thanks.

Immediately after the inauguration, first technical session was started. During this session, Dr. Thomaskutty Mathew, Reader, STAS-Edappally gave a talk on 'Trends and Perspective in Communication Technology - RF to Terra Hertz'.

In the afternoon session Dr. Nisha Mol M. S., HOD, Department of Electronics, Govt. College, Chittur, Palakkad focused on the topic 'Recent Developments in Antenna Research'. Three technical sessions were held on the second day of the conference. Dr. Lethakumari B. HOD, Department of Electronics & Communication Engineering, Mahatma Gandhi University College of Engineering, Muttom, Thodupuzha gave a talk on 'Introduction to Microwave Antennas'. The second

session was on 'Electromagnetic Interferences & Electromagnetic Compatibility' and it has been delivered by Dr. Abdulla P., Associate Professor, Division of Electronics, School of Engineering, CUSAT, Kochi.

Paper presentations which have been held in the afternoon session was chaired by Dr. Abdulla P. We received 14 papers and selected 7 papers for presentation after review. All the 7 papers were presented during the conference. Mr. Jacob Abraham (Associate Professor, BPC College, Piravom), Ms. Divya Mohan and Ms. Arya P. S. (Students from SCMS School of Engineering and Technology, Cochin, Kerala) Mr. Premal P. D. (Associate Professor, NSS College, Rajakumari) Ms. Mythri N. Bhattathiri and Mr. Shaji V. (Research Scholars, Department of Physics, Sree Sankara College, Kalady) and Mr. Deepu Thomas (Research Scholar, St. Thomas College, Pala.) presented their papers.

KSCSTE SPONSORED TWO DAY HANDS-ON TRAINING ON VHDL/ VERILOG CODING

KSCSTE sponsored Two Day Hands on Training on VHDL/ Verilog Coding began on 18th January 2016 at 10 am by invoking The Almighty. The inaugural ceremony was presided over by Dr. A. Biju, Principal, MES College, Marampally. Mr. Sam Kollannore U., Head of the Dept. welcomed the gathering. The workshop was inaugurated by Dr. M. V. Rajesh Maliyeckal, Principal, Ilahia School of Science And Technology (ISSAT) and Hon. Secretary, IETE Kochi Centre. Dr. Zakkariya K. A, Secretary & Correspondent, College Managing Committee, Dr. Umesh B. T., Staff Association Secretary and Sri. Joseph Deril, IQAC Coordinator felicitated the function. Smt. Shernas Mol A. A., Coordinator of the workshop delivered the vote of thanks.

The two day Hands on Training programme was handled by Mr. Rohit Balakrishnan, VHDL Design Engineer, Silica Tech, Ernakulam. He gave an introduction to VLSI, VHDL and Verilog, their instruction formats and hardware simulation tools in the first day. The second session was Hands on training on the hardware simulation tools – Xilinx and Modelsim.

The two day workshop came to a successful conclusion with the valedictory function on 19 January 2016 at 3.00 pm. Sri. Ajimsha Maideen, MSc. Coordinator, Department of Electronics delivered the welcome address. Mr. Sam Kollannore U, Head, Department of Electronics delivered the valedictory address. In the feedback session, participants inferred the two day workshop a fruitful one. The resource person Mr. Rohit Balakrishnan, VHDL Design Engineer, Silica Tech, Ernakulam distributed the certificates to the participants. Smt. Geethu N D, Student Coordinator proposed the vote of thanks.



INDUSTRY- INSTITUTE INTERACTION PROGRAMME

An Industry-Institute Interaction Programme has been held in association with Walrus Marine and Engineering Co. Pvt. Ltd. on 16 September 2015. Sri. Sam Kollannore U. welcomed the gathering. The programme has been presided over by Dr. A. Biju, Principal, MES College, Marampally. Mr. Francis Xavier (Managing Director, Walco Solution- R&D Division of Walrus Marine & Engineering Co. Pvt. Ltd.) delivered the keynote address. Smt Shemi P. M., Tutor of first year BSc Electronics class addressed the gathering. Sri Joseph Deril (Coordinator, IQAC) gave felicitation. Mr. A. J. Sam, Technical Director interacted with first year students (2015 Admn.) MES College Marampally.



ONE DAY WORKSHOP ON RASPBERRY PI

The one day workshop on Raspberry Pi was conducted on 30th September 2015. Mr. Fayiz Abdul Salam, Technical Director, Sibyl sys and Mr. Vineeth, Technical Officer, Sibyl Sys, Ernakulam led the workshop. Embedded Systems, its applications, Python programming language and Raspberry Pi Systems were the topics on discussion in the forenoon session. Demonstration on different peripheral interfacing with Raspberry Pi and Python software were held in the afternoon session.

