



TEJUS

September -
October 2014

NEWSLETTER OF COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY



Cusat Vice Chancellor Dr. J. Letha is exchanging ideas with the media fraternity immediately after assuming charge as the Vice Chancellor.

from Engineering College, Thiruvananthapuram, Dr. Letha won the gold medal for her M.Tech from IIT, Madras, where she acquired her Ph.D. too.

She joined as Lecturer in Civil Engineering at NIT, Calicut and served as Asst. Professor, Professor, Dept. Head, Dean and Principal. On 1 April 2011 she joined as Director, Technical Education. Dr. Letha has served on the Governing Boards of IIT, Madras, IITMK, NIT, Calicut, University of Kerala, LBS Institute of Technology and Kerala State Pollution Control Board. She is also a member of Cusat Syndicate.

Dr. J. Letha takes over as Cusat Vice Chancellor

Dr. J. Letha, Director, Technical Education, Govt. of Kerala has taken charge as Vice Chancellor of Cochin University of Science and Technology (Cusat). The appointment was made by the Hon'ble Governor of Kerala who is also the Chancellor of the University. She is the 13th Vice Chancellor of Cusat as well as the first woman to decorate the post.

A professor of Engineering by profession, Dr. Letha took charge of the new post on 20 October 2014. Dr. K. Poullose Jacob, Pro-Vice Chancellor of the University was holding

Prof. (Dr.) J. Letha is the 13th Vice Chancellor of Cusat as well as the first woman to decorate the post

charge of the Vice Chancellor after Dr. Ramachandran Thekkedath vacated the post on 3 January 2014.

Dr. Letha who has more than 27 years' of experience in teaching, research and administration had served as Principal, College of Engineering, Thiruvananthapuram, Dean, Faculty of Engineering, University of Kerala and as Registrar, TEQUIP. A Civil Engg. graduate

As the Technical Education Director, she played a significant role in establishing e-governance in the Directorate, instituting the Technological University, formation of Trivandrum Science and Technology Park and upgradation of the state's polytechnics with central aid.

Dr. Letha's husband, Sri. G. Anil Kumar is a Retd. Supdg. Engineer and presently Vice President of Maccasserri Environmental Solutions India Ltd., New Delhi. Her daughter, Parvathi Nair (USA) and son, Gopikrishnan (IIM, Bengaluru) are both engineers.

Editorial...

It was with great pleasure and personal satisfaction that I took charge as Vice Chancellor of this esteemed University. I consider this change the fulfilment of a lifelong quest, and a golden opportunity for me to work with a prestigious organization, loaded with talents and destined to



erator and disseminator of quality knowledge. This is indeed a daunt-

or any such areas where cutting-edge research is done. Excellence at the level of the individual is to be incentivized. The unit for international relations at the University can be raised to the level of a centre where quality international research collaborations can be encouraged fruitfully. The revival of some of the centres, especially those with

as well, so that all delays are minimized or eliminated. But I disagree with the notion of Universities being mere factories that conduct examinations and produce degrees.

In the area of administration too, I am confident that complete digitalization and e-governance will radically enhance the efficiency of the University.

Excellence through Quality ..

scale great heights in the academic realm, internationally.

From my initial analysis, I have understood that the primary challenge we face would be in raising the bar for research at Cusat and bringing the quality at par with international standards. As an institution for higher education, a university should function both as a gen-

ing task for any one.

I think meaningful discussions about quality, research and reshaping pedagogy should be encouraged from the Syndicate level itself.

The opening of more centres of excellence and research in Cochin University of Science and Technology should take our University to greater heights. It could be on nano-technology

more outreach is also to be considered.

The whole system for conduct of examinations and other processes needs to be revamped to enhance efficiency as well as transparency. Remodelling the examinations on an online format should be the first step. All the associated processes should also be strengthened and stream-lined

Over and above all I wish to have the status of Cusat raised to one of national acclaim. I seek the whole-hearted cooperation and support of the academic fraternity, parents, as well as the administrative staff of the University to achieve this goal. Let us unite and march towards excellence.

Dr. J. Letha

The Government of Kerala has selected Dr. S. David Peter, Director, Unit for International Relations and Academic Admissions (IRAA) as the new Registrar of Cochin University of Science and Technology. Dr. David Peter joined as Lecturer in the Computer Science Division of the University in February 1986. An



was Principal of the School of Engineering for 4 years and also served as Director of the Centre for Information and Resource Management. Dr. S. David Peter is also holding the charge of the co-

Son of Rev. Susil and Deenamma, Dr. S. David Peter is married to Dr. Sumam Mary Idicula, Head, Dept. of Computer Science, Cusat and they have two children, Sam David, MBBS student and

Dr. S. David Peter New Registrar

expert in Computer Software and Artificial Intelligence, he

ordinator of the prestigious e-governance project at Cusat.

Anne David, a PG Engineering student.

"Raising Cochin University of Science and Technology to the level of a centre of excellence by the convergence of science and technology is my dream", according to Dr. J. Letha who took charge as the 13th Vice Chancellor of the University on 20 October 2014. "I promise all dedication from my part for the realization of that dream", she added. Dr. Letha was addressing media-persons after officially taking charge of the new post. Enhancing the research capabilities of the University and thereby creating a resource



Cusat Vice Chancellor, Dr. J. Letha takes charge as the Vice Chancellor of Cochin University of Science and Technology. Dr. K. Poulouse Jacob, Pro Vice Chancellor, Cusat, Dr. S. David Peter, Registrar, Dr. S. Anilkumar, Director, DPR&P & Sri. Sebastian Ouseph, Finance Officer are also seen.

