

Gallery



The massive throng of farmers



The emerging leaders of KSRCT-BT



Students who got transformed into effective Honey-Bee managers



Mr.M.Rajendra Kumar enouncing his cognition to the gathering



Ardent participants of the workshop



KSRCT IEEE-EMBS Student Branch Chapter Newsletter
(K. S. Rangasamy College of Technology
Institute of Electrical & Electronics Engineers
Engineering in Medicine and Biology Society)



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Editors' Desk:

In regards with the measure of progress in the Department of Biotechnology, it gives us immense pleasure to release our Newsletter, Volume 8, Issue 2. The main motto of our IEEE-EMBS student branch chapter is to qualify students to extraordinary clouds of research and implement them in their research works. And there was great progressive outputs out of the little initiatives which were been organized by our chapter in association with various clubs with great zeal, during the past six months.

Our newsletter is released biannually as a compilation of all the events that our chapter organizes by joining hands with our mother patron -Department of Biotechnology, KSRCT. We owe an awestruck gratitude to Dr.Ponmurugan, Chapter Advisor and Ms.S.Poornima, Chapter Coordinator of KSRCT IEEE-EMBS Student Branch Chapter for their fathomless encouragements. Our acquisitive wish is to make our newsletter come true in a grand success.

-Editor In Chief

Stress Management for School Children towards Exam Preparation and Presentation

In this mechanical world, even a kid is under stress, students as well. In order to overcome the stress, IEEE-EMBS Student Branch Chapter in association with Public Awareness Club (PAC) and Press and Media Club (PMC) organized a Seminar on "Stress Management for School Children towards Exam Preparation and Presentation" on 29th Jan, 2016. The session was conducted at Rajammal Rangasamy Higher Secondary School, Tiruchengode. The forum was presided over by Dr.T.Ramesh, Professor, Department of Management Studies, K.S. Rangasamy College of Technology. A total sum of 65 school students, members of IEEE-EMBS, Public Awareness Club (PAC) and Press and Media Club (PMC) put in a visit to this forum. Conclave of IX standard students was edified with some techniques with which they can face their examinations confidently. Over and above that, parameters for a good presentation in their exams were discussed. Students actively involved in the forum and gained surplus information for exam preparation and presentation.



Dr. T. Ramesh delivering his speech to relieve the stress of the student through

Executive Committee Meeting

The executive committee meeting was conducted on 2nd February, 2016. The EMBS members attended the meeting and discussed about the future plans and activities to be conducted in this year. The activities were finalized and approved by the branch chapter faculty advisor.

Awareness Programme on "Daily Hygiene Practices and Hazardous chemicals we face in day to day life"

A syndicate awareness programme on "Daily Hygiene Practices and Hazardous chemicals we face in day to day life" was coordinated by Our chapter in association with Press and Media Club (PMC) and Public Awareness Club (PAC). Members of both the clubs actively participated in this programme. The main objective of this campaign is to foster the importance of hygiene practices, maintenance of sanitary conditions in and around the individuals and high-risk chemicals which became a part of our routine life. This programme

Science Academies lecture workshop

Our department have intended to arrange a Science Academies lecture workshop on "Plant tissue culture techniques in Biotechnology Industries" during 03rd to 05th October, 2016 at Department of Biotechnology, sponsored by Indian Academy of Sciences. This workshop includes valuable lectures invited from reputed institutions in India. This lecture workshop is planned for 3 days.