Thirty-six PG students from various departments (MSc Electronics, M.Sc. Computer Science and M.Sc. Physics) of our college participated in the workshop along with the four final year B.Sc. Electronics students.

SHORT TERM COURSE ON MAT LAB

As a part of the Interdepartmental activities, Electronics Department offers Short Term Course in MATLAB to the students of B.Sc. Mathematics every year. This course is offered for 25 hours through 3 semesters. The objective of the course is how to use MATLAB as hands on Mathematics to engage students and facilitate critical thinking while implementing the common core standards of mathematical practice. The course mainly focuses on Symbolic Math tool box. Symbolic math tool box provides functions for solving and manipulating symbolic math expressions and performing variable-precision arithmetic. Using this tool box, the students can analytically perform differentiation, integration, simplification, transforms and equation solving. The workshop is given to the second year batch of B.Sc. Mathematics. The course curriculum is designed and the sessions are handled by the faculty members Smt. Shemi P M and Smt. Shareena E M. First and the second session of the short term course has been held on 30 Dec 2015 and 11 Jan 2016. The remaining sessions will be conducted during their fifth semester period, from June – September 2016.



Other Technical Sessions at a glance . . .

- Orientation Programme for First year UG and PG students
- Talk on Advanced Embedded Systems by Sri. Siyad K. K. (Alumni, Dept. of Electronics) on 28 July 2015.
- Electronic Circuit Assembling Workshop for UG and PG students on 22 July 2015
- Talk on Digital Image Processing in RADAR systems by Mr. Sibil Kumar, Scientist, DRDO, Bangalore on 4 September 2016.
- Workshop on Proteus by Ms. Lakshmi M. S., Embedded Systems Engineer, Aaptra Solutions.
- NET coaching for our PG students by the teachers of our department.
- Talk on OOPS by Dr. Sabu M. K, Head, Dept. of Computer Applications on 18 Nov 2015.
- Law Awareness class by Mr. Mohan Raj T. P., Assistant Professor in Law on 25 February 2016.
- Talk on Applications in Biotechnology by Dr. Umesh B. T., Assistant Professor in Biotechnology on 24 February 2016
- Literature Survey Presentation by II MSc Electronics students.
- Teaching practice for MSc Electronics students in MSc Physics class.
- Thirty III BSc Electronics students participated in the Soft-skill Training programme conducted by AIMAT on 13 October 2015.

2. ACADEMIC ACHIEVEMENTS OF STUDENTS

EXAMINATION RESULTS - 2015



Swathi Babu K. of M.Sc. Electronics secured III Position in MG University M.Sc. Electronics Examination 2015. Out of the 34 students appeared for the 2015 exam, 14 students passed with a pass percentage of 41. The B.Sc. Electronics 2015 examination results shows a pass percentage of 60. Out of the 50 students appeared, 30 students passed.

- Thasni Salim of III UG and Veena Mooss of II PG have been awarded with 'Best Outgoing Student-16' of UG & PG respectively from the Dept. of Electronics.

STUDENTS SELECTED FOR WALK WITH SCHOLAR PROGRAMME



Fathima Ahammad
I UG 2015 Admn.



Jeslin Kunjachan
I UG 2015 Admn.



Sumayya K. S.
II UG 2014 Admn.



Adithian P.
II UG 2014 Admn



Nadir Banna T. J.
II UG 2014 Admn.



Yadukrishnan S.
II UG 2014 Admn.

3. EXTRA-CURRICULAR ACTIVITIES

INTER COLLEGIATE QUIZ CONTEST - FREEDOM QUEST '15

Department of Electronics has been conducting



intra collegiate quiz contest named Freedom Quest for the last 10 years. This year an intercollegiate quiz contest "FREEDOM QUEST 2015" was organized at the MES - AIMAT Seminar hall on 17th August 2015 in association with the Quiz club of MES College, Marampally. Mr. Ajimsha Maideen, Mrs. Shernasmol A. A. and Ms. Chika K. Gangadharan were the coordinators and Mr. Sam Kollannore, Head, Dept. of Electronics was the General Convener of this programme.

Proper advertisement for this event was given through newspapers, websites and personal contacts. More than 50 institutions including Arts and Science, Polytechnics and Engineering colleges were invited to this programme. A permanent logo of freedom quiz was designed by Mr. Vivas Salim, Asst. Professor, Department of Bioscience.

