SRM VEC - NAAC with A-Grade



on'ble Thiru Ravi Pachamoothoo, Chairman, SRM Group has Congratulated the Principal Dr.B.Chidambararajan, the Vice-Principal Dr. M. Murugan, HODs, Faculties, Staff, Students and all the Stake Holders on getting the Extension of Validity of the National Assessment and Accreditation Council (NAAC) Certification to SRM Valliammai Engineering College with A-Grade till December 31, 2024.

Department of CIVIL ENGINEERING

Pledge was taken on Indian Constitution Day- 26.11.2019 by Civil Engineering staffs and students.

The Department of Civil Engineering in association with the Institution of Engineers(I) and Indian Society for Technical Education organized a five day Faculty Development Programme (FDP) on 'CE 8403 - Applied Hydraulic Engineering' during 02.12.2019 to 06.12.2019. Totally 25 participants from different Engineering colleges participated in Faculty Development Programme. An Industrial visit to the 'Institute of Hydraulics and Hydrology, Poondi' was arranged for the members of the programme.



FDP on 'Applied Hydraulic Engineering'

Ms.K.Jeevitha, Final year Civil Engineering received 'Best student award' for the Academic year 2018-2019 from IE(I) Kancheepuram Local Chapter from IE(I) Chairman



Ms.K.Jeevitha, IV year Civil receiving 'Best student award' for the Academic year 2018-2019

Er.R.Ramdoss on 30.10.2019 held at Sri Sairam Institute of Technology, Chennai.

Dr.S.Gunaselvi attended a 5 day Faculty Development and Training Programme on 'Advanced Structural Analysis' in Sri Sivasubramaniya Nadar College of Engineering from 02.12.2019 to 06.12.19.

Ms.K.Tharini attended a 2 day Workshop on 'Intellectual Property Rights and Entrepreneurship' organized by Development and Innovation Institute at CEG Anna University, Chennai on 04.12.19 & 05.12.19

Mr.A.Sattainathan Sharma, Mr.G.R.Iyappan and Mr.G.Moganraj attended an FDP on 'Value Education' organized by Tamil Mandram on 05.12.2019 at SRM Valliammai Engineering College.

Mr.A.Sattainathan Sharma, Mr.S.S.Manu, Mr.S.SureshBabu, and Mr.G.Vaithiyanathan went on a one day Staff Industrial visit to Green Pearl Electronics, SRM InfoTech (p) Ltd on 12.12.2019.

Mr.B.Abinesh, Mr.G.Adhavraj, Mr.R.ArshadAhmed, Mr.G.Bharath, Mr.M.DhakshinKumar, Mr.S.K.Dinesh, Mr.M.Dinesh, Mr.M.Sridharan attended Workshop on 'Managerial Development Programme on Construction Management' in MSME- Development Institute, Chennai from 16.12.2019 to 20.12.2019.

The Department of Civil Engineering in association with the Institution of Engineers (I) VEC Student Chapter organized a Special Talk on 'Energy Conservation Day' on 19.12.2019. Final year students of Civil Department attended the special talk. The Guest speaker was Er. Eathiraj Natarajan, Assistant Executive Engineer, Tamil Nadu Electricity Board, Chennai.



Special Talk on 'Energy Conservation Day'

Mr.J.Arunraj Christadoss, Mr.S.S.Manu and Ms.K.Tharini attended a one day ICI Workshop on 'Structural Design of Building Systems'atIIT Madras in association with Indian Concrete Institute on 28.12.2019.

Inauguration



Inauguration of "The Institute of Engineers (India)" Kancheepuram Local Chapter was held on 06.11.2019 at SRM Valliammai Engineering College during the Academic Year 2019-20. Chief Guest: Dr.T.P.Ganesan, Director, SRM VEC & Pro-Vice Chancellor (P&D), SRMIST

Department of COMPUTER SCIENCE & ENGINEERING

Ms.C.Pabitha and Dr.B.Vanathi published a paper on 'Deep Learning Techniques to address issues in Data Quality and Data Variety' in the International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-8, Issue-4, November 2019.

A Motivational Talk was organized for the Second year and Third year CSE students between 17.12.19 and 19.12.19. The Resource Person was Dr.Arunprakash, Assistant Professor, Department of CSE, University College of Engineering, Anna University Trichy. The expert highlighted important features like attitude, career guidance, recent trends in computer fields and what the industries expect from the students.

A five day Faculty Development Programme on 'Core Computer Engineering' was organized from 11.11.2019 to 15.11.2019.



FDP on 'Core Computer Engineering'

A one day Staff Development Training Programme on 'Web Designing' was organized on 21.11.2019.



SDP on 'Web Designing'

Department of ELECTRONICS ENGINEERING

A Science Project Expo 'ELECTRA FEST 2k19' on 10th October 2019 for school students of classes 9, 10, 11 and 12 was organized. Participants from various schools took part in the event. A total strength of 81 students enthusiastically participated and presented their projects in various domains outlining the theme of Renewable energy sources, Energy efficient drives, Security systems, Automated control systems using sensors and other innovative ideas in Electrical field. The major objective of the programme was to provide a platform and explore the potentials of the students by incorporating engineering ideas.



Science Project Expo 'ELECTRA FEST 2k19' for school students of classes 9, 10, 11 & 12

As a part of Industrial visit, forty two students from Stella Maris College and two faculty members visited 30KW Solar Power Plant installed in our college.



Industrial Vist of Stella Maris College students to SRMVEC

Women Entrepreneurship Development Programme



One month "Women Entrepreneurship Development Programme (WEDP)", sponsored by NSTEDB, DST, Government of India, New Delhi, commenced on 1st November 2019 at SRM Valliammai Engineering College, Kattankulathur. Dr.T.P.Ganesan, Director, SRMVEC & Pro-VC (P&D) SRMIST, presided over the function and Dr.B.Chidamabararajan, Principal, and Dr.M.Murugan Vice Principal, felicitated the Chief Guest Mrs.Jayasri Krishnan, Managing Director, D' Organica Shoppee. Dr.B.Vanathi., Head/CSE welcomed the gathering and Dr.Radha Ganesh Kumar, HOD(i/c) of Department of Management Studies elaborated on the Development Programme. Women Entrepreneurship Development Programme is conducted for empowering women entrepreneurs and supporting them in starting and growing their businesses. The Chief Guest encouraged the participants and motivated them to explore the world which has lot of opportunities and challenges.

A six-day Faculty Development Programme was conducted on 'Transmission and Distribution' from 11th to 15th November 2019 and 22nd November 2019. Ms.M.Selva Rani, Assistant Professor, Dept of EEE, AMET University, Kanathur, Chennai was the Resource Person for the first day. Dr.Y.Mohamed Shuaib, Associate Professor & HOD, Dept of EEE, Crescent Institute of Science and Technology, Vandalur and Dr.B.Meenakshi, Professor, Dept of EEE, Sri Sairam Engineering College were the Resource Persons for the next two days. Ms.S.Angalaeswari, Assistant Professor, Dept of EEE, Vellore Institute of Technology and Mr.K.Karthikumar, Assistant Professor, Dept of EEE, Vel Tech Engineering College, Avadi handled the sessions on 14th and 15th November 2019. On 22nd November 2019, the faculty members went on



FDP on 'Transmission and Distribution'

an industrial visit to VMR Elmag Solution Transformer Manufacturers.



Motivational Talk to second year and third year students

A motivational talk was organized to encourage second year and third year students during the bridge course on 18th December 2019. The session was presented by the resource person Mr.C.Ashwin Kumar, System Analyst, TCS, Chennai who is one of the alumni of our college.

A one day Staff Development Programme was conducted on 'Basic skills of Computer' on 29th November 2019. Dr.S.Malathi, A.P (Sel.G), Dept of EEE handled the session.

Department of **ELECTRONICS & COMMUNICATION ENGINEERING**

Mrs. S. K. Susee, Research Scholar presented her Ph.D. Public Viva-voce on the 'Integrated Hybrid Algorithm for Enhancement of Sensor Performance in Wireless Sensor Network' on 22.11.2019 under the supervision of Dr.B.Chidambararajan, Prof & Principal.

Dr. B. Chidambararajan, Prof & Principal was elected as member of National Executive Committee of ISTE during the Academic year 2019-20.

All the faculty members administered the Indian Constitution Day pledge to commemorate the 70th Anniversary of Indian Constitution on 26.11.2019.



Paarivendhar student's Tamil association of SRM Valliammai Engineering College organized a one day Faculty Development Programme on Value Education for faculty members on 6-12-2019. The expert explained the difference between useful Education, useless Education, nonsense Education and the dangerous education using the epic Mahabharata.

He also conducted games to realize the contribution of each and every person to perform a specific kind of task. He explained about our old education system and how it has transformed into this stage. The expert mentioned leadership skills, difference between life ambitions and professional ambitions, duties and responsibilities and values of education.

The FDP was conducted under the guidance of our Principal Dr.B.Chidhambararajan. The FDP was inaugurated by Dr.B.Vanathi, HOD/CSE and Mr.K.Shanmugam, AP, CSE the Coordinator of Tamil mandram, delivered the welcome Address. The Resource Person was

Mr.S.Senthil Kumar, Director, and Centre for Cultural Education, Training and Research, Tamil Nadu.About 35Teaching staffs from our college participated in this event.

Mr.K.Shanmugam, AP, CSE was honoured with "DR.Radhakrishnan award" in Salem by Theepantham magazine for his service rendered for development of Tamil language in our college.

Mr. K.Shanmugam, AP, CSE delivered a special address at the workshop on Writing Science, Engineering and Technology in Tamil at Anna



university Regional campus Thirunelveli on 18.10.2019, organized by Centre for Development of Tamil in Engineering and Technology, Anna University chennai.

Supreme Arima Sangam, Erode, conducted a State level speech competition on 17.10.2019 and Mr. K.Sankar Babu, II year, ECE, won supreme speaker Award through his stentorian oration and won the second prize and received a cash prize of Rs.5,000/-.



The Valia Vasal Varuga book authored by the Principal and co authored by Mr.K.Shanmugam, AP,CSE was published in this book in the quarterly journal Ariviyal Poonga in the chapter Ariviyal Nool Arimugam.

Mr.K.Sankarbabu, Dept of ECE Second year participated in the Speech competition conducted by M.V. Hospital on 14.11.19 in world Diabetes day.

Mr.K.Sankarbabu, Dept of ECE Second year participated in the Speech competition conducted by Government Medical College, Chengalpattu on 23.10.19.

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Dr. Komala James, Prof & Head procured Elite Silver Certification on the 'Accreditation and Outcome Based Learning with a consolidated score of 75% conducted by NPTEL, funded by Ministry of HRD, Govt of India.

Mrs. R. Geetha, Research Scholar presented her Ph.D.confirmation open seminar on the 'Convolutional Neural Network based Image classification and Detection for Spine Tumor using MRI Images' on 06.12.2019 under the supervision of Dr. J. Mohan, Asso Prof.

Our Alumnus visited our dept and interacted with faculty members during Alumni Meet-Shimmer 2019 on 08.12.2019.

Ms. M. Amritha, Programmer secured the first place in the Chess Competition for Non-Teaching Staff in the Annual College Day sports events 2019-20.

Mrs. K. Parvathy, Programmer won the first place in the Running and Shotput events for Non-Teaching Staff in the Annual College Day sports events 2019-20.

Totally, 16 Faculty members and students completed the September & October 2019 NPTEL Courses and secured Elite & Gold Elite Medals.

Dr.S.Ramesh, Asso Prof, Received Best ISTE Chapter Chairman Award of Engineering Colleges - 2019 for organizing more number of programmes for the benefit of faculty members.

On behalf of ISTE, Dr.S.Ramesh, Asso Prof. received ISTE TN Section Awards which honors all the eminent members who have supported ISTE activities during 19th ISTE Students Convention 2019 from the Chief Guest Prof. Vidhya Shankar, VC, Karnataka State Open University at PSG Institute of Technology and Applied Research, Coimbatore.

On behalf of the Students Affairs Cell, Dr.N.Ushabhanu, Prof coordinated the programme on 'Insure, Secure and Save Tax' for the benefit of our faculty members on 20.12.2019.

Ms. M. Vanitha and Ms. R. Nisha 'M.E -Communication Systems' PG students, secured CGPA 9.16 & 2nd rank and 8.97 & 7th rank respectively in the Anna University Examinations during the Academic year 2017-19.

Ms. G. Nivedha and Ms. Pournami Kenoth third year students attended 'WRC Innovation & WRC Robo Race' Challenge of Technoxian in the 5th International Robotics League & World Robotics Championship programme at Thyagaraj Stadium, New Delhi during 23rd - 25th September 2019.

Mr. G. Sankar Babu, second year student secured the second place in the State Level Speech Competition and received Supreme speaker award and a cash prize of 5000/organized by Erode Supreme Lions Club as part of 25th anniversary on 17.10.2019.

EDITORIAL

The Chief Editor: Dr. B. Chidhambara Rajan, Principal, VEC **Editors** Dr. M. Murugan, Vice Principal, VEC

Ms. M. Chitra, Asst. Prof.(Sr.G), Head, Dept. of English

Ms. Sheeba Manodh, Asst. Prof.(Sr.G), Dept. of English

Layout & Design: Mr. T. Elavarasu, Placement Executive

Ms.Amrutha Devadas, Ms.M.Anupama, Ms.M.Subetya, Ms.J.Thulasi Mani third and second year students secured the 4th position in Anna University Ball Badminton competition during Academic year 2019-20 Even Semester.

Mr. R. Gokula Kannan, third year student successfully completed his internship in Marine Sensor Systems Group at National Institute of Ocean Technology, Chennai during 26.11.2019-10.12.2019.

Mr. S. Subash attended the following training programmes.

- Won third place in Line Follower conducted during Upagraha 2019 on 26th September 2019 at Sri Venkateswara College of Engineering, Sriperumbudur.
- DST & Texas Instruments India Innovation Challenge Design Contest 2019 powered by AICTE and anchored by NSRCEL@IIMB.
- Eight day Internship programme on 'Internet of Things' and got excellence in technical project competition conducted by Experts Hub at Sri Ramachandra Engineering and Technology, Chennai during 5th Dec-12th Dec. 2019.

Mr.S.Marirajan, AP, Mrs. T. S. Sheriba, AP and Second year section 1 students went on an Industrial visit to Integrated Coach Factory (ICF) Perambur, Chennai. They also visited Central Rail Museum to acquire knowledge about the basic information on stainless steel 3-phase EMU coaches with improved amenities like water dispenser, mobile charging points, LED lights and also process of production of new generation metro coaches.

The Faculty members of the Dept of ECE, EEE and E&I went on an Industrial Visit to 'Retech Solutions Pvt Ltd', West Tambaram, Chennai on 08.11.2019 to sensitize their knowledge on Product Development such as Engraving Machine, Printing Machine, Printer Filament and Acrylic Laser Cutting.



Faculty members Industrial Visit to 'Retech Solutions Pvt Ltd'

Mr.R.Nagraj, AP and Mrs. R. Birundha, AP went on an Industrial Visit to SS Design Systems Pvt. Ltd, Chennai under the coordination of Mechanical Dept on 15.11.2019 to gain information about the manufacture of die, pressure die & fabrication works.

Dr. S. Ramesh, Asso prof and Mr. M.A.Seenivasