



TEJUS

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NEWSLETTER OF COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY



Hon'ble Governor and Chancellor Sri. Justice P. Sathasivam lights the ceremonial lamp while Dr. K. A. Zakkariya, Syndicate member, Cusat Vice Chancellor Dr. J. Letha, Dr. K. Poulouse Jacob, Pro-Vice Chancellor, Dr. A. N. Balchand, Syndicate member, Dr. S. David Peter, Registrar and Dr. S. Anil Kumar, Director, Public Relations and Publications are looking on.

The Chancellor announced that Cusat faculty members, who bring projects worth more than Rs. one crore, would be aptly recognized under the new "Enrich" scheme. Students who get best paper award in Science Congress will be felicitated. Best researcher and best faculty awards will be given to the selected faculty under this scheme from the next academic year. Faculty taking up research projects from national agencies will be recognized. For projects up to

Governor launches three new initiatives at Cusat

The State Governor Sri. Justice P. Sathasivam on 22nd June 2015 asked why none of the universities in the country has been capable of being ranked among the finest in the world. In his address at the launch of three new initiatives at Cusat such as Enrich programme, Technology business incubator and Adjunct faculty scheme during Prathibha Sangamam, Mr. Sathasivam, who is the Chancellor of the varsity, said that he had "always felt a sort of riddle with regard to the performance of Indian universities". "We have eminent educationists and academics that constitute excell-

ent faculties. Our students are brilliantly aspiring and ambitious as their counterparts elsewhere," he said.

Rs. One crore, a grant of ten percent will be provided by the university to meet any
(see page 4)



Cusat Vice Chancellor Dr. J. Letha welcomes Hon'ble Governor Sri. Justice P. Sathasivam on his arrival at the Seminar Complex. Dr. A. N. Balchand, Syndicate member, Dr. K. Poulouse Jacob, Pro-Vice Chancellor and Dr. K. A. Zakkariya, Syndicate member are also seen.

Editorial...

The higher education sector worldwide is poised for a giant leap and governments & educationists are walking a tightrope in their efforts to achieve targets at par with global standards, to satisfy the needs of the industry as well as students. As far as higher education is concerned the stake-



holders are honoured in a befitting manner. The Hon'ble Chancellor had also launched the Ad-junct Faculty Scheme which addresses the is-

Towards Greater Heights ..

holders are many, and their requirements are multitudinous. The only option available in this scenario is to adopt a proactive approach attempting to satisfy every need possible keeping in mind the future of the university as well as the quality parameters.

Our University's functioning has been guided by this approach for a long time now, and the effects are quite evident. The encouragement of students in academic activities is an imperative in the University system. Through proper inspiration, academic pursuits should become a passion for them. Teachers who display academic excellence should also be encouraged. The Enrich programme, launched by the Hon'ble Chancellor on 22nd June together with the Technology Business Incubation Centre, is designed with such an aim in mind through which Teachers/ Non-teaching staff and Students who win

sue of vacant faculty positions.

In an effort to enhance research activities in the University a High Power Research Council to facilitate guidance, ethical practice and ensuring quality in research besides providing orientation programmes for writing good theses is being set up. Steps are being initiated for strengthening & streamlining research and science popularization activities at the various Centres.

Action is being taken for meticulously following academic and examination calendars. A comprehensive plan is being developed for conducting examinations in a fool-proof manner which includes installation of CC TV cameras, deputing of inspection teams to examination centres and implementation of digital examination systems. Examination online registration system has been introduced in an effort to reduce paperwork. Hall-tickets can be downloaded at the ex-

amination centres and question papers will be delivered electronically. The frequency in updation of course content will also be enhanced to keep our courses at par with international academic standards.

24/7 access to the web for students, facilitating learning from Massive Open Online Courses (MOOC) is being mooted. This will help students to watch

video lectures of their interest from MOOC sites and make available on-line journals for researchers.

The ongoing e-Governance project is being expeditiously implemented with a view to enhance the overall quality of governance in the University. The University Administration is going to undergo a sea change when the project reaches completion. It is aimed at bringing the benefits of digital revolution to University administration, academics & research areas. It will lead to democratization of Universities with full employee satisfaction. By complete digitalization of examinations, timely conduct of examinations and declaration of results within days of the examination is possible together with the creation of a student friendly as well as eco-friendly atmosphere.

The pertinent question to be answered at this juncture is the role and contribution of our

University towards the national education scenario. I am indeed happy to place on record that Cusat is also in the line here with our Hon'ble Chancellor at the helm of affairs. The budget for the year 2015-16 has proposed a couple of progressive steps towards the fulfilment of our goals. Our University has tried to address the needs of the common man also in some of the projects being implemented here, as part of our responsibilities towards the public since the lion's share of our expenditure is funded by the taxpayers' money.

The active functioning of Centre for Science in Society to develop scientific awareness among school children and the facility for weekly weather forecast for the benefit of the general public and farmers in particular, after commissioning of the ST Radar at Cusat is a positive step in this direction.

Summing up, I can confidently say that our University is going through changes, for the better. In the words of Henry Wadsworth Longfellow, the heights by great men reached and kept, were not attained by sudden flight, but they while their companions slept, were toiling upward in the night. Likewise, with the support of all stakeholders, and a lot of toil, I am sure we can take our University to greater heights.

- Dr. J. Letha

Opening up new avenues for students, Cusat has joined the South Asia Anglia partnership for an initiative to bring universities in India, Pakistan and Sri Lanka to focus on the internationalization of student learning experience.

Kolkata University, Mumbai University and Mysore University are the three other higher education institutions which are already part of this league, which is supported by the British Council. The partnership is aimed at reducing the cost of overseas education. For example, an under-



Dr. K. Poulouse Jacob, Pro-Vice Chancellor, Cusat poses with Dr. Michael Thorne, Vice Chancellor, Anglia Ruskin University, Chelmsford in London after discussions on South Asia Anglia Partnership

Council. "Students will get the benefit of this tie-up from 2015-16 academic year onwards. South Asia Anglia Ruskin is a network of universities initiated by the Anglia Ruskin University as part of the transnational education project launched by the British Council," said Cusat Pro-Vice Chancellor K. Poulouse Jacob.