Miss. Radhika R. and Miss. Meril Mathew - M A College, Ramapuram won the first prize. Mr. Peter Paul and Mr. Sreejith Sukumar - Model Engineering College, Thrikkakara were the runners up. Mr. T. M. Zakeer Hussain, Treasurer, College Managing Committee and College Principal Dr. A. Biju awarded cash prize of Rs. 3000/- along with memento to the first prize winners and cash prize of Rs. 2000/- to the runners up respectively.

ELECTRONICS ASSOCIATION INAUGURATION, ESPECTRA'15

Electronics Association Inauguration Espectra'15 has been held on 4th September 2015 at 10.30 am. Mr. Sibil Kumar - Scientist, DRDO, Bangalore inaugurated the association in the function presided over by Sri. Sam Kollannore U. - HOD, Dept. of Electronics. Sri. Franciz Xavier - Director, Walco solutions, Sri. Joseph Deril - IQAC Coordinator, Sri Ajimsha Maideen - MSc Coordinator and Dr. Umesh B. T., Staff Association Secretary gave felicitation. After the inauguration, Sri. Sibil Kumar gave talk on Digital Image Processing in RADARs. Association students conducted interdepartmental competitions on Story boarding, Spot dance and



SESSION ON CREATIVITY

An half-day session on 'Creativity' has been taken by Mr. Praful Jose, Assistant Professor, Department of Vocational Studies for the II BSc Electronics students on 24 February 2016.

TEACHERS' DAY CELEBRATIONS

Teachers' day celebrations has been coordinated by our students on 4th September 2015 at 2:00 pm. All the teachers in the department wholeheartedly cooperated in the events and competitions chalked out for their teachers. Mr. Rajsha M. M. have been selected as the winner of the Teachers' day 2015.



PREMARITAL COUNSELLING

Under the auspice of The Department of Electronics, a Premarital Counselling was arranged for the final year PG girl students on 29th February 2016 at the Conference Hall. Dr. K. E. Leelamma, Rtd. Head, Department of Psychology, UC College, Aluva and a Consultant Psychologist of our college handled the session. PG students from all the PG departments (MSc Electronics, MSc. Computer Science, MSc. Biotechnology, MCom. and MHRM) of our college participated in the programme. The workshop came to a successful conclusion with the interactive session which the participants inferred a fruitful one at the end.



STUDENTS' TOUR

Final Year BSc Electronics students of our department went for a three day tour to Mysore and Kodagu during 23 to 25 Jan 2016. Mr. Sam Kollannore and Ms. Rejeena K. A. accompanied them.

Final year MSc Electronics students went for a study tour to Munnar on 15 Feb 2016. Mr. Ajimsha Maideen, Ms. Roshni Alex, Ms. Shernas Mol A. A. and Ms. Shareena E. M. accompanied them.



STAFF TOUR AND FAREWELL TO Mr. RAJSHA M. M.

A staff tour has been organized by the department to Boothathankettu. Mr. Rajsha M. M. who has been a part of the department since December 2013 has been given a warm farewell during this occasion. Mr. Rajsha has contributed his resources to the development of the department and creation of cordial atmosphere in the department as well as among the students. The department wishes a successful career to Mr. Rajsha.



4. STUDENTS ACHIEVEMENTS IN EXTRA - CURRICULAR ACTIVITIES

- **Arun Sajan (II BSc), Riyasudheen Malik (II BSc) and Mohammed Yasir (I BSc)** represented MES College Kolkali Team and won First Prize in the MG University Youth Festival, 2016 held at Al Azhar Collge, Thodupuzha.



Arun Sajan



Riyasudheen Malik



Mohammed Yasir

- **Manasa Mohan and Farsana P. S. (III BSc)** represented MES College Oppana Team and won First Prize in the MG University Youth Festival, 2016 held at Al Azhar College Thodupuzha during 11-15 March 2016
- **Jithu Sukumaran and Vishnu Sasi** of III BSc Electronics represented MES College in the Intercollegiate Softball Competition held at Kottayam on 3 March 2016.
- **Thasni Salim** of III B.Sc. and **Adithyan P. and Simmy Xavier** of II B.Sc. had secured second position in inter departmental Product Launch Competition conducted by Business Administration Association, MES College Marampally
- **Grigo Mathew Varghese** of I B.Sc. Electronics has been selected as Team member of Kerala State Basket Ball Team – Under 19.
- **Vipin Vijayan** of II M.Sc. Electronics has been selected as Team member of Kerala State Base Ball and participated in the Senior National Baseball Championship held at Belgavu, Karnataka.
- **Vipin Vijayan** represented M.G. University Baseball Team in the Inter University Baseball championship held at Chandigarh.
- **Vipin Vijayan** reprinted Thrissur District Team in the State Senior Baseball Championship held at Ernakulam and