Membership Achievement

Mr. V. Vishnu Priyan,
IV-B.Tech (Biotechnology)

Summer Student Visiting Internship Programme (SSVIP) - 2016

I was offered a Summer Student Inviting Internship Programme at International Research Center (IRC) at Kalasalingam University, Krishnankovil for a period of one month. Applications for SSVIP programme will be issued during the month of March. The applications must be filled and submitted through e-mail to the coordinator. Merit based selection is followed for screening of students. They provide free accommodation, food and stipend of Rs.5, 000/-. When I entered there, I felt that I was in the international laboratory. The labs in the IRC were very well sophisticated with all equipments. I did my project in Nano-medicine. I had learnt about Scanning Electron Microscopy (SEM), Fourier Transform

Infrared Microscopy (FTIR), X-Ray Diffraction (XRD), Energy Dispersive X-Ray Spectroscopy (EDX). I was offered with an opportunity to work under Dr.K. Selvaraj, PDF (Germany) during my internship. I got an opportunity to mingle with other state students and got an exposure to learn various Indian cultures. Apart from research, I enjoyed a lot by the climate and the services provided.

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ALWAYS BE YOURSELF, EXPRESS YOURSELF, HAVE FAITH IN YOURSELF, DO NOT GO OUT AND LOOK FOR A SUCCESSFUL PERSONALITY AND DUPLICATE IT.

- BRUCE LEE

CELEBRATE YOUR SUCCESS AND STAND STRONG WHEN ADVERSITY HITS, FOR WHEN THE STORM CLOUDS COME IN, THE EAGLES SOAR WHILE THE SMALL BIRDS TAKE COVER

- UNKNOWN

Dr. B. Santhanaraj, Chair, EMBS, IEEE MAS was the chief guest. Around 150 students participated and gained knowledge from the superior people. Student representatives from KSRCT, VCET proposed their future events of their student branch chapters. Resource persons from VCET and K. S.Rangasamy Institute for Engineering and Technology enriched the crowd with provoking ideas, after which crunchy lunch was provided to all the students and dignitaries. A panel discussion for hashing out the ideas for the promotion of the branch chapter was conducted where the students suggested their views.



Research persons of EMB Society

Forth Coming Events

Conference cum Scientific Meet on Industry Institute Interaction (CSM III) in Biotechnology

We are proud to organize a mega event entitled, "Conference cum Scientific Meet on Industry Institute Interaction in Biotechnology" during 03rd and 04th October, 2016, joining hands with more than 100 industries. Dr.P. Ponmurugan, The Head of the Department acts as convener for this

event. Industrial issues and its possible solutions, employability skills required for the students, placement opportunities, and many other topics are included for discussion. A triangle meet is also planned among industrialists, academicians and students. The main theme of the programme is to discuss the problems prevailing in the industries and their possible solutions, the areas in which students has to concentrate more for their employment and the role of academicians as a part of encouraging the students towards the learning of new techniques. The sessions includes Indian Biotech Industries: Global Scenario, Triangle meeting between Industries, Academics and students, Tissue culture techniques in biotech industries and Technology transfer, Filing patents and Panel discussion. Eminent academicians from reputed universities across the country and renowned industry personnel from around hundred Indian biotech industries will be participating in the Industry Institute Interaction to share their views and experience.

REMEMBER TODAY, FOR IT IS THE BEGINNING OF ALWAYS. TODAY MARKS THE START OF A BRAVE NEW FUTURE FILLED WITH ALL YOU DREAMS CAN HOLD. THINK TRULY TO THE FUTURE AND MAKE THOSE DREAMS COME TRUE.

-UNKNOWN

was conducted on 24th February, 2016. The rural people of Devanankurichi which is located near Tiruchengode got benefitted through this campaign. The people interacted with the student and faculty organizers to resolve their hygiene issues and they were taught with alternative methods to keep their home and environment clean and tide.

A Five days Workshop on Honey Bee Cultivation and Maintenance Practice

IEEE-EMBS Student Branch Chapter of Department of Biotechnology, K.S.Rangasamy College of Technology, in association with Honey Bee Development and Extension Center, Khadhi and Village Industries Commission, Tamil Nadu organized a Four Days Workshop on "Honey Bee Cultivation and Maintenance Practice" during 24th to 27th February, 2016. The programme was open to students and public. On the first day, the participants were enriched with knowledge on types of bees, bee family and beneficial products from the bees. The basics about the construction of frames, handling of bees have demonstrated by Mr.Jaya Raja Kumara Das. The second day, business views on honey production was given through video lectures. The entrepreneurs from various regions shared their real time experience with the bees. On the third day of the programme, the equipment used for honey extraction was demonstrated.



Students who got transformed into effective Honey-Bee managers

During the last day, the role of bees in agriculture and horticulture was discussed. The workshop encourages the participants to become entrepreneurs.

Debate on "Technology implementation Vs. Growing unemployment"

In view of enhancing the critical thinking, creativity, team work of students, a debate programme on "Technology implementation Vs Growing unemployment" was conducted by IEEE-EMBS student Branch Chapter in association with Centre for Academics, Research and Employability (CARE) Club on 1st March, 2016 at Biotechnology Seminar hall. Nearly 20 candidates including EMBS members and CARE club members were participated. For the preliminary screening, spot topics were given to the candidates based on the social wellness, our own dream, comic in our surrounding world, leadership of our country, learning system and situation handling. From the 20 candidates 12 members were selected for the debate on the topic 'Technology

Implementation Vs Growing Unemployment'. The best 3 orator were selected and awarded. This programme enhanced the communication skills of students and shape them as an effective communicators and critical thinkers.



Knowledge wrestles among the students

Membership Campaign Phase-I

As a part of promoting the IEEE-EMBS membership and enhancing the benefits of students through IEEE, a Membership Campaign was arranged by our chapter. Phase-I of this campaign was carried out for First year students of B.Tech Biotechnology, K.S. Rangasamy College of Technology. Student members of IEEE-EMBS Student Branch Chapter organized this Membership Campaign Phase-I during first week of March, 2016. During the membership campaign, the student members fleshed out the membership benefits, activities conducted by the branch chapter, Newsletter released by the chapter, project schemes and future plans. So far, twenty students from first year B.Tech. Biotechnology

registered for IEEE-EMBS membership. Membership benefits were embellished by Mr. V. Vishnu Priyan of IV- B.Tech Biotechnology and Past activities and future plans of our branch chapter was elaborated by Mr. Hudson Samuel of III-B.Tech Biotechnology.



Showcasing of KSRCT IEEE-EMBS SBC to the assemblage

Student's Technical Symposium on "Current Trends in Biotechnology and Biomedical Engineering"

Our Student Branch Chapter organized a Student's Technical Symposium on "Current Trends in Biotechnology and Biomedical Engineering" on 29th March, 2016. A total of 29 papers were presented by the students. The rules and regulations of the symposium were instructed by Dr.P.Ponmurugan, Professor & Head, Department of Biotechnology, K.S.Rangasamy College of Technology. The panel of faculty members evaluated the presentations based on the content, presentation time, social relevance of the

TO SUCCEED YOU NEED TO FIND SOMETHING TO HOLD ON TO, SOMETHING TO MOTIVATE YOU, SOMETHING TO INSPIRE YOU. - TONY DORSETT

Technical Connexions

Our Student Branch Chapter organized a fun cum Technical connexions event on 22nd August, 2016, for the members of this branch chapter. About 9 teams participated. Totally there were two rounds-the former round had 5 questions per team and the questions were general. From the performance of the EMBS members along with our students participants in the preliminary round, 4 teams were shortlisted for the final round. The final round was based on technical words in biotechnology. The winning team consisted of three participants-B. Naresh, V. Yogeshlal and R. C. Gowtham of II B.Tech. Biotechnology. All the participants enjoyed the event and also gained the knowledge to connect things and find the correct solution.



Students listening to the questionnaire

THERE ARE NO SECRETS TO SUCCESS. IT IS THE RESULT OF PREPARATION, HARD WORK, AND LEARNING FROM FAILURE.— COLIN POWELL.

Guest lecture on Biomaterials

Our Student Branch Chapter, in association with Neomutants Biotech Association organized a guest lecture on 07th September, 2016. Dr.A.Kumaravel, Professor & Head, Department of Mechanical Engineering, K.S.Rangasamy College of Technology, Tiruchengode delivered a talk on Biomaterials. He elaborated the role, types, advantages and applications of biomaterials. A total 45 attended the programme.



Our patron honoring the guest

New Members Meet

New member programme is an event organized IEEE-EMBS Madras Section in association with three EMBS student Branch Chapters including K.S.Rangasamy College of Technology, (KSRCT) Tiruchengode, Vellalar College of Engineering and Technology (VCET), Erode and PSNA College of Engineering and Technology, Dindigul. The event was organized on 10th September, 2016 at Club Melange, Erode. Dignitaries from all these colleges graced the occasion.

Meritorious Award function

Website

The pride of the department depends on the activity of students both in academics and in discipline. Likewise, the pride of a student depends on the activity of department in motivating students to achieve their goal. Our department stands as an inspiration for all other departments. Recently, by the contribution of our IEEE students, a new website has been created through IEEE entity web hosting. Our website provides direct links to IEEE-EMBS websites so that access of EMBS websites can be easier. Our website gives the complete profile of our department activities through IEEE, events organized by IEEE in and around this region. Complete details of our IEEE branch chapter, including details of our Patron, Branch Mentor, Staff Advisor, Office bearers and members of our student branch chapter have been provided. Our website is managed by our student friend, Mr. Hudson Samuel, of III year Biotechnology. The events that are conducted by EMBS members in association with CARE club, PAC & PMC club are really inevitable. The website is updated periodically. Our website can be accessed through <http://www.ewh.ieee.org/sb/madras/ksrctembs.html>.

THERE ARE NO FAILURES-JUST EXPERIENCES AND YOUR REACTIONS TO THEM—TOM KRAUSE

In association with Neomutants Association, Our Student Branch Chapter organized a Meritorious award function on 17.08.2016. Dr. Atanu Barik, Scientist-F, Radiology and Photochemistry division, Bombay Atomic Research Centre (BARC), New Delhi was the chief guest for the programme. He delivered a talk on Radiation Biology. He also added a few notes on the problems faced during the processing of sea water as the coolant source in nuclear reactors and the possible solutions for the problems mentioned are discussed. The best meritorious student award, class toppers, awards for fund generation through projects and conferences, awards for excellence in research and co-curricular and extracurricular activities, IEEE Student Project fund receivers have been given. The students and faculty who all are excel in the respective categories have been rewarded with certificates and memento. The programme encouraged the young researchers to become successful academicians and scientist in the field of Biotechnology.



Dr. Atanu Barik fabricating the verdicts of students

work, communication and work progress. The best five papers were awarded with cash prize and a certificate. The valedictory function was graced by the presence of Dr. Govindarajan, Director, Training Cell, K.S. Rangasamy College of Technology.



Successful future researchers receiving their honours

Health awareness Programme

With the aim of prompting a healthier community, IEEE-EMBS student Branch Chapter in coalition with Public Awareness Club (PAC) and Press and Media Club (PMC), organised a health awareness programme for staff members of Biotechnology, KSRCT on 30th March, 2016. Through this programme the faculty and students of our department was given an insight to a well being lifestyle.

**SUCCESS IS FINDING SATISFACTION IN GIVING A LITTLE MORE THAN YOU TAKE
-CHRISTOPHER REEVE**



Health conscious participants Office Bearers Election

The new office bearers of KSRCT IEEE-EMBS Student Branch Chapter for the academic year 2016-2017 were elected on 15th April, 2016. The meeting was graced by Dr. P. Ponmurugan, Branch Advisor and Ms. S. Poornima, Branch Chapter Coordinator. New Members from I year also took part in the meeting and became aware about the forum. Project opportunities that are funded by IEEE were also discussed. During the election, young and enthusiastic office bearers were elected and set into activities



The emerging leaders of KSRCT-BT

Celebration of World Yoga day

Yoga, an art of living, is a treasure left by our ancestors to us. Yoga is a consorting system of blooming for mind, body, spirit. To create the importance and awareness of yoga, Government of India and University Grants Commission insisted all academic Colleges and Universities to celebrate International Yoga Day. IEEE-EMBS Student Branch Chapter in collaboration with Public Awareness Club (PAC) of Department of Biotechnology, KSRCT, organized a programme for the celebration of International Yoga Day. The programme was taken over by Mr.Harikesavan, Mr.Kumaragurubaran and Mrs. Rajeswari from Heartfulness Institute team, Erode on 18th April, 2016. The sessions were planned with lectures on the importance of meditation and its practices, teaching of relaxation practices and meditation. It was conducted for a three consecutive days in which nearly 1200 students of our college actively participated and gained knowledge on spirituality.



Participants performing yoga to enhance their mental and physical health

Training on Proposal writing

We, a set of IEEE-EMBS members conducted a programme on “Training on Proposal Writing” for the benefit of II and III year students on 07, July, 2016. The session was assorted with effective proposal writing for applying grants and fellowships, variegated project scheme available in IEEE-EMBS society for which students can apply for. Ms. M. Uthira, Mr.K.Dheenadhayalan, Ms.N.S.Yoka Barrathi, Mr.V.Vishnu Priyan of IV B.Tech, Mr. Hudson Samuel of III B.Tech, took over the sessions. Every single information was discussed on Proposal framing & writing, Innovative Project, Engineering Projects in Community Service (EPICS), Student Project Funding (SPF), IEEE member benefits and along with IEEE website explorations. Right from the call for proposals to submission of reports, every keynote was considered for discussion. Students were furnished with ample amount of information on available project schemes and funding in IEEE. Students exchanged views on each subjects taken into account.

**THE PRICE OF SUCCECC IS
HARDWORK, DEDICATION TO THE JOB
AT HAND, AND THE DETERMINATION
THAT WHETHER WE WIN OR LOSE, WE
HAVE APPLIED THE BEST OF
OURSELVES TO THE TASK AT HAND**

- VINCELOMBARDI

more signatories must be from two different chapters. SIGHT encourages projects that are practical and useful which orient engineers towards entrepreneurship, social innovation and humanitarian activities that involve educational goals, networking goals and other preparatory projects with the theme of inspiration, encouragement & orientation. A seed grant of \$250 will be provided to the first 50 groups formed and those clusters selected will be considered for the further screenings. A Petition for SIGHT should include details of Parent organization unit, organizer, missions and proposed goals for the first year along with signatures of the Chair of the Parent Organization Unit. As a benefit, students gain opportunities to join hands with multiple disciplines and benefit society.

Engineering Projects In Community Service (EPICS)

EPICS is designed with the intention of application of students technical knowledge in solving community challenges in collaboration with local service organizations. Since 2009, 54 projects in 18 countries have been sanctioned, of which 30 has been completed successfully. Application form is made available in websites, can be downloaded, filled by the student groups and can be mailed. Once the application has been submitted, IEEE initiative team will review the project and the project acceptance or rejection will be notified within 30 days. Not only students but also local communities will get benefitted in aspects of career and

community improvements. The EPICS in IEEE program calls for proposals throughout the year. And the projects are selected on a rolling basis. Amounts are awarded in the range of \$5,000 to \$10,000. After the project has been selected, the project leader should submit a mid-term status report after the initial funding is validated. And once when the project is completed, a complete report of the milestones achieved and expenditure details within a month time. EPICS in IEEE encourage engineering students to associate with local non-profit organization, especially local high schools to solve local community issues.

IEEE Foundation Grants Program

On account of creating awareness and empathizing of technology and its impact on society, IEEE Foundation Grants Program has been initiated. A sum of US\$5,000 and US\$100,000 will be granted for the projects opted for. A set of four students can form a team. The time span of project is limited to 12 months. Students can start submitting their proposals with pre defined objectives from February to July. Acceptance of the project proposed will be intimated by December. The project leader should have the capacity of carrying out the project. Projects with innovation, clearly defined need, successfully replicable will be sorted out by a joint committee of the IEEE Foundation Board of Directors and the IEEE Life Members Committee.

showcases agricultural products including agricultural equipment and machinery, aquaculture, biofertilizers, floriculture, greenhouses, irrigation and Water technologies, livestock and dairy farming and poultry. The expo also provided the opportunity to interact with the most progressive farmers from the entire south India. We exhibited a stall in association with protection of plant varieties and farmers rights authority of India in the AgriIntex in order to create awareness on turmeric testing, protection of plant varieties, filing patents and awards offered to farmers by government of India. The exhibition also provided means for assessing export value of turmeric based on its Curcumin and oleoresin contents.

General Information

Student Project Funding

IEEE make available of funds for students with the view to carryout novel project ideas of students. A grant of Rs.15, 000/- will be provided at the maximum per project. In our department this opportunity was efficaciously utilized by four members, Mr.K.Dheenadhayalan, Ms. N.S. Yoka Barrathi, Ms.G.Gayathri, Mr.V.Vishnu Priyan of IV-B.Tech and was succeeded with first place in the Model Presentation held at IEEE Office, Madras Section, Chennai with the cash reward of Rs.15,000/- for the project entitled "Evaluation of lichens for anti-cancerous properties using experimental rats as animal model for

medical applications" Utmost, two projects per college can be funded by IEEE. Call for proposals commences during the month of October. The project proposals should be mailed to IEEE Madras section through IEEE student branch counsellor and the Principal of the institution. The lead-in proposals alone will be eligible for the preliminary as well as final selection of project for funding. The preliminary screening and final validation of projects will be during the months of November and April respectively. Two to Four students can form a cluster and carry out the project sanctioned, with a faculty as a guide within the time scale of six months. Before now funded projects will not be funded again. A complete report of the project work should be submitted along with the photographic evidences and results. Final validation of project requires a model, giving a clear cut design of project, which will be judged by the experts/committee during demo.

Special Interest Group on Humanitarian Technology (SIGHT)

In view of emphasising humanitarian activities, IEEE has initiated this SIGHT program through Humanitarian Activity Committee (HAC). The main goal of this program is to put forward the benefits of technology to the world. A set of six or more IEEE members who have zeal towards humanitarian activities can apply for this program. Among the group formed, three or



Young researchers listening to the proposal writing guidance

Programme on Placement Opportunities

A programme on "Placement Opportunities in Biotechnology and Biomedical Engineering Industries" was organized on 02nd July, 2016 in association with Placement cell of our department in the name of Industrial Interface. Dr. Michael Joseph, HR Manager, VWR Lab Products Ltd, Coimbatore delivered a talk on corporate essentials, industrial expectations, joint research programmes and status and scope of biotech and biomedical industries. Final year students, EMBS Members and non-members attended the programme.

NO MAN EVER ACHIEVED WORTH-WHILE SUCCESS WHO DID NOT, AT ONE TIME OR OTHER, FIND HIMSELF WITH AT LEAST ONE FOOT HANGING WELL OVER THE BRINK OF FAILURE.

-NAPOLEON HILL



Students getting training to transform into corporate people

Azolla - Cultivation and Applications

IEEE-EMBS Student Branch Chapter of Department of Biotechnology structured a training programme for the welfare of students. The main objective of coordinating this event was to initiate and enhance the entrepreneurship ideas among the individuals. This training programme was organized on 08th July, 2016. The sessions included various aspects of cultivating 'Azolla', a protein-rich floating fern. A teach in approach was followed for azolla cultivation which in turn involves sequence of steps. Demonstration on azolla cultivation was given by Mr.M.Rajendra Kumar, R.K.Algae Project Center, Ramanathapuram. He elaborated the applications of Azolla as animal feed, biofertilizer, food stuff for human consumption etc., IEEE-EMBS Members and Non-members, faculty members and Research Scholars attended the programme. Sessions were made so interactive and so students were greatly

benefitted with this training programme.



Mr. M. Rajendra Kumar articulating his knowledge to the gathering Inaugural function

Our department holds a lofty value by devising various clubs. The clubs include Neomutants Association, Research Forum, Centre for Academic, Research and Employment (CARE), Public Awareness Club (PAC), Press and Media Club (PMC). The start-up of these forums was held on 19, July, 2016. Each guilds functions effectively with a pre determined goals towards implementing student benefits, improving employability skills, social awareness among public. During the inaugural function, office bearers of all the clubs were introduced to gathering. Sole responsibilities of their positions were described. Mr. V.V.Krishnan, Quality Assurance, SKM Egg Products Ltd., Erode was our invitee. He gave us a panoptic idea on different processes, technical and non-technical issues on egg products manufacturing through his elaborated speech. With heart full of pleasure, we thank Dr.P.Ponmurugan for gifting us an

opportunity to rise up our skills and to serve public.



The chieftain of Biotech department addressing the assemblage Two days workshop on "Modern Tools and Techniques in Biotechnology"

Department of Biotechnology, K.S. Rangasamy College of Technology organized a two days workshop on "Modern Tools and Techniques in Biotechnology" on 25th & 26th July, 2016. About 40 students including delegates from other institutes were benefitted through the knowledgeable lectures of our department staff members. Hands on training during the workshop made them understand the clear cut concepts. Both theoretical and practical concepts such as Discussion on career opportunities in industry and research centre, Project work design & Preparation of Manuscript, Fermentor operations, Tissue sample analysis, Bar coding & Molecular Docking were taken into account. Highlighting sessions were HPLC -Analysis & Applications, Animal handling & ethical clearance. The students

On 20th June, 2016, the first day of the lecture programme, Dr.K.Ramachandra Kini, Associate Professor, Department of Studies in Biotechnology, University of Mysore inaugurated the Lecture Series Programme and he delivered a valuable lecture on *Progress, Challenges and Development of Peptide vaccines in Experimental Animals*. The lecture covers the current status and advanced recombinant techniques used in the production of vaccines using animal host. A total of 643 students from various institutions participated in the lecture programme.

On 21st June, 2016, the second day of the lecture series programme, Dr.B.S.Lakshmi, Professor, Department of Food Technology, Anna University, Chennai, delivered a talk on *Nanotechnology and its applications in veterinary and animal sciences*. It mainly focuses the applications of nanoparticles in targeted drug delivery in animal models.

Dr.P.Ponmurugan, Professor & Head, Department of Biotechnology, K.S.Rangasamy College of Technology, Tiruchengode delivered a orated on *Future perspectives of Animal Biotechnology* on 22nd June, 2016. The lecture programme dealt with the current trends and advances of animal biotechnology. Around 631 students participated the lecture programme from various institutions.

Students from various institutions attended the forum. The lecture documents were given to the participants in the form of printout and the same was distributed to various institutions from which the delegates attended the programme.



Dr.K.Ramachandra Kini fabricating the minds of students

Agri Intex-Stall cum Exhibition

AgriIntex is an international trade fair for exhibiting agricultural products. It is one of the south India's most key exhibitions in the field of agricultural technologies. The expo provides a forum to the farming community to meet and share the knowledge about advancements in the field of agriculture and for popularizing the farm implements. AgriIntex is a four day event which was held from 15th July to 18th July 2016 at CODISSIA Trade Fair Complex in Coimbatore, Tamil Nadu, India. This event

IF YOUR ACTIONS INSPIRE OTHERS TO DREAM MORE, LEARN MORE, DO MORE AND BECOME MORE, YOU ARE A LEADER.

- JOHN QUINCY ADAMS



School pupil acquiring awareness through valuable lectures of our students

Department Activities

Awareness Program on plant protection varieties and farmers rights

A massive event on “Awareness Program on plant protection varieties and farmers rights” was conducted in our department joining hands with Protection of Plant varieties and Farmers rights Authority of India and Ministry of agriculture & Farmers welfare on 28th March, 2016. The programme was arranged exclusively for farmers in order to create awareness on protecting the newer plant varieties, the rights of farmers and filing patent for new plant and seed varieties. More than 100 farmers took part in this mega event. Heaps of issues on farmer’s rights, consumer problems, marketing issues and many more. Catering services were provided to the delegates who attended the session. The invitees were Dr.R.R.Hanchinal, Chairperson, Dr.R.C.Agarwal, Registrar General and Dr.D.S.Rajganes, Legal Advisor of

Protection of Plant Varieties and Farmers Rights Authority of India, Ministry of Agriculture & Farmers Welfare, Government of India. They gave us loads of information on rights of farmers, new trends in agriculture, possible solutions for the existing marketing issues regarding agricultural products. A total of thirteen stalls have been exhibited their products including organic manure, cookies, soap, oil, honey, nattusakkarai, panchagavya, seeds etc., developed by farmers and associated agriculture based small scale units of nearby districts including Namakkal, Erode, Salem and Tirupur. The awareness programme enhanced the farmers in terms of patenting their plant varieties, and the rights of farmers.



The massive throng of farmers

Popular Lecture Series Programme in Biotechnology

We, Department of Biotechnology, organized the DBT, New Delhi Sponsored Popular Lecture Series Programme in Biotechnology during 20th June, 2016 to 22nd June, 2016.

provided with workshop kit, lunch, refreshment and certificate.



Ardent participants of the workshop

Technology Dissemination Contest for Students-2016

We, IEEE members formed different clusters for creating awareness among school students on Global Warming, various environmental issues and many other problems in society. Of the groups formed, Mr.K. Dheenadhayalan, Mr.V.VishnuPriyan of IV-Year B.Tech (Biotechnology) , Mr. Hudson Samuel, Mr. T.R.S. Karthikeyan of III-Year, B.Tech (Biotechnology) served as team leaders. Topics chosen were “Entrepreneurship Development”, “Biotechnology and Bioinformatics, its principle and applications”, “Applications of Biotechnology in Maintaining Environmental Sustainability”, “Ethics in Technology Usage” respectively. The forum was planned for two days, serving two schools per day. The sessions were planned for duration of 1-2 hours for students of VIII-X standard. Totally twelve schools were tak-

en into account which comprises of six rural and urban locations. Schools from rural areas include Devanankurichi Higher Secondary School, Devanankurichi, Municipal Middle School, Kootapalli, Ashram Matric. Higher Secondary School, Erode, Seventh Day Adventist, Erode, Rajendran Matric Higher Secondary School, Arachalur, Government Higher Secondary School, Odanilai . Schools selected from urban areas include Panchayat High School, Chennimalai, Shri Valli Matric. Higher Secondary School, Erode. Government Higher Secondary School, Erode, K.S.R Matric Higher Secondary School, Tiruchengode, Maha Deva Vidhyalaya Higher Secondary School, Tiruchengode, Selvam Higher Secondary School, Namakkal. PowerPoint Presentations and Videos were used as tools so as to enhance clear understanding on the topic chosen. Students from all the four schools were so interactive during the sessions. English and Tamil were used as communicating languages so that students can grasp the ideas clearly. Quiz and Group Discussion were carried out to assess the knowledge gained by the students during the forum. Feedback forms were issued to the students and also to the school authorities for the overall evaluation of our performance. Our students were given a positive feedback for carrying out these kind of activities.