Dr. J. Letha to raise Cusat as a Centre of Excellence

base for researchers from far and wide will be part of her agenda. Her strategy involves reviving the various research centres in the University to create centres of excellence and installing a fail-proof system for garnering maximum grants from central agencies.

The former Director of Technical Education, Govt. of

Kerala, Dr. J. Letha is the first woman to decorate the post of Vice Chancellor in the history of Cusat.

Dr. K. Poulouse Jacob, Pro-Vice Chancellor, Dr. S. David Peter, Registrar, Sri. Sebastian Ouseph, Finance Officer, Dr. A. B. Bhasi, Controller of Examinations, Dr. S. Anil Kumar, Director, Directorate of

Public Relations & Publications and heads of various departments participated in the function. ■

Ozone Day Observed

The Dept. of Biotechnology, Cusat with the financial assistance of Kerala State Council for Science, Technology and Environment conducted a one day programme as part of the Ozone Day Observance on 26 September. The function was inaugurated by Dr. S. David Peter, Registrar, Cusat. Dr. Godfrey Louis and Sri. C.R. Neelakandan presented papers. The prizes were distributed for the winners of inter-collegiate quiz and poster competitions. Dr. Padma Nambisan, Head of the Dept. of Biotechnology, Dr. Sarita G. Bhat, Dr. Sapna, Programme Convenor and Dr. Sreekanth addressed the gathering. ■



Dr. S. David Peter, Registrar, Cusat receiving Dr. J. Letha, Vice Chancellor, Cusat at the administrative office. Finance Officer Sri. Sebastian Ouseph is also seen

A high level conference of all Vice Chancellors in the State of Kerala convened by the Chancellor and Hon'ble Governor Justice (Rtd.) P. Sathasivam was held on 27 October 2014 at Cusat.

Sri. P.K. Abdu Rabb, Minister for Education, Kerala State, Dr. K.M. Abraham, Additional Chief Secretary, Dept. of Higher Education, Kerala State, Dr. J. Letha, Vice Chancellor, Cochin University of Science and Technology, Dr. P.K. Radhakrishnan, Vice Chancellor, University of Kerala, Dr. M. Abdul Salam, Vice Chancellor, University of



Sri. P.K. Abdu Rabb, Hon'ble Minister for Education, Kerala receiving the Hon'ble Governor (Rtd.) Justice P. Sathasivam. Dr. J. Letha, Vice Chancellor, Cusat and Dr. S. Anilkumar, Director, DPR&P and Sri. Sebastian Ouseph, Finance Officer, Cusat are also seen.

of Fisheries and Ocean Studies, Dr. B. Ashok IAS, Vice Chancellor, Kerala Veterinary and Animal Science Univer-

attended the meet. Cusat Vice Chancellor Dr. J. Letha welcomed the delegates and Dr. S. David Peter, Registrar

Vice Chancellors' conference

Calicut, Dr. P. Rajendran, Vice Chancellor, Kerala Agricultural University, Dr. Babu Sebastian, Vice Chancellor, Mahatma Gandhi University, Dr. M.K. Abdul Khader, Vice Chancellor, Kannur University, Dr. M.C. Dileep Kumar, Vice Chancellor, Sree Sankaracharya University of Sanskrit, Dr. B. Madhusoodana Kurup, Vice Chancellor, Kerala University

sity, Dr. Ellangovaan IAS, Vice Chancellor, Kerala University of Health Sciences, Dr. P.N. Suresh, Vice Chancellor, Kerala Kalamandalam Deemed University for Art & Culture and Dr. Kuncheria P. Isaac, Vice Chancellor, Kerala Technical University participated in the conference.

Sri. A. Ajit Kumar IAS, Secretary to Chancellor also

proposed the vote of thanks.

The Vice-Chancellors had made a brief presentation on the items in the agenda. The decisions of the meeting as per the Rajbhavan Press Release are as follows.

1. Publication of academic timetable with a definite schedule for admission, examination and release of results from the year 2015-16. This should be strictly adhered to and any deviation or departure from the published time frame will be closely monitored and necessary interventions shall be made by the Chancellor.

2. Deficiency-gap in syllabi with respect to leading institutions in the education sector has to be identified, Vice-Chancellors will have to personally intervene with each Board of Studies and the Academic Council appropriately and ens-



Chancellor and Hon'ble Governor (Rtd.) Justice P. Sathasivam receiving the guard of honour at Cusat. Sri. A. Ajit Kumar IAS, Secretary to Chancellor is also seen.



Hon'ble Chancellor and the Governor (Rtd.) Justice P. Sathasivam speaks at the Vice Chancellors' conference. Dr. K.M. Abraham I.A.S., Additional Chief Secretary, Higher Education and Sri. P.K. Abdu Rabb, Hon'ble Minister for Education, Kerala are also seen.

ure that the syllabi and pedagogy of the University is on par with the best in the country.

Collaboration with international organizations of repute, signing of MOUs with Corpor-

ployability of students.

5. It is proposed to set up a Chancellor's Council for discussing issues in higher education and problems common to the Universities. The Chancellor's Council may consist of :

1. The Pro-Chancellor (Minister for Education)
2. The Vice-Chairman, Higher Educational Council
3. All Vice-Chancellors of Universities headed by the Chancellor
4. Secretary, Higher Education; and

at Cusat

Meet Convened by Hon'ble Chancellor and the Governor

Each Vice-Chancellor should set a target for introducing Massive Online Open Courses that the best educational content available in the world will be made available to our students. Vice-Chancellors should set a target for the coming year in terms of the number of MOOC courses introduced in the Universities.