STUDENTS INVOLVEMENT IN VARIOUS CLUBS & ASSOCIATIONS

Students of the Electronics Department have their involvement and contribution in various clubs within our college campus. Nadir Banna of II UG & Anoop M.M. of II PG are acting as the Secretaries of Electronics Association. Eight students represents Women Cell activities with Thasni Salim of III UG acting as Secretary and Veena Mooss of II PG acting as the Treasurer of the College Women Cell. Two students each represents Entrepreneurship Development Club & Mathematics Club. 27 students involve in Nature Club activities.

OUR NCC REPRESENTATIONS



Abdul Nafih



Ajmal A. I.



Ajmal P. A.



Vishnu P. S.



Gopinath K. Sunil



Muhammed Afsal

OUR NSS REPRESENTATIONS

Our students in NSS are actively involved in various activities of NSS viz, orientation programmes, blood donation campaigns, Independence Day celebrations, Campus cleaning programmes, as volunteers for 26th Junior National Throwball Championship held at MES College, Marampally etc.

Vishnu Sasi and Farsana P. S. of II BSc Electronics participated in the Intercollegiate Workshop for NSS Volunteers on Ecofriendly Bag making held at St. Therasas College, Ernakulam

5. CAREER GUIDANCE AND PLACEMENT CAMPUS RECRUITMENT DRIVE



The Department of Electronics in association with the placement cell of MES College Marampally, conducted a placement drive for 2015 pass out BSc Electronics boy students. The recruitment was conducted by CONSYST TECHNOLOGIES (India) Pvt.Ltd. on 16th June 2015 for the job title; Automation Sales Engineer. 64 students from various colleges participated in the recruitment process. After the screening test 30 students were short listed for the interview. And in the final interview 6 students were placed out of which Mr. Ashik and Mr. Nandagopan were from Department of Electronics, MES college, Marampally.



Another campus placement had been held on 20 August 2015 by Secure Domain, Abu Dhabi in search for the post of Network Administrators. Apart from these placement drives, students of our department attended Campus Recruitment drives conducted at other locations.



Thasni Salim

PLACEMENT

Thasni Salim and Rakesh P. R. of III BSc Electronics have been placed in Accenture during the placement drive held at Edappally.



Rakesh P. R.

6. ENERGY CONSERVATION AND ECO-FRIENDLY MEASURES

ENERGY AND ENVIRONMENTAL CONSERVATION CLUB (EECC)

The inauguration of Energy and Environmental conservation Club (EECC) was held on 17th September 2015 at Seminar hall, MES College, Marampally. Fr. Dr. George Peter Pittappillil, Director, Renewable Energy Centre, Mithradham inaugurated the club in the function presided over by Smt. Subaida K. M. Principal in Charge. Smt. Shemi P. M., Programme Officer-EECC welcomed the gathering and Dr. Nizam Rahman, Chairman, Energy Conservation Society delivered the keynote address. Sri Sam Kollannore U. HOD, Electronics, Smt. Anju Sara Varghese, HOD, Physics and Asst. Programme Officer-EECC, Sri Joseph Deril, IQAC Coordinator and Dr. Umesh B.T., Staff Association Secretary gave felicitation. Ms. Athicka Thasni, Vice President-EECC proposed vote of thanks.



ORIENTATION PROGRAMME

An Orientation Programme by Dr. Nizam Rahman, Chairman, Energy Conservation Society was conducted for the Energy and Conservation Club members on 17th September 2015. Eighty EECC members participated in the programme.

CYCLE RALLY

EECC organized a cycle rally with the theme 'Use cycle for better health' as part of the National Cycle Day celebrations in Marampally on 22 Sept 2015. The rally was inaugurated by Sri. T. M. Zakeer Hussain, Treasurer, College Managing committee. Dr. A. Biju, Principal of our college, Sri. Sam Kollannore U. HOD, Smt. Shemi P. M., Programme Officer-EECC, Smt. Anju Sara Varghese, Head, Dept. Physics, Ms. Bhavya Kamal, Faculty Advisor, Sri Joseph Deril, IQAC Coordinator and other faculty members of Dept. of Electronics and Dept. of Physics were present on the occasion. Thirty club members participated in the rally.