The Pro-Vice Chancellor has also represented Cusat in the "Going Global" International Meet held in England during 1-2 June at the Queen Elizabeth II Conference Centre in Westminster,

Cusat Joins Global League of Varsities

graduate engineering programme enables students to study for three years in India and the final year in the UK and a specialized MBA where students study one year in India and complete the course at Anglia Ruskin University.

Cusat joined the initiative following a discussion conducted by Cusat Pro-Vice Chancellor K. Poulouse Jacob with Anglia Ruskin University Vice-Chancellor Michael Thorne. The Pro-Vice Chancellor was in London to attend the

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Going Global-2015 Conference, an initiative of British

London. "Going Global is a forum for education where world leaders debate issues affecting international higher education to formulate collaborative solutions. It is considered to be the world's largest gathering of leaders in education. Discussions were also held on professional doctorate programmes that allow researchers to gain expertise while continuing to work in their respective universities and countries, students and faculty exchange programmes in a variety of areas," he said.

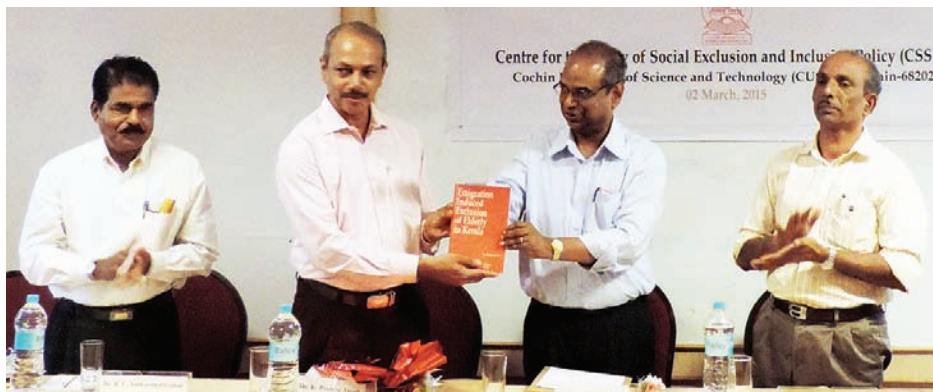
Workshop on Research Methodology

A 2-week Workshop on Capacity Building in Research Methodology being organized by the Equal Opportunity Cell,

Cusat for Social Studies Faculty members was inaugurated by Dr. K. Poulouse Jacob, Pro-Vice Chancellor, Cusat on 16 March. Dr. S. David Peter, Registrar, Cusat presided over the function. The workshop was sponsored by Indian

Council of Social Science Research and is intended to strengthen the capacity of researchers, according to Dr. Sasi Gopal, Programme Co-Director, Capacity Building Programme, Equal Opportunity Cell, Cusat. ■

Inequalities in higher education to be measured - Dr. Gangan Pratap



Dr. Poullose Jacob, PVC, Cusat is releasing the book titled “Emigration induced exclusion of Elderly in Kerala” by handing over a copy to Dr. Gangan Prathap, former Vice Chancellor, Cusat. Dr. D. Rajasenan, Director, Centre for the Study of Social Exclusion and Inclusive Policy (CSSEIP) and author and Dr. K.C. Sankaranarayanan, former Head, Dept. of Applied Economics are also seen.

The inequality in representation of socially cohesive groups in higher education has to be measured, according to Dr. Gangan Pratap, Distinguished Scientist, CSIR-NIIST and former Vice Chancellor, Cusat. He was inaugurating the Workshop on “Poverty Traps: Policy Interventions and Household Economics Development” organized by the Centre for the Study of Social Exclusion and Inclusive Policy, Cusat on 02 March, 2015. Dr. Gangan Pratap stressed on measuring the inequality in the representation of socially cohesive groups in higher education.

He added that if social inclusion is about reducing inequalities between the least advantaged groups and communities and the rest of society by closing the opportunity gap and ensuring that support reaches to those who need it most, then much more needs to be done to bring this into existence. Dr. D. Rajasenan, Director, CSSEIP, presented the theme paper.

The elevated reliance of the backward STs and SCs on the agricultural and non-agricultural sectors as wage earners makes them highly vulnerable in the matter of income earning capacity. Mr. Bijith George Abraham proposed vote of thanks. Dr. K. Poullose Jacob, Pro-Vice Chancellor who presided over the function also released a book titled “Emigra-

tion induced exclusion of Elderly in Kerala” authored by Dr. Rajasenan and published by the Directorate of Public Relations and Publications, Cusat.

Dr. Gangan Pratap also released the official Journal of CSSEIP titled “Inclusive Development”. Dr. K.C. Sankaranarayanan, former Head of the Dept. of Applied Economics released three working papers namely (i) Education Exclusion in the Professional Self-Financing Sector in Kerala: A Social Class Analysis” (ii) Dynamics of Household Economic Development in Meenagady and Meppady Panchayaths in Wayanad district: A Social Class Analysis” and (iii) An Empirical Examination of the Inter-Temporal and Inter-Generational Dimensions of Poverty among the Social Classes in the Bio-Diversity Hotspots of Wayanad” during the function. ■

(from page 1) **The Governor** expenditure relating to it, he said. The varsity will release a contingency assistance of Rs. 10,000/- to research students, who bag various awards, to meet their research expenses. Five fellowships will be instituted for women researchers to participate in international seminars. The newly launched Technology Business Incubator will be managed by the varsity's Centre for Innovation Technology Transfer and Industrial Collaboration. The adjunct faculty scheme will encourage aca-

demics from outside the university system to enhance faculty resources of Cusat.