3. Proper regulatory interventions should be made in ensuring quality education in Self Financing Institutions under the University. This can be in terms of stricter evaluation of the conduct of examinations and valuation and installing CCTV cameras in examination centres.

4. Percentage of growth in tapping the funds from the UGC and other sources will be reckoned as a major parameter in assessing performance.

ate houses for establishing linkages, number of add on courses, particularly run by the University, availing of opportunities under additional Skill Acquisition Programmes (ASAP)etc. will be factored while assessing the efforts taken for upgradation of em-

5. Secretary to Governor - Convenor

The council may be convened as frequently as necessary so that it will serve as an effective forum for exchange of ideas and afford a co-ordination mechanism for resolution of issues.



Dr. J. Letha, Vice Chancellor, Cusat speaks at the Vice Chancellors' conference convened by the Chancellor. Dr. K.M. Abraham I.A.S., Additional Chief Secretary, Higher Education, Kerala State, Chancellor and the Hon'ble Governor (Rtd.) Justice P. Sathasivam and Sri. P.K. Abdu Rabb, Hon'ble Minister for Education, Kerala are also seen.



Sri. P.K. Abdu Rabb, Hon'ble Minister for Education, Govt. of Kerala and Pro-Chancellor delivers speech at the conference.

6. In consultation with the State Government, it is proposed to institute a Chancellor's Award as a measure to nurture the spirit of healthy

competition among the Universities for improving the quality of education.

The award may be in the form of release of a substantial sum meant for capital expenditure for any major project in the University. The measurable parameters for evaluating the performance and selection for the Chancellor's Award will be framed by a Committee of academicians.

7. To redesign the parameters for assessing performance, which is already under circulation, so as to incorporate suggestions also in the framework. It is planned to have quarterly review format introduced so that focused efforts and achievements are gauged and appreciated on the basis of merit.

The Chancellor looks forward to creative involvement and effective leadership in improving the standards of higher education.



Dr. K.M. Abraham, Addition Chief Secretary, Dept. of Higher Education



Dr. Babu Sebastian, Vice Chancellor, Mahatma Gandhi University



Dr. M.C. Dileep Kumar, Vice Chancellor, Sree Sankaracharya University



Dr. P.K. Radhakrishnan, Vice Chancellor, University of Kerala



Dr. B. Asok IAS, Vice Chancellor, Kerala Vet. & Animal Science University



Dr. K. Ellangovan IAS, Vice Chancellor, Kerala Unty. of Health Sciences



Dr. P. Rajendran, Vice Chancellor, Kerala Agricultural University



Dr. Kuncheriy P. Isaac, Vice Chancellor, Kerala Technological University



Dr. B. Madhusoodana Kurup, Vice Chancellor, KUFOS



Dr. M.K. Abdul Khader, Vice Chancellor, Kannur University



Dr. M. Abdul Salam, Vice Chancellor, University of Calicut



Shri. P.N. Suresh, Vice Chancellor, Kerala Kalamandalam University



Vote of thanks by Dr. S. David Peter, Registrar, Cusat

Decennial function of Kunjali Marakkar School of Marine Engineering and Passing out Ceremony of seventh batch of 29 students of four year B. Tech. Marine Engineering course was conducted in a colourful manner in the sprawling campus of the school on 22 August 2014. Capt. B.B. Sinha, Director (Personnel and Administration) of Shipping Corporation of India Ltd.,



Capt. B.B. Sinha, inaugurates the Decennial function. Dr. K. Sajan, Dr. K. Poulouse Jacob, Capt. Rajesh Unni, Sri. R.V. Srikanadas IPS and Dr. K.A. Simon are also seen.

Decennial celebrations at KMSME held

Mumbai was the Chief Guest of the occasion. During the public meeting, Dr. K. Poulouse Jacob, Vice-Chancellor (i/c) of Cusat presided. Capt. B.B. Sinha in his address stated that the life at sea for a marine engineer is very challenging and at the same time quite prospective to persue. Capt. B.B. Sinha also released

the Decennial edition of the souvenir, *SEAGULL-2014* published by the students of KMSME by handling over a copy to Prof. N.G. Nair, Course in charge, K.M. School of Marine Engineering. Capt. Rajesh Unni, CEO, Synergy Marine group of Companies, Chennai was the Guest of Honour. The highlight of the evening

was a special postal cover issued by the Indian Postal Dept., with first day cancellation in honour of completion of ten years of KM School of Marine Engineering, in service to the nation and the shipping world. This was released by Sri. R.V. Srikanadas IPS, Senior Supdt. of Post Offices, Ernakulam Circle.

B Tech Campus Placements: Cusat Soars

Cochin University of Science and Technology has scored high in placement of Engineering students. Around 75% of the students who completed the course have received placement, according to Dr. G. Madhu, Principal, School of Engineering (SOE) and Sri. C.V. Prem Kumar, Placement Officer at an average annual salary of Rs. 6 lakhs.

The branch-wise placement percentage is Computer Science (92), Information Technology (90), Electronics and Communication Engineering (65) and Safety and Fire Engineering (98). As majority of the students in

Civil and Mechanical Divisions have gone for higher studies, the placement is 30% each. The achievement is directly attributed to the guidance of professionals from within as well as outside the state in addition to the teachers of SOE, according to Dr. G. Madhu, Principal, SOE.