'DYUTHI 2016'

An extension programme was organized by EECC in association with ECS, Kerala for the housewives of Vazhakulam Grama Panchayat. As part of this programme an awareness session on energy conservation and demonstration of energy efficient equipments were organized. The programme was inaugurated by Smt. Vigi Sunny, President, Vazhakulam Grama Panchayat at 1.30 pm at Moulana Abdul Kalam Azad Memorial Hall, Vazhakulam. About 100 Kudumbasree women participated in the programme.



7. EXTENSION & OUTREACH PROGRAMMES

FIVE - DAY ELECTRONICS TRAINING PROGRAMME

As part of extension activity, department conducted Electronics Training Programme for deserving school students as in the previous year. The beneficiaries of this programme were 37 students of Hidayathul Islamic High School, Kandanthara. Formal inauguration of the training programme was held on



7th October 2015 at the school by Sri. Shukkor, Panchayat Member. Sri Sam Kollannore U., HOD delivered the keynote address. During his address he mentioned the importance of attaining skill in electronics industry. Smt. Shareena E. M., Asst. Professor & Coordinator of the programme explained the schedule of the proposed five day training programme. Sri. Rajsha M. M. and Ms. Roshni Alex handled the practical sessions on that day. Other sessions of the Electronics Training Programme has been held on 4 Nov, 21 Nov, 5 Dec 2015 and 16



Jan 2016. All the sessions have been engaged by the faculty members of Electronics Department. A formal valedictory session has been held on 16 Jan 2016 and Dr. A. Biju, Principal, MES College Marampally distributed the certificate of participation for the students.

VISIT TO ORPHANAGE

Students of the Department of Electronics along with the students of the Department of Mathematics visited Welcare Orphanage, Old age Home cum Special School, West Veliyathunadu on 25 February 2016 and donated Rs 12500/-.

Other activities at a glance...

- The Department donated note books worth Rs. 6000/- for the students of Govt. UP School, Marampally.
- A financial support of 9250/- had been given for the treatment of Ashik K. P. (BCom 2014 Admn)
- Financial support of Rs 4125/- given to Mr. Bava- College Bus Driver for his hospital expenses.

8. ALUMNI INVOLVEMENTS

The alumni of the Electronics department has got a constant touch with the department. The department and the college always remember their invaluable contribution in future.

- An Alumni Meet has been held at Dubai on 8 May 2015. Thirty Five Alumni members from Sharjah, Dubai and Abu Dhabi attended the programme. Mr. Sam Kollannore was the chief guest of that occasion.
- Many of the old students attended the Annual Alumni Meet, Orma 2016 which has been held on 26 Jan 2016 at MES College Marampally.
- Books worth Rs. 5000/- have been contributed to the Department Library in the last year.
- A talk on Advanced Embedded Systems had been held on 28th July 2015. This session has been handled by Mr. Siyad K. K., our B.Sc. Electronics Alumni. The classes have been arranged for final year B.Sc. students
- Dr. Nisha Mol M. S. (1996-1999 batch) contributed 1000/- rupees towards purchasing books for dept. book bank.
- An interaction programme has been conducted for the final year MSc students by our PG Alumni 2012-2014 Batch which has been highly beneficial for our students.
- Mr. Naufal P. A. CEO, Secure Domain – Abu Dhabi, UAE (UG Alumni) conducted a placement drive for the post of Network Administrator.
- 1999-2002 B.Sc. Electronics batch contributed Rs. 37,607 for the treatment of Ashik K. P. (BCom 2014 Admn)
- Planning to conduct social extension activities with the support of 2003-06 batch BSc Electronics Alumni.



9. FACULTY DEVELOPMENTS & ACHIEVEMENTS

PAPER PRESENTATIONS AND PUBLICATIONS

Teacher	International Journal	International Conference	National Conference
Raphika P. M	4	9	4
Jasmine P. M	4	9	4
Shemi P. M.	1	2	
Sam Kollannore U.			1
Sheeba Varghese			1
Bhavya Kamal K. Menon			1
Chika K.			1
Shareena E. M.		1	

- Smt. Raphika P. M., Associate Professor, Dept. of Electronics has been awarded with Third prize for the Best Student Paper in the IEEE Radio & Antenna Days of the Indian Ocean held at Mauritius on 21-24 September 2015.

UGC FUNDED RESEARCH PROJECTS

Investigator	Title	Amount Sanctioned & Status
Bhavya Kamal	Embedded based Wireless Medical diagnostics Systems	Rs. 3,20,000 (ongoing)
Shemi P. M.	A comparative study of different Denoising techniques applied to Medical signals	Rs. 1,35,000 (completed)

WORKSHOPS/ SEMINARS ATTENDED BY TEACHERS

Sam Kollannore U., Rejeena K. A. and Sheeba Varghese attended Three day IEEE APS workshop on Computational Electromagnetics conducted by IEEE APS Kerala Chapter and DoE CUSAT : 7-9 Dec 2015

Sam Kollannore U. attended National Workshop on implementation of B.Voc. Degree programmes and Community colleges at St. Mary's College, Thrissur on 15 September 2015

Ajimsha Maideen attended the Short Term Training Programme on Computational Electromagnetic using HFSS organised by Division of Electronics, CUSAT from 15 to 19 June 2015.

Roshni Alex, Shernas Mol A. A. and Chika K. attended Digital India Program at MES College Marampally

Bhavya Kamal K Menon participated in the Two day National conference conducted by St. Thomas College, Thrissur on the topic Digital Signal Processing and Autonomous Robotics on 3 December 2015.

Bhavya Kamal K Menon participated in the Two day program on Pedagogical approaches and Digital technology for effective teaching and learning held on 20 & 21 October 2015 at MES Keveeyam College, Valanchery.

Sam Kollannore U., Shemi P. M., Rejeena K. A. and Sheeba Varghese participated in the Syllabus Revision Workshop (UG) held at STAS Edappally on 29th February 2016.

Sam Kollannore U., Shareena E. M., Roshni Alex and Shernas mol A. A. participated in the Syllabus Revision workshop (PG) held at STAS Edappally on 4th March 2016.

10. INNOVATIVE & BEST PRACTICES

1. Due emphasis has been given to conduct skill based programmes which is the need of today.

- Industry Institute Interaction Programme
- Short Term Course on MATLAB
- Electronic Circuit Assembling Workshop
- One Day Workshop on Raspberry PI
- One Day Workshop on Proteus
- Teaching Practice for MSc Electronics Students
- Enrollment in ASAP programme: SolarPanel Technician
- Two-Day Hands-on Training on VHDL/Verilog Coding.
- Participation in Soft Skill Training Programmes

2. Yearly Electronic Project Exhibitions

3. Extension activities

- Yearly Five-Day Electronics Training Program for school students

4. Yearly NET coaching

5. Yearly Intercollegiate Quiz Contest: Freedom Quest

6. Interdepartmental activities

- Yearly Short Term Course on MATLAB
- Workshop on Raspberry Pi

7. Effective steps for curriculum updations

8. Constant involvement of Alumni

- in curriculum design
- for campus recruitments

11. OUR DEPARTMENT

NON-TEACHING STAFF

Name	Designation
Sabitha K. A.	Technical Assistant
Subitha Babu	Technical Assistant
N. B. Abdul Kareem	Lab Assistant

TEACHING STAFF

Teacher	Responsibilities
Sam Kollannore U.	Member, Board of Studies in Electronics, MG University Member, IETE, New Delhi Co-ordinator, B.Voc Programmes Convenor, General Discipline Member, Employees Cooperative Society Governing Body. Member, Staff Council Member, Planning Forum Member, PTA Executive Council Mentor, Walk With Scholar
Shemi P. M.	Member, Board of Studies, Calicut University Member, Energy Conservation Society Member, IETE Coordinator, EEEEC Staff Advisor for College Union
Rejeena K. A.	WWS, Coordinator Member,
Sheeba Varghese	Staff Council Member IQAC Women Cell Coordinator Member, College Bus Advisory Committee Mentor, Walk With Scholar
Bhavya Kamal	Member, Energy Conservation Society Member for M.Phil Valuation, Bharathiar University Co-ordinator, Remedial coaching
Ajimsha Maideen	M.Sc. Co-ordinator Co-ordinator, Fine Arts & Literary Club Member College Bus Advisory Committee Member, Website Advisory Board Co-ordinator, College Display System
Rajsha M. M	Co-ordinator, Nature Club
Shareena E. M.	Member, College bus Advisory Committee
Roshni K. Alex	Co-ordinator, PG Internal Examination
Shernas Mol A. A.	Joint Coordinator, Career Guidance & Placement Cell Member, Canteen Committee
Chika K. Gangadharan	Seminar Co-ordinator
Deepa Mathew	Department Documentations - Incharge