Cusat Vice Chancellor Dr. J. Letha delivered the keynote address. Dr. K.G. Nair, Director, Centre for Science in Society, Cusat and Dr. K. Mohankumar, Director, Advanced Centre for Atmospheric Radar Research, Cusat were felicitated.

Dr. K. Poullose Jacob, Pro-Vice Chancellor, Dr. K.A. Zakkariya, Dr. A.N. Balchand (Syndicate Members, Cusat) and Dr. S. David Peter, Registrar, Cusat spoke. ■



Dr. Poullose Jacob, Pro-Vice-Chancellor, Cusat is presenting the University Budget for the year 2015-16 at the Syndicate meeting. Sri. Sebastian Ouseph, Finance Officer, Cusat, Cusat Vice-Chancellor, Dr. J. Letha and Dr. David Peter, Registrar are also seen.

Surplus Budget for Cusat

Captive Solar Plant; Weather Forecast for farmers

The Budget 2015-16 presented at Cusat on March 28 features proposals for a captive solar power plant and Technology Business Incubation Centre. The Govt. of India supported Stratosphere Troposphere (ST) Radar nearing completion in the Trikkakara campus will provide daily weather forecasts for the benefit of the public and especially the farmers. A High-power Governing Council for Research activities will be established for fighting value-erosion and encouraging ethical and scientific practices in research.

The sociocentric and popular budget is the first to be presented after Dr. J. Letha took charge as Vice Chancellor of Cusat. It also has the specialty of being presented by the Vice Chancellor herself as well as being a surplus budget. With a revenue of Rs. 260.26 Cr. including that from self financing institutions and an expenditure of Rs. 249.53 Cr., the Budget envisages a surplus of

Rs. 10.73 Cr. But the Non-Plan outlay shows a deficit of Rs. 7.56 Cr. with a revenue of Rs. 114.8 Cr. against expenditure of Rs. 122.36 Cr.

A state govt. grant of Rs. One Cr. is expected for the Technology Business Incubation Centre which will promote commercialization of technology. Financial aid from the central as well as state governments is expected for the solar power plant in addition to an amount of Rs. 2.07 Cr. from the state govt. under Rashtriya Uchcharat Shiksha Abhiyan (RUSA). A Techno-Legal Patent Felicitation Centre is also planned with the help of Kerala State Council for Science Technology and Environment.

The publishing of books in Malayalam will be encouraged to give prime importance to the language. Printing of invitation cards to important functions in Malayalam also will be considered. Coaching classes to the students appear-

ing for GATE and NET examinations are being planned. The Centres established for research and popularization of science will be strengthened. The presence of a full time Medical Officer in the campus will be ensured. The achievements of teachers and students on international/national/state level will be honored under the ENRICH programme. Seed-money will be distributed to students with achievements on national/state level as per recommendations

of the Departmental Committee. The Budget also recommends authorizing the academic departments to appoint Adjunct Professors so that the shortage of teachers is reduced. An amount of Rs. 20 Cr. has been set aside for new projects in the budget.

The entry of anti social elements into the campus will be prevented by strengthening the security system as well as monitoring and restricting vehicular traffic at night.

The efficiency of University Administration will be ensured by speeding up the e-governance project. The total computerization of Examination wing will facilitate faster declaration of results. The Budget also proposes ways to collect grant amounts that are in arrear from central and state agencies. The self-financing institutions like School of Engineering, Cochin University College of Engineering, Kuttanad (CUCEK) and K M

(see page 10)

CUSAT B.Tech VIII Sem. results published

The results of B.Tech. VIII Semester examination held in April 2015 by Cusat have been published. Cusat Vice Chancellor Dr. J. Letha congratulated the winners, parents and teachers. The first three rank holders under each branch are as follows:

Civil Engineering - Pooja C P (School of Engineering, Cusat), Sreya M V (College of Engineering, Trikaripur), Sonia George (College of Engineering, Kidangoor)

Computer Science & Engineering - Sreejith Y (College of Engineering, Chengannur), Achyuth Ashok (Model Engineering College, Thrikkakara), Nithya S Abraham (College of Engineering, Adoor)

Electronics & Communication Engineering - A S Pathma Priya A (SOE, Cusat), Aysha Beevi V S (MEC, Thrikkakara), Merin Philip (College of Engineering, Kalllooppara)

Food Technology - Sonu Susan Mathew (TKM Institute of Technology), K. Preetha (TKM IT), Risha Parveen T S (TKMIT)

Electrical & Electronics Engineering - Maria Merin Antony (MEC, Thrikkakara), Chai-

thra Radhakrishnan (MEC, Thrikkakara), Abhilash N (MEC, Thrikkakara)

Electronics & Instrumentation Engineering - Thrishna S Nair (College of Engineering, Kidangoor), Vidyesh C T (CE, Kidangoor), Divya Sudhan (CE,



Pooja C.P.



Sreejith Y.



A.S. Pathma Priya A.



Sonu Susan Mathew

Kidangoor)

Electronics & Biomedical Engineering - Jeslin P Issac (TK MIT), Anan E A Rahim (MEC, Thrikkakara), Sify Vargheese C (MEC, Thrikkakara)

Information Technology - Sunu Fathima T H (TOCH College of Engineering), Anju John (TOCH), Sagar Surendra



Thrishna S. Nair



Ayyappathejus M.



Jeslin P. Issac



Sunu Fathima T.H.



Sayuj S.



Maria Merin Antony

(SOE, Cusat)

Mechanical Engineering - Sayuj S (CE, Adoor), Adarsh C K (Sarabhai Institute of Science & Technology), Varun L (SIST)

Safety & Fire Engineering - Ayyappathejus M (SOE, Cusat), Rahul G. Nair (SOE, Cusat), Muhamad Aslam M A (TOCH). ■

Meritorious students receive Certificates of Merit from the Hon'ble Chancellor, at the Prathibha Sangamam organized at Cusat



Cusat bags US Project worth 2 Lac USD

Cusat has been selected for the 4th Indo-US 21st Century Knowledge Initiative award worth 1,90,000 US Dollars. Only four University Institutions in India are selected for this prestigious grant. A project proposal on innovative reforms in marine biotechnology education and research and development of sustainable aquaculture production systems submitted by National Centre for Aquatic Animal Health (NCAAH) of Cusat was approved by the US State Dept. for this recognition. The proposal was submitted by Dr. I.S. Bright Singh, a UGC – BRS professor at Cusat as the Principal Investigator and Dr. Valsamma Joseph and Dr. T.P. Sajeevan as Co-ordinators.

Dayalbagh Educational Institute, Agra, UP, Jamia Millia Islamia, New Delhi and Gandhigram Rural Institute, Dindigul, Tamilnadu are the

other Indian institutions which won the Award this year.

The award can be utilized over a three-year period for developing marine drugs for human and aquatic animal health and fuel. It will help in raising marine biotechnology education and research at



Dr. I.S. Bright Singh

Cusat to world class level. The Indo-US workshops and symposia proposed during the period will benefit a larger academic community through participation by students, faculty, researchers and experts in the area. The initiative was announced in November 2009 by Prime Minister Manmohan Singh and President Barack Obama, (Obama Singh Initiative) with each Government

pledging 5 million US Dollars to form a corpus of 10 million US Dollars.

Innovative and integrated approaches in marine bio prospecting and natural product discovery towards marine drugs for human and aquatic animal health and biofuel. The proposed programme will transform the marine biotechnology education and research at the Cusat to world class level in content, quality, knowledge imparting and evaluation methods. ■

MATCON 2016 on January

The Cusat Dept. of Applied Chemistry will organize an International Conference on Materials for the Millennium (MATCON 2016) from Jan 14 to 16, 2016, according to Dr. K. Girish Kumar, Co-ordinator. Over 30 International Senior Scientists will participate. www.matcon.cusat.ac.in. ■

Atul Antony Zacharias, scores First Rank for CAT

The results of the Common Admission Test (CAT) for admission to various B Tech, 5 year B.Com LLB/BBA LLB and 5 year Integrated M.Sc. in Photonics programmes conducted by Cusat have been published.

Atul Antony Zacharias, son of Anil Z. Antony and Suma Mary Thomas, Silver Spring, Kappilmukku, Thathampally, Alapuzha scored the first rank, while Mohan Nandakumar, son



Atul Antony Zacharias

of Nandakumar D. and Miny. G, Krishna Grace Valley,



Mohan Nandakumar



Nithin G. K.



Sachin P. Thankachan



Amal R.S.

University Road, Cochin University.P.O., Ernakulam came in second, Nithin G. K., son of G. Gopalakrishnan and S. Usharani came in third for the B. Tech Admission Test.

Among KSC candidates, Sachin P. Thankachan, son of P.I. Thankachan, Vattamala House, Kudayathoor, Kudayathoor. P.O., Idukki scored first rank. Amal R.S., son of S.A. Rajan, Aiswarya 19/557B, Waterland Road, Palluruthy, Ernakulam, scored first rank among the KST candidates. ■



Prof. M. Thomas Mathew is inaugurating the UGC National seminar on Malayalam Navajagaran organized by the Department of Hindi. Dr. Sunil P. Elaidam, Prof. Scaria Zakkaria, Dr. K. Vanaja and Dr. N. Mohanan are also seen

“Aaramathe Penkutti” by Dr.N. Mohanan, Syndicate Member and Dean, Faculty of Humanities on the occasion by handing over copies to Prof. Anamika and Dr. Shambhunath. Dr. Shameem Aliyar, Dr. K. Ajitha, Smt. Sugandhavalley and Dr. R. Sasidharan participated. A UGC National seminar on Malayalam Navajagaran was also held on 26th March at dept. of Hindi, Cusat. The seminar was inaugurated by Prof. M. Thomas Mathew, Noted critic in Malayalam lite-

National Seminar on Hindi and Malayalam held at Dept. of Hindi

Ideas of renaissance will bestow energy to a society hounded by globalization and commoditization, according to Dr. Shambhunath, renowned Hindi critic. He was delivering the key-note address at the 3-day National Seminar on “Hindi Aur Malayalam Navajagaran” organized by the Dept. of Hindi, Cusat during 24 to 26 March 2015. Although Indian Renaissance is believed to be a continuation of Bengal’s Renaissance, it is actually the collective result of citizens’

interventions, he added. Prof. Anamika, eminent Hindi writer from Delhi University who inaugurated the Seminar, opined that the Indian Renaissance took birth as a process for inclusion of the downtrodden and it grew and blossomed in the minds of the people. Cusat Vice Chancellor Dr. J. Letha release a book titled “Hiritha Bhaashaa Shaastra Vimarshanam” authored by Dr. K. Vanaja, Head, Dept. of Hindi and “Chadi Ladki” a Hindi translation of Sethu’s novel

rature. Prof. M.N. Karaserry, Prof. Scaria Zakkaria, Dr. Sunil P. Elaidom, Dr. K. Vanaja and Dr. N. Mohanan, spoke. ■

Best Poster Award in climate change

Shri. Akhilesh Vijay, Ph.D. scholar in the Dept. of Marine Biology, Microbiology and Biochemistry, School of Marine Sciences, Cusat has received the Best Poster award at the Fifth *National Research Conference on Climate Change* jointly organised by the Indian Institute of Technology, New Delhi, Madras, Indian Institute of Science, Bangalore and Centre for Science and Environment, New Delhi from December 19 to 20, 2014. Mr. Akhilesh Vijay won the award on the paper titled “Carbon Emission Potential and Dynamics from the Paddy Wetlands of Kerala-India” and is pursuing his Ph.D. programme under the guidance of Dr. S. Bijoy Nandan, Associate Professor, Dept. of Marine Biology. ■



Dr. Anamika, noted Hindi writer is inaugurating the UGC National seminar on Hindi Navajagaran organized by the Department of Hindi. Also seen are Dr. K. Vanaja, Dr. Shambhunath, Dr. Karunasankar Upadhyay and Dr. N. Mohanan

Oil pollution poses grave danger - Capt. Joseph Alapat

Total surrender to knowledge can create passion in you which will lead to success in life, according to Cusat Vice Chancellor, Dr. J. Letha, who was delivering the inaugural address at the National Technology Day Oration jointly organized by Directorate of Public Relations & Public Relations, Centre for Science Communication and K.M. School of Marine Engineering, Cusat.



Cusat Vice Chancellor Dr. J. Letha is inaugurating the National Technology Day celebrations organized by the Directorate of Public Relations and Publications, Centre for Science Communication and KM School of Marine Engineering. On the dais are Dr. S. Anil Kumar, Dr. K.A. Simon, Capt. Joseph Alapat, and Prof. N.G. Nair.

National Technology Day Celebrations

Capt. Joseph Alapat, Harbor Master, Cochin Port who delivered the Oration on “Oil Pollution-Its impact and mitigative measures” said that oil pollution in the oceans poses great danger not only on the seas, but also on land and the atmosphere. Stringent action has to be initiated against this on national as well as international levels in order to avoid a string of catastrophes, he added.

Nithin M.S., Sree Govind S. from KMSME, Cusat won the first prize in the Techno Quiz organized to commemorate the occasion while Abhishek Vinayak, Hitesh Dixit from Eurotech Maritime Academy and A. Chandrasekharan and Vishnu Das V. V. of KMSME, Cusat shared the second prize. Arun P., Pratap Chitlangiya from Dept. of Ship Technology came in third at the Techno-quiz

organized as part of the National Technology Day. Awards were handed over to the winners of by the Vice Chancellor on the occasion.

Dr. K. A. Simon, Director, K.M. School of Marine Engineering, presided over the function. Dr. S. Anilkumar, Director PR&P, Prof. N.G. Nair, Course-in-Charge spoke. The programme was supported by Kerala State Council for Science, Technology and Environment.



In spite of certain criticisms, the Union Budget 2015-16 is bound to earn a place in history by its various specialities, according to Dr. Narendra Jadav, noted economic

Union Budget will earn a place in history : Dr. Narendra Jadav

expert and former Planning Commission member. The new government's first full and regular speed-track budget's presentation during a very suitable economic atmosphere and its stable character make it historic. Unlike earlier ones, this Budget provides more significance to state governments. It can be considered a mixed bag with merits as well as demerits, since it incorporates several beneficial schemes for social security, infrastructure development, etc.

Dr. Jadav was speaking on the “Union Budget 2015-16” organized by the K.M. Mani Centre for Budget Studies, Cusat on March 5, 2015. Dr. K. Poullose Jacob, Pro-Vice Chancellor, Cusat presided over the function. Dr. S. David Peter, Registrar, Dr. R. Mohan, IRS, Dr. Nirmala Padmanabhan, Head, Dept. of Economics, St. Teresa's, Dr. P. Arunachalam, Head, Dept. of Applied Economics, Sri. R. Roshan, Mathrubhumi and Dr. Sabu Thomas, Coordinator, KMCBS spoke. ■

Workshop on “Physics-Scope and Awareness”

The 5-day Workshop on “Physics-Scope and Awareness” for 10th standard students organized by the Dept. of Physics, Cusat in collaboration with SPIE Cusat Students Chapter and IUCAA Resource Centre commenced on 6 April. The programme was inaugurated by Dr. K. Poulose Jacob, Pro-Vice-Chancellor. Dr. S. David Peter, Registrar, Dr. Godfrey Louis, Dean, Faculty of Science, Dr. B. Pradeep, Head, Dept. of Physics, Dr. M. Junaid Bushiri, Co-ordinator and Dr. S. Jayalakshmi, Faculty participated in the function.



Dr. Poulose Jacob, Pro-Vice-Chancellor is inaugurating the Physics Scope and Awareness programme for the school children organized by the Department of Physics. Dr. S. Jayalakshmi, Dr. Godfrey Louis, Dr. B. Pradeep, Dr. S. David Peter and Dr. M. Junaid Bushiri are on the dais.

(from page 5) Surplus Budget

School of Marine Engineering are in a very serious financial state. Steps will be taken to strengthen efforts to bring the status of these institutions to that of Cusat's mainstream departments and avail the grant-in-aid from the state government. The separation of private engineering colleges following the formation of Technological University will cause a revenue loss of Rs. 4 Cr. in the first

year itself. By March 2015, School of Engineering will have used up all its funds. CUCEK will also be facing the same problem. The Budget clarifies that an amount of Rs. 80.43 Cr. has been sanctioned as Non-Plan Grant in the state's budget, an increase of 25%. This enhancement, along with the internal revenue generation, has helped in solidifying the University's financial position.

Cusat Vice Chancellor

Dr. J. Letha presided over the Syndicate's Budget Meeting. Members of the Syndicate, Sri. Joseph Vazhakkam, MLA, Sri. Sunny P. Jose, Dr. A. Mujeeb, Dr. K. A. Zakkariya, Dr. K. Sajan, Prof. D. K. John, Dr. N. Mohanan, Dr. V. S. Sebastian, Sri. M., Sherief, (Addl. Sec., Higher Education), Sri. James Joseph, (Jt. Sec., Finance Dept.), Dr. S. David Peter, Registrar and Sri. Sebastian Ouseph, Finance Officer participated. ■



Dr. J. Letha is releasing a book titled "Haritha Bhasha Vaigyanik Vimarsh" authored by Dr. K. Vanaja by handing over a copy to Dr. Anamika, noted Hindi writer



Cusat Vice Chancellor Dr. J. Letha is releasing a book "Aramathe Penkutty" translated by Prof. N. Mohanan by handing over a copy to Prof. Shambunath, noted Hindi writer



Dr. V. S. Mani, Director, School of Law & Governance, Jaipur National Law University interacting with the audience during the Public Law Lecture organized by the School of Legal Studies. On the dais are Dr. N. S. Soman, Director, SLS, Dr. Poulouse Jacob, Pro-Vice-Chancellor, Justice V. Chithambaresh, High Court of Kerala & Dr. K. N. Chandrasekharan Pillai, former Director, National Judicial Academy, Bopal.

Public Law Lecture at School of Legal Studies

“The entire debate between monism and dualism in international law has become rather academic, bereft of much practical significance” said Dr. V.S. Mani, Director School of Law and Governance, Jaipur National University, Jaipur, while delivering Public Law Lectures at the School of Legal Studies Cusat on 17 and 18 of March 2015 on the theme “Impact of International Human Rights Regime on National Legal Systems”.

The lecture series was inaugurated by Justice Chidambaresh, Judge, High Court of Kerala at a meeting presided over by Dr. Poulouse Jacob, Pro-Vice Chancellor of Cusat. Dr. K.N. Chandrasekharan Pillai, former Director and Dr. V.S. Sebastian, Dean Faculty of Law spoke on the occasion.

The lecture started with *the normative regime of International Human Rights Law* where the speaker annotated the four strands in the evolution of international concern

for human rights before the establishment of the UN charter. The four strands are the prohibition and abolition of slave trade, the formation of the first Red Cross Convention which aimed at the mitigation of suffering of the war on the individuals, the formation of the League of Nations, and the formation of ILO.

The discussion also examined the important international Human Rights conventions like the International Bill of Human Rights, International Convention on the elimination of All Forms of Racial Discrimination, International Bill of Rights for Women, Convention on the Rights of the Child, Convention against Torture, Migrant Workers Convention, and International Crime prevention and criminal justice and their impact on the national legal systems. While discussing this impact, the lecture first focused on the usual theories of incorporation of International Law into the

domestic law like monism and dualism, with special reference to India.

The lecture concluded that “the Indian judiciary has been a trail-blazer, and shown the way for absorption of IHRL norms without any visible legislative enactments”.

National Seminar on LNG for Ships - Today & Tomorrow

A National Seminar on “LNG for Ships – Today & Tomorrow” will be organized by K.M. School of Marine Engineering, Cusat on 28th July, 2015.

Cusat faculty gets Australian recognition



Dr. K. S. Beena, Professor of Civil Engineering at School of Engineering, Cusat has been selected for the Endeavour Scholarship 2015 by the Australian Govt. She will be doing research at the Research Centre for Geomechanics and Railway Engineering (GRE) at the University of Wollongong for six months with all expenses being met by the Australian Govt.

This year a total of 60 Indian researchers have been selected under the Endeavour Scholarships and Fellowships programme to use Australia's research infrastructure, undertake professional development and collaborate with leading academics.



Sri. Dinesh Thampi, Vice President, TCS and Dr. G. Madhu, Principal, SOE are exchanging the MOU for academic collaboration in teacher-student training, Internship, Project work, etc. Smt. Reeja George, Dr. B. Kannan and Premkumar C. V. are also seen.

Cusat & TCS to Collaborate

The School of Engineering (SOE), Cusat has entered into an agreement with Tata Consultancy Services (TCS) for collaboration in teacher-student training, Internship, Project work, research, etc. Sri.

Dinesh Thampi, Vice President, TCS and Dr. G. Madhu, Principal, SOE signed the agreement at a function organized on 22 April. Awards for the best B.Tech student and best project were handed over

during the function. Sri. Ayyappa Tejus, final year student, Safety and Fire Engineering won the cash prize, medal and citation for the best student. A project named "Suraksha Bandhan for Sthree Suraksha" by Nithya V.R., Parvathy P. Soman, Nithu C. Paul and Dinu Jacob, final year IT students, won the best project award. The awards were handed over by Sri. Dinesh Thampi. Smt. Reeja George, Academic Relationship Manager, TCS, Sri. Premkumar C.V., Placement Officer, SOE and Dr. B. Kannan, Head, Dept. of Computer Applications offered felicitations. School of Engineering has been included in TCS's list of the Top 100 Engineering Institutions, it was announced during the function. ■

Workshop on International Trade in Fish Products held at Cusat



Dr. K. N. Raghavan, Customs Commissioner is inaugurating a National Workshop on International Trade in Fish products organized by School of Industrial Fisheries. Dr. K. T. Thomson, Director, Dr. Saleena Mathew, P. Mohanasundaram, Director, MPEDA, Dr. A. Ramachandran, Dr. Mini Sekharan are also seen.

A workshop on International Trade in Fish Products has concluded at the Marine Science campus of Cusat. The workshop was organized by the School of Industrial Fisheries, Cusat in association with UGC and Industrial Fisheries Association, Cusat. The function was inaugurated by Dr. K. N.

Raghavan, Cochin Customs Commissioner at School of Marine Sciences auditorium on 4 March 2015. Prof. Dr. K. T. Thomson, Director, School of Industrial Fisheries presided over the function. The workshop started with the welcome speech by Prof. A. Ramachandran, former Regi-

strar, Cusat and General Convener of the programme. Sri. P. Mohanasundaram, Director, Marine Products Export Development Authority (MPEDA) delivered the keynote address. The inaugural session concluded with vote of thanks by Dr. Mini Sekharan, Assistant Professor and Co-Convener of the programme. ■

International Conference on Maths at Cusat

The Dept. of Mathematics, Cusat is organizing an International Conference on Semigroups, Algebras and Applications (ICSAA 2015) during 17-19 September 2015. Eminent Indian mathematicians as well as those from USA, Italy, Hungary, Russia and Israel will deliver talks on various topics, said Dr. P.G. Romeo, Co-ordinator. ■



Dr. M. Sudhakar, Director, Centre for Marine Living Resources and Ecology (CMLRE) Govt. of India, is inaugurating the Marine Ecosystem Health organized by Dept. of Marine Biology, Microbiology and Biochemistry. Seen are Head of the Dept. Marine Biology, Microbiology and Biochemistry Dr. A. A. Mohammed Hatha, Dr. K. Mohan Kumar, Dr. P. K. Abdul Azeez, former Vice Chancellor, Dr. N. Chandramohana Kumar, Dr. K. Poulouse Jacob, Dr. I. S. Bright Singh and Dr. Rosamma Philip.

National Seminar on Marine Ecosystem Health held at Dept. of Marine Biology

Ministry of Earth Sciences (MoES), Govt. of India will be soon commissioning a state-of-the-art research vessel to meet the needs of scientific community working in this field according to Dr. M. Sudhakar, Director, Centre for Marine Living Resources and Ecology (CMLRE) Govt. of India. He was inaugurating the seminar on Marine Ecosystem Health during 12-13 March 2015 organized by Dept. of Marine Biology, Microbiology and Biochemistry, Cusat. He spoke on the need to step up marine science research in India and the requirement of logistic facilities required for this kind of research. Dr. Poulouse Jacob, Pro-Vice Chancellor of Cusat presided over the function.

Several luminaries in the field of marine sciences such as Dr. V.N. Sanjeevan, former Director of CMLRE; Dr. V. Kripa, Principal Scientist at

Central Marine Fisheries Research Institute (CMFRI); Prof. Ajmal Khan from Centre for Advanced Studies (CAS) in Marine Biology, Annamalai University, Dr. E.V. Radhakrishnan, Emeritus Scientist at CMFRI, Prof. N.R. Menon and Dr. S. Bijoy Nandan spoke on various issues related to marine ecosystem health.

The abstract book of MEH 2015 was released by Dr. M. Sudhakar, Director of CMLRE while Prof. P.K. Abdul Azis, former Vice Chancellor of Cusat released the proceedings of the National Seminar on Climate Change and Marine Ecosystems (CCME 2014) organized by the Dept. during March 2014.

Ecosystems world over are facing the brunt of climate change impacts and marine ecosystems in particular are facing serious threats. Global warming, increasing CO₂ lev-

els and resultant ocean acidification are seriously impacting the marine communities. In this backdrop it is felt that an opportune time has come to take stock of the climate change impacts on "Marine Ecosystem Health" and hence the genesis of the seminar. ■

MEC wins Cusat arts fete

Model Engineering College (MEC), Trikkakkara, lifted the championship at "Sargam 15", the Cusat arts festival, which concluded at Cusat campus, Thrikkakara, on 17 March 2015. MEC, with 289 points, was way ahead of the runner-up, Cusat main campus, when the organisers released the point tally by on 17 March. School of Engineering, Thrikkakara, was at the third place with 158 points. Arun S. of Cusat main campus was declared the Best Actor while NeethuV. Narayanan of MEC won the Best Actress title.

Earlier Dr. K. Poulouse Jacob, Pro Vice-Chancellor, Cusat inaugurated the arts festival, "Sargam" at a colourful function in the campus on 12 March 2015. Aswin V. Nair, Chairman, Students Union presided over. A Cultural pageantry was also organized to commemorate the festival.



Dr. Poulouse Jacob, Pro-Vice-Chancellor is inaugurating "Sargam 2015" Youth Festival organized by Cusat Union.

Ph. D Awardees

Smitha K.K. "Finite element analysis of laminated composite subsea shells," Dr. C.G. Nanda Kumar

Rosemary Jose "Efficacy of marine bacterial probiotics on penacid shrimp postlarvae for enhanced growth survival and protection from vibrio harveyi" Dr. I.S. Bright Singh

Vinaya Chandran N. "Hydrogeology and hydrochemistry of the aquifer systems of kuttanadu area, Kerala : Their role in understanding the evocation of groundwaters" Prof. A.C. Narayana

Akhilesh K.V. "Fishery and biology of deep - sea chondrichthys off the south west coast of India" Dr. N.G.K. Pillai

Ginson Joseph "Optimization of high pressure processing parameters for indian white prawn (*Penaeus indicus*) and its shelf life evaluation during chilled storage" Dr. J. Bindu

Deepthi Augustine "Actinomycete isolates from arabian sea and bay of bengal biochemical, molecular and functional characterization" Dr. Rosamma Philip

Geetha P. "Tailoring magnetic properties of co-fe thin films by topographical modifications using thermal annealing and swift heavy ion irradiation and fabrication of magneto electric multilayers for device applications" Dr. M.R. Anantharaman

Smitha S. "Characterization of bacteriocins from bacillus licheniformis strain bhth8 and bacillus subtilis strain btfk101 isolated from marine sediment" Dr. Sarita G. Bhat

Tojo Jose "Capital flows and asset price effects in india's intermediate regime: The role of monetary transmission mechanism" Dr. P. Arunachalam Professor, Dept. of Applied Economics, Cusat

Sethunadh R. "Spatially adaptive image denoising techniques using direction lts" Dr. Tessamma Thomas Professor Dept. of electronics, Cusat, Kochi - 22

Sinu C. R. "Exploration of novel organic reactions catalyzed by

nucleophilic heterocyclic carbenes (nhcs)" Dr. K.V. Radhakrishnan Principal Scientist CSIR-NIIST, Trivandrum & Dr. G. Vijay nair Emeritus Scientist CSIR NIIST Industrial Estate P.O. Pappanamcode, Tvm

Dhanya T.J. "Design and study of self assembled functional organic and hybrid systems for biological applications" Dr. D. Ramaiah Director CSIR - NEIST Jorhat - 785006, Assam

Renjithkumar C.R. "Fish germplasm resources and exploited fisheries of the rivers of Kerala and bionomics of red conarese barb *hypsleobarbus thomasi* (day 1874)" Dr. B. Madhusoodana kurup Vice Chancellor KUFOS, Panangad, Kochi-682 506

Meril George "Studies on landfill leachate transportation and its impact on soil characteristics" Prof (Dr). K.S. Beena Prof. Div. of Civil engg., School of Engg. Cusat, Kochi - 22

Bibitha Joseph "Studies on transitionmetal chelates of some tridentate aroylhydra-zones" Prof. (Dr.) M.R. Prathapa chandrakurup Dept. of Applied Chemistry, Cusat, Kochi - 22

Anju Antony Moonjely "Molecular genetic profiling of functional genes of pearl oyster *pinctada sucata*" Dr. P.C. Thomas Principal Scientist CMFRI, Kochi-18

Tiju I. Varghese "Sedimentology and geochemistry of core sediments from the ashtamudi estuary and the adjoining coastal plain, central Kerala, India." Dr. T.N. Prakash Scientist F, Marine Sciences Division, NCESS, Tvm - 11

Akhil P.S. "an appraisal of core sediment archives on organo chlorine insecticides in a tropical estuary India." Dr. Sujatha C.H. Asso. Professor Dept. of Chemical Oceanography, Cusat, Kochi - 16

Manjumol K.A. "Sol-gel photocatalytic metal oxide

precursors and coatings on porous and non porous substrates for multifunctional applications" Dr. K.G.K. Warriar, Emeritus Scientist, functional materials, mstd, CSIR - NIIST, Industrial Estate P.O. Pappanamcode, Tvm -19

Liya Jayalal "Sustainability and consumer preference of wild caught ornamental fishes from Kerala: Scope of certification" Dr. A Ramachandran Prof., School of Industrial Fisheries, Cusat, Kochi-16.

Sreedevi B.G. "A study on the performance of flexible pavements on mature soil subgrades" Prof. (Dr.) Benny Mathews Abraham, Dept. of Civil Engg., SOE, Cusat, Kochi-22

Sandhya K.P. "Synthesis, characterization and applications of hybrid nanocomposites of tio2 with conducting polymers" Dr. S. Sugunan, Emeritus professor Dept. of Applied Chemistry, Cusat, Kochi - 22.

Sanjeev Naithani "Inversion technique to estimate geoacoustic parameters of the seafloor sediments based on matched field processing and beamforming" Dr. V.S.N. Tatavarti Rao, Scientist G., NPOL, Kochi - 21.

Helvin Vincent "Characterization and applications of two protease enzymes obtained by culture dependent and independent approaches from mangrove sediments" Prof. (Dr.) Sarita G. Bhat, Associate professor, Dept. of Biotechnology, Cusat, Kochi - 22.

Jayakrishnan P.R. "Characteristics of atmospheric boundary layer during occurrence of different weather systems" Dr. C.A. Babu Professor, Dept. of Atmospheric Sciences, Cusat.

Sheeja George. E. "Micropropagation of selected tropical ornamental aquatic plants" Dr. Aneykutty Joseph Professor, Dept. of Marine Biology, Micro Biology and Biochemistry, Cusat, Kochi -16

Tharanath R. "Studies on some aspects of black hole thermodynamics" Dr. V.C. Kuriakose Emeritus Professor Dept. of physics, Cusat. ■

Campus Notes

Nominated to Coastal Zone Management Authority

The Ministry of Environment, Govt. of India has nominated Dr. A. Ramachandran as a member of the Kerala Coastal Zone Management Authority. The appointment will be for one year. Dr. Ramachandran, who is a Professor at School of Industrial Fisheries, Cusat has also served as Registrar of the University. ■



Dr. A. Ramachandran

Chevening Fellowship

U. Mini, Systems Manager, Cusat received the Chevening TCS Cyber Security fellowship and completed twelve week training (23 February - 15 May 2015) on Cyber security and Information Assurance at Defence Academy, Cranfield University, UK. Chevening Scholarships are the UK government's global scholarship programme, funded by the Foreign and Commonwealth Office (FCO) and partner organisations. The objective of this programme is to enhance participant's ability



U. Mini

in understanding technical aspects of cyber security and contribute to public policy by providing an understanding of the implications of alternative policy. ■

Nominated by KSHEC

The Kerala State Higher Education Council has nominated Dr. M. Meera Bai as a member of the Committee for Gender Justice in campuses. Dr. Meera Bai is also the Director of Centre for Women's Studies, Cusat. ■



Dr. M. Meera Bhai

Bags Best Paper Award

Ms. Smitha George, Research Scholar, Dept. of Applied Chemistry, Cusat has won the best paper award in Chemical Sciences in the 27th Kerala Science Congress held at Alappuzha. The award constitutes a cash prize of Rs. 10000/- and contingency grant of Rs. 1,00,000/- for continuing the research. She is doing research under the supervision of Dr. K. Sreekumar, Professor, Dept. of Applied Chemistry, Cusat. ■



Smitha George

Outreach Programme at Cusat Biotechnology Department

The Nature Club at Dept. of Biotechnology, CUSAT in association with Nagarjuna Ayurvedic Centre, Kalady organized an outreach programme for establishment of an ayurvedic herbal garden in the dept.

The programme was inaugurated by Dr. S. David Peter, Registrar, Cusat. Invited lectures by Dr. Sajith Varma Marketing Head, Nagarjuna Ayurvedic Centre, Kalady and Dr. Baby Joseph, Manager, Nagarjuna,



Dr. David Peter Registrar, Cusat inaugurating the herbal garden at the premises of the Department of Biotechnology, Cusat.

Thodupuzha gave talks on the topics "the Remedy for Life style Disorders" and "Medical Plants for Health Environmental conservation". The programme was coordinated by Dr. Sreekanth. ■

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Glimpses from Prathibha Sangamam



Address by Hon'ble Chancellor



An attentive audience



Felicitating Dr. K.G. Nair



Felicitating Dr. K. Mohan Kumar



Presentation of memento to the Chancellor by the Vice Chancellor



Pro-Vice Chancellor greets the Chancellor on his arrival



Address by the Vice Chancellor



A view of the audience