This year a total of 40 companies had visited the campus for recruitment and the maximum salary offered was Rs. 16 lakhs. 15 students from the school got the opportunity to conduct their final year project in TCS, Wipro and Oracle.

Course Certificates were handed over to the students by Dr. K. Poulouse Jacob, Vice Chancellor (i/c) of Cusat. The function was very well attended by shipping luminaries and the marine engineering fraternity of Cochin. Dr. K.A. Simon, Director, K M School of Marine Engg., Cusat welcomed the gathering and Dr. K. Sajan, Registrar proposed vote of thanks.



Capt. B.B. Sinha releasing the Decennial edition of the souvenir *SEAGULL-2014* published by KMSME by handing over a copy to Prof. N G Nair, course-in-charge .

The Kerala Govt. aims at making the state a global education destination, according to Sri. Oommen Chandy, Hon'ble Chief Minister of Kerala. In addition to providing education to the youth of the state, it is intended to stem the flow of students towards other states and countries for higher education as well as to attract students from other countries.

He was speaking after inaugurating the newly completed Seminar Complex at Cochin University of Science and Technology and the Golden



Sri. Oommen Chandy, Hon'ble Chief Minister of Kerala inaugurating the Seminar Complex and Golden Jubilee celebrations of SMS. Dr. M. Bhasi, Dr. A. Mujeeb, Prof. Nedumudy Harikumar, Sri. Benny Behnan MLA, Dr. K. Poulouse Jacob, Dr. K. A. Zakkariya, Sri. V. K. Ebrahim Kunju, Sri. Hibi Eden MLA, Dr. K. Sajan, Sri. Sunny P. Jose, Sri. Deepak Aswani and Dr. S. David Peter are looking on.

Cusat Seminar Complex & Golden Jubilee of SMS inaugurated

Jubilee celebrations of School of Management Studies on 16 September.

The process of elevating Cusat to the status of an Indian Institute of Engineering Science and Technology has progressed to the final stage and requires only the report from the Central Expenditure Commission for completion. It

is hoped that the up-gradation will be completed during this year itself. The decision has already been made to establish an IIT in Palakkad, he added.

Sri. V. K. Ebrahim Kunju, Hon'ble Minister for Public Works, presided over the inaugural function while Cusat Vice Chancellor Dr. K. Poulouse

Jacob, Sri. Benny Behnan, MLA, Syndicate Members, Sri. Hibi Eden, MLA, Sri. Sunny P. Jose, Prof. Nedumudy Harikumar, Dr. K. A. Zakkariya, Dr. A. Mujeeb, Dr. K. Sajan, Dr. M. Bhasi, Director, SMS, Sri. Deepak Aswani, former President, KMA and Dr. S. David Peter, Registrar spoke on the occasion.

The ultra-modern Science Seminar Complex, constructed under the supervision of Cusat Engineering Department, having two air-conditioned halls can seat a total of 750 participants and was built at a cost of Rs. 6 cr. It has all facilities to host National and International Seminars. The Main hall has an area of 6639 sq. ft. and a raised stage/platform of 1116 sq.ft. The Mini Seminar hall can seat 75 persons comfortably. Equipped with the latest technology in acoustics and scientific seating arrangements, the halls provide a



Sri. Oommen Chandy, Hon'ble Chief Minister of Kerala delivering the inaugural speech at the Cusat Seminar Complex.



Newly inaugurated Cusat Seminar Complex

theatre effect. The reception hall, separate dining area and all other rooms have been provided with the most advanced sanitary and other fittings. The first floor incorporates two office rooms, Executive Hall & Conference Hall that can accommodate 80 persons and toilets. The Seminar Complex occupies a total area of 32024

sq. ft. and has arrangements for rainwater harvesting.

The School of Management Studies was established in 1964 and gained reputation as one among the top 5 B-schools in India for decades. Its alumni decorate prestigious positions in various corporate as well as government organizations. ■



Sri. V.K. Ebrahimkundu Hon'ble Minister for PWD delivers the presidential address.

Cusat: Ship Tech Projects bag Japanese award

Class NK, a Japanese Ship Classification Society, has announced the winners of Class NK Best Project Award from among the final year B.Tech (NA&SB) students of Department of Ship Technology, Cochin University of Science Technology. The projects done by M. Sreejith and Joseph Praful Tomy were selected as the first and second best projects while those done by U. Harikrishnan & Sub. Lt. Saurabh Tripathi were selected as the third best projects.

For the year 2013, Class NK is giving Rs. 40,000/-, Rs. 35,000/- and Rs. 30,000/- as cash prizes for the first, second and two numbers of third best projects. Class NK, the biggest Ship Classification Society in the world has been awarding the best projects from the Dept. for the past seven years.

The awards were given away by Mr. Ajit Pradhan, Regional Manager-India, Class NK, Mumbai on 18 October 2014 at a function. ■

Cusat: M.Tech Marine Engg. Course Inaugurated

Cmdr. K. Subramaniam, Chairman and MD, Cochin Shipyard Ltd. inaugurated the newly introduced M.Tech Marine Engineering course at Kunjali Marakkar School of Marine Engineering, Cochin University of Science and Technology during a function presided over by Cusat Vice Chancellor (i/c) Dr. K. Poulouse

Jacob on 30 July. Cusat's K. M. School of Marine Engineering is the first to start an M. Tech course in Marine Engineering, according to Dr. K.A. Simon, Director, KMSME who welcomed the gathering. Dr. P.V. Sasikumar, Course Professor said that the course currently has only 18 seats, which will be enhanced in the near

future. Sri S. K. Sinha, Principal Officer, Mercantile Marine Department was the Guest of Honour at the function where Dr. Jose Paul, former Chairman, Mormugoa Port Trust, Prof. G. Madhu, Dean, Faculty of Engineering and Principal, School of Engineering addressed the gathering. ■

Intl. Symposium on Antennas and Propagation

The 14th Antennas and propagation Symposium (APSYM 2014) at Department of Electronics, Cochin University of Science & Technology is scheduled to be held from 17 to 19 December 2014 with a Pre Conference Workshop from 15 to 16.

Mathematics Olympiad

The Department of Mathematics, Cusat is organizing the Regional Mathematics Olympiad in association with the National Board for Higher Mathematics, Dept. of Atomic Energy, Govt. of India on 7 December 2014 at various centres in Kerala.

Distinguished Visiting Prof.

Dr. M.D. Mathew, former Senior Scientist and Head of the Mechanical Metallurgy Division at Indira Gandhi Centre for Atomic Research (IGCAR), Kalpakkam, Chennai has been selected for the AICTE-INAE Distinguished Visiting Professorship in the SOE, Cusat. He will be attached to the Mechanical Engineering Division of SOE.



Dr. K. Poullose Jacob, Pro Vice Chancellor Cusat inaugurating the digital photography workshop organised by the Department of Youth Welfare, Cusat. Dr. P.K. Baby, Ms. Seema Suresh, Wild Life Photographer and Sri. Josekutty Panakkal, Senior Photographer, Malayala Manorama are also seen.

Digital Photography Workshop

The Department of Youth Welfare, Cochin University of Science and Technology organized a three-day digital photography workshop, *FRAMES*, on the campus from 8 to 10, August 2014. The purpose of the workshop was to provide the participants an extensive and thorough expertise in digital photography. The workshop was inaugurated by Dr. K. Poullose Jacob, Vice-Chancellor (i/c) at Hindi auditorium. Dr. P.K. Baby, Director, Students Welfare welcomed the gathering and Ms. Seema Suresh, wildlife photographer and Camp Director proposed vote of thanks. Sri. Josekutty Panakkal, Senior Photographer, Malayala Manorama, Mr. Ullas G. Kalappura,

Ms. Aparna Purushothaman, Ms. Seema Suresh, Mr. Saburaj Thomson, Mr. Abdul Noushad (Director of Scoot School, Cochin) & Mr. Ajith Aravind from TCS handled various sessions. A total of 45 participants attended the workshop.

During the valedictory session on 10 August 2014 certificates were distributed by Dr. P.K. Baby, Ms. Seema Suresh, Mr. Abdul Noushad and Mr. Ajith Aravind. Mr. Akhil V.H, Mr. Nahaz P.A., Mr. Callastine Jude Lewis and Ms. Nila Gowri S. shared cash prizes of ₹2500, ₹1500, ₹1000 and ₹500 respectively in the photography competition organized as part of the workshop. ■

Free Knowledge Fest at Cusat

Cochin University Union in association with the Democratic Alliance for Knowledge Freedom (DAKF) organized a Free Knowledge Fest during 26 to 28 September 2014. Sri. V. K. Ebrahim Kunju, Hon'ble Minister for Public Works inaugurated the Fest on 26 September. Information technology workshops for faculties/ stud-

ents/ research scholars, seminars on various topics in information technology and its relevance in the social spectrum, exhibitions on open source tools, workshop on free software library tools etc., were included in the technical fiesta.

M.B. Rajesh M.P., Hibi Eden MLA, Member, Syndi-

cate, Cusat, Jamal Manakkadan, Chairman, Kalamassery Municipality, Dr. S. David Peter, Registrar, Cusat, L. Sreehari, Chairman, Cochin University Union, V.A. Zakir Husain, President, Dist. Sports Council and Dr. B. Ekbal, President, DAKF spoke on the occasion. ■



Cusat ST Radar a National Facility: Dr. T.K. Chandrashekhar

The Stratosphere Troposphere (ST) Radar installed in the Cochin University of Science and Technology campus is not just a University Project but a National Facility, according to Dr. T.K. Chandrashekhar, Secretary, Science and Engineering Research Board, Department of Science & Technology, Government of India. He was addressing the interactive section after inspecting the first Radar unit comprising of 49 antennae which was commissioned on an experimental basis on 30th September.

Kochi being the gate way to the monsoon, the ST Radar is suitably located for the study of the lower atmosphere as well as to peek into the ionosphere, opined Dr. B.M. Reddy, Chairman, PIC. Dr. K. Poullose Jacob, Vice Chancellor (i/c), Cusat presided over the function while Prof. K. Mohankumar, Director, ST Radar Project, Dr.

P. Sanjeeva Rao, Scientist G, SERB, Prof. S. David Peter, Registrar, Prof. K. Sajan, Syndicate Member and Sri. Sebastian Ouseph, Finance Officer addressed the gathering.

The ST Radar project which can analyze and predict wind direction, storms and monsoon from the atmospheric conditions will be able to contribute immensely towards diverse sectors like atmospheric research, defense, air transport and weather analysis, according to Prof. K. Mohan Kumar, Project Director. The project being installed in Cusat is the only one of its kind in India.

Prof. K. Vasudevan, Co-Principal Investigator, ST Radar Project proposed the vote of thanks. The business session that followed included discussions on several relative topics and concluded in the evening.

Use Smart Devices for Societal Benefit : Dr. K. Poullose Jacob

In an era where smart Devices are ruling the show, the welfare of humanity depends on how they are being used rather than their technical excellence, according to Cusat Vice Chancellor (i/c), Dr. K. Poullose Jacob. In this context, the moral values established in the society have a great significance.

He was delivering the inaugural address at the Orientation Programme for the first year B.Tech students of School of Engineering on 4 August 2014. Dr. K. Sajan, Registrar (i/c) presided over the function while Dr. G. Madhu, Syndicate Member and Principal, SOE, Dr. A. B. Bhasi, Controller of Examinations, Dr. M. R. Radhakrishna Panikker, Head, Division of Mechanical Engg., SOE, Dr. Sasi Gopalan, Head, Applied Sciences and Humanities Division, SOE and Dr. P. S. Sreejith, Professor of Mechanical Engineering spoke. ■

N.L. Sivakumar to represent Cusat at KAU

The Senate of Cochin University of Science and Technology has selected N. L. Sivakumar to represent the University at the General Council of Kerala Agricultural University (KAU). The Senate meeting on 28th June 2014 was chaired by Dr. K. Poullose Jacob, Vice Chancellor in-charge. N.L. Sivakumar is working as Section officer (Higher Grade) at KAU's Fisheries College, Vellayani, Thiruvananthapuram. ■

Union Budget will create a Digital India

The specialty of the Union Budget lies in the proposals aimed at a Digital India, according to Cusat Vice Chancellor (i/c) Dr. K. Poullose Jacob. Extension of broadband coverage in villages, development of startup villages, Smart Cities, etc. are some of the programmes envisaged in the Budget, he said. Dr. K. Poullose Jacob was delivering the inaugural address at the Discussion on Union Budget 2014-15 organized by the K. M. Mani Centre for Budget Studies (KMMCBS), Cochin University of Science and Technology on 15 July 2014.

Although a paradigm shift is not visible, the Budget shows proof of a strong effort to raise the economic growth rate by 7-8% in the coming years. It evidently is targeting the reduction of current account deficit and creation of a stable economy, with the emphasis on governance rather than government, he added.

The philosophy of budgets should have its focus on issues that affect the population, instead of a maze of facts and figures, according to Prof. M. A. Oommen, Director, KMMCBS, who presided over the function. Dr. Amit Shovon Roy, Director, Centre for Development Studies, Dr. Anuradha Balaram, Member Secretary, State Planning Board, Subrat Das, Executive Director, Centre for Budget and Governance



Dr. K. Poullose Jacob, Vice Chancellor (i/c), Cusat delivers the inaugural address at the discussion on Union Budget organized by KMMCBS. Dr. M.A. Oommen, Director KMMCBS and Dr. A.B. Bhasi, Controller of Examinations, Cusat are also seen.

Accountability, New Delhi Vinod Mathew, Resident Editor, The New Indian Express and Dr. Vinod Vyasulu, Advisor, Centre for Budget and Policy Studies, Bengaluru partici-

pated. Dr. A. B. Bhasi, Controller of Examinations, Cusat welcomed the gathering and Dr. Sabu Thomas, Coordinator, KMMCBS, proposed the vote of thanks. ■

Hindi day celebrated



Dr. S. David Peter, Registrar, Cusat inaugurating the Hindi day Celebrations.

The Hindi Day celebrations organized by Hindi Chattrha Parishad and Department of Hindi, Cochin University of Science and Technology was inaugurated by Dr. S. David Peter, Registrar, Cusat on 19 September 2014. Vishnu Thankappan, President, Hindi Chattrha Parishad presided over the

function. Dr. L. Suneetha Bai, Dr. N.G. Devaki, Professor and Head of the Department and S. Mahesh spoke on the occasion. In the Quiz competition conducted in continuation with the celebrations Hindi Department of Cusat came in first and Brennen College, Thalassery reached in second place.

Ph. D Awardees

Akhil K Nair Design of Metal Architectures; Synthesis and study of their Photophysical and Biomolecular Recognition Properties (Dr. D. Ramaiah)

Sebastian Thomas Efficacy of cluster-based approach for the revival of handloom co-operative societies in Kerala with special reference to Thiruvananthapuram and Kannur districts (Dr. M Meerabai)

Sasanka Kumar S Diagnosis of laser induced plasma using lib langmuir probe and the development of an automated laser blow off set-up for cleaning optical windows of tokamak and vacuum systems (Dr. M. K. Jayaraj)

James K K Synthesis and characterisation of wide band gap oxides for transparent electrode and multiferroic applications (Dr. M. K. Jayaraj)

Bhavya B Study of young stellar objects in star forming regions and open clusters (Prof. VC Kuriakose)

V Manju Bashini Samakaleen hindi upanyas main upabhog sanskriti ke vibhinnayam (Dr. R Sasidharan)

Igy George a study on cochin international airport limited-competitiveness, performance and passengers 'perception' (Dr. K. C. Sankaranarayanan)

Raji George A study on ultra I-topologies and lattices of I-topologies (Dr. T. P. Johnson)

Prabha C Underwater target localization, tracking and classification (Dr. P.R.S. Pillai)

S Rajkumar A study of management of inheritance in family businesses in Kerala (Dr. M. Bhasi)

C K Subramania Parasad A study on the utilisation of plastic wastes in stabilised masonry blocks (Dr. Benny Mathew Abraham)

Teresa Tincy TG Hindi ki stree atmakatha : Ek anuseelan (Dr. K. Vanaja)

Sreejith M Nair Design and development of coplanar strip fed planar antennas (Dr. P. Mohanan)

Deepa J Development of a fully

automated image analysis method for high density c dna and array cgh microarray based genomic studies (Dr. Tessamma Thomas)

Sanal K C Development of p-type transparent semiconducting oxides for thinfilm transistor applications (Prof. M. K. Jayaraj)

Ananda Resmi S Development of techniques for the automatic extraction and grade detection of glioma tumors from conventional brain magnetic resonant images (Dr. Tessamma Thomas)

Shaji P N Arbitrage pricing theory and return generating process: a macroeconomic approach to indian stock market (Dr. K. George Varghese)

Aneesh Kumar K V Investigations on longline fishing in lakshadweep sea with special reference to by catch issues, bait and hook selectivity (Dr. B. Meenakumari)

Anuja S Rights of women against domestic violence - the law and emerging challenges (Dr. D. Rajeev)

Jomy John Pattern analysis techniques for the recognition of unconstrained handwritten malayalam character images (Dr. K.V. Pramod)

Cimi A Daniel Synthesis, characterization and catalytic activity of nanocrystalline ceria modified with zirconia (Dr. S. Sugunan)

Sindhu M S A data mining approach for the identification of adverse drug events (ade) resulting from drug-drug interactions (ddi) to improve pharmacovigilance (Dr. B. Kannan)

Uma S Thermal, dielectric, pyroelectric and related properties of selected nano-crystalline multiferroics and polymer ceramic nanocomposites (Dr. Jacob Philip)

Baiju K K Institutional analysis of marine fisheries management practices in Kerala, India (Dr. K. T. Thomson)

Bindiya M Varghese Development of hierarchical clustering techniques for gridded data from mixed data sequences (Dr. A. Unnikrishnan)

Resmi Varghese Studies on inventory with positive service time under local purchase driven by n/t - policy (Dr. B. Lakashmy)

Magesh G Ecological studies of the parambikulam tiger reserve in the western ghats of india, using remote sensing and gis (Dr. A. R. R. Menon)

Kavitha K Smakaleen hindi upanyasom mein viswa vidyalay jeevan ke vividh aayam (Dr. K. Vanaja)

Neetha Mohan Molecular electrostatics for probing hydrogen bonds, halogen bonds and lone pair- π interactions and design of receptors for lone pair bearing molecules (Dr. C. H. Suresh)

Siraj K K A study on non performing assets of public sector banks in india with special reference to state bank of travancore (Dr. Sudarsanan Pillai)

Reji A P Development of directionally adaptive techniques for single image super-resolution (Dr. Tessamma Thomas)

Nobert Thomas Pallath (4d graphical visualisation based on rotation invariant moments and video object fusion for computer assisted spine surgery- (Dr. Tessamma Thomas)

Ullas G Kalappura Development and microwave characterisation of selected biocompatible materials and conducting polymers (Dr. K. T. Mathew)

Sujitha Kumari G S Adhunik hindi natak aur upanyas mein abhivyakt kalakar ki srijanatmakata ek anusheelan (Dr. P. A. Shemim Aliyar)

Nisha Nandakumar Radiopacity and chemical resistance of elastomer barium sulphate nanocomposites with special reference to natural rubber, ethylene propylene rubber and isobutylene isoprene rubber (Dr. Philip Kurian)

Navya Antony Immobilization of diastase ? - Amylase on to synthetic and natural polymers (Dr. P. V. Mohanan)

Srikrishnan S Software risk management in information systems off shoring and outsourcing (Dr. M. Bhasi)

Abhilash S Studies on fish waste management practices in Aroor Seafood Industrial Belt, Kerala and conversion of seafood waste in to a liquid plant growth supplement (Dr. Saleena Mathew)

Sreelakshmi N A quantile based analysis of income data (Dr. K. R. Muraleedharan Nair)

Sony Vijayan Indian law on control of vessel sourced pollution in maritime ports (Dr. A. M. Varkey)

Sonia Sunny A hybrid architecture for recognising speech signals in malayalam (Dr. David Peter S.)

Roshni Baby Thomas Dopamine receptor subtypes functional regulation in insulin induced hypoglycemic neonatal rats: effect of glucose, bacopa monnier; and bacoside a resuscitation (Dr. C. S. Poulose)

Jiya Jose Studies on metal resistant bacteria in Cochin estuary and its response towards antibiotics and silver nano particles (Dr. Shanta Achuthankutty)

Abesh Reghuvaran Process improvement of coir pith degradation involving white rot fungi by substitution of urea with nitrogen fixing bacteria and application of bio-degraded coir pith as plant growth medium (Dr. Anitha Das Ravindranath)

Sajitha T S Novel [3+2] annulation reaction of nitrones with burgess reagent and a few related reactions (Dr. P. A. Unnikrishnan)

Sunitha Poulose Marine yeast candida mccf 101 as feed supplement in aquaculture : nutritional quality, optimization of large scale production and evaluation of its protective effect on koi carp from aeromonas infection (Dr. I. S. Bright singh)

Anish Kumar M S Development of 2-d mrt based image compression techniques (Dr. R. Gopika Kumari)

A. Ramesh Assessment of energy conservation in Indian cement industry and forecasting of CO₂ emissions (Dr. G. Madhu)

Shiji K Analysis of stochastic volatility sequences generated by product autoregressive models (Dr. N. Balakrishna)

Jeena N S Genetic divergence in lobsters (crustacea : palinuridae and scyllaridae) from the Indian ee2 (Dr. A. Gopalakrishnan)

Bindhu B K Influence of major operational parameters on aerobic granulation for the treatment of waste water (Dr. G. Madhu)

Siju M Varghese Integron study molecular typing and characterization of salmonella serotypes isolated from seafood and poultry (Dr. Sarita G. Bhat)

Sasidharan K K Natural rubber latex filler masterbatch by soap sensitised coagulation-preparation, processing and evaluation (Dr. Thomas Kurian)

Anit M Thomas Algal blooms and associated bacteria along the south west coast of India (Dr. A. V. Saramma)

Alphonsa Vijaya Joseph characterization and pathogenicity of vibrio cholerae and vibrio vulnificus from marine environments (Dr. Sarita G. Bhat)

Renjini D Market orientation and organisational performance of nonprofit organisations in Kerala (Dr. Mary Joseph T.)

Smitha V S Sol-gel photocatalytic titanium dioxide multifunctional nanocomposites and coatings (Dr. K. G. K. Warriar)

Jayaprasad P N Maximal compactness, minimal hausdorffness and reversibility of frames and a study on automorphism group of frames (Dr. T. P. Johnson) ■

'Monsoon Madness' held

The fourth edition of Monsoon Madness conducted by the Dept. of Youth Welfare, Cusat in association with the Dept. of Wildlife and Forests, Govt. of Kerala during 22-24 August 2014 was held at Chimmony wildlife sanctuary. The primary goal of the camp was to provide the students an opportunity to immerse into nature and get a better sense of understanding about the resources and beauty of nature. 42 campers participated. The serene and beautiful Chimmony wildlife sanctuary, located in the Western Ghats,

is one of the world's 25 biodiversity hot-spots, the heaven of innumerable species of endangered plants and animals. Dr. P.K. Baby, Director, Dept. of Youth Welfare, Cusat lead the programme. Sri. K.T. Pious, Asst. Wildlife Warden and Range Officer, Chimmony Sanctuary gave a brief introduction. Sri. Xavier Elthuruthu, wild animals' catcher, Sri. Dharmarajan,

environmental activist and Adv. Harish Vasudevan, Environmentalist took classes. Trekking, cleaning, eco-walk and film show were also held as part of the programme. ■



Campus Notes

Aswin V. Nair new University Union Chairman

Aswin V. Nair (V Sem., BBA-LLB Hons., School of Legal Studies) has been elected as the new University Union Chairman. The other office bearers



Aswin V. Nair
(Chairman)



E.A. Nihás
(Gen. Secretary)



Gokul
(Vice Chairman)



Chandup
(Secretary)

are S. Gokul (Vice Chairman-III Sem., Ship Technology), E.A. Nihás (General Secretary-III Sem., School of Engineering), and P. Chandu (Secretary-III Sem., CUCEK). Executive committee members: K. Arun (I Sem., Atmospheric Sciences), Arun Raj (I Sem., Computer Applications), Jishnu Rejimon (III Sem. Dept. of Polymer Science and Rubber Tech.), P. Praveen (Ph.D., School of Industrial Fisheries), C. Sajad Mohiyudheen Shafi (I Sem. School of Engg. Cusat).



Sri. Sunny P. Jose, Syndicate Member (nominated by the Chancellor), Cusat calls on the Hon'ble Chancellor at RajBhavan. Smt. Mary Sunny is also seen.

Inculcate Science Camp held

The second section of the Science Camp 'Inculcate', of Shashtra Pariposhana Scholarship programme of State Government inaugurated by Dr. K. Poulouse Jacob, Vice Chancellor (i/c), on 27 September 2014. The camp was organized by Cochin University of Science & Technology and

Kerala State Science & Technology Museum

Dr. Joseph John, Syndicate Member, Prof. K. Gireesh Kumar, Co-ordinator and Dr. N. Manoj spoke on the occasion. Selected 60 high school students from the districts Malappuram and Calicut participated in the camp.



Dr. K. Poulouse Jacob, Vice Chancellor (i/c), Cusat delivering the inaugural address at the second section of the Inculcate Camp. Dr. K. Girishkumar, Dr. Joseph John (Syndicate Member, Cusat) and Dr. N. Manoj are on the dais.

Tejus Editorial Advisory Board

The Vice Chancellor

Dr. A. Vijayakumar

Dr. N.G. Devaki

Dr. S. Anil Kumar (Convenor)

- Editor: Dr. S. Anil Kumar, Director, Public Relations and
- Publications (Directorate of PR & P), Cochin University of
- Science and Technology, Kochi - 682022, Kerala.
- Printed and Published by Dr. S. David Peter, Registrar, Cochin
- University of Science and Technology, Kochi - 682022, Kerala.
- Printed at PrintExpress, Kaloor, Kochi - 682017.

Visit of the Hon'ble Chancellor to Cusat



Vice Chancellor receives Sri. P.K. Abdu Rabb, Hon'ble Minister for Edn. Dr. S. David Peter, Registrar & Dr. K. Poulouse Jacob, PVC, are also seen



Dr. J. Letha, Vice Chancellor, Cusat presenting the memento to Chancellor and the Hon'ble Governor during his visit



Dr. K.M. Abraham, Addl. Chief Secretary, Higher Education being received by Dr. J. Letha, Vice Chancellor, Cusat



Arch-gate installed in front of the Admn. Office of Cusat to welcome the Hon'ble Chancellor

Dr. J. Letha assumes charge as Vice Chancellor of Cusat



Hearty welcome to the Hon'ble Vice Chancellor



A friendly meeting with the media fraternity



Interactive session in progress



A word of thanks to the Media by Director (PR&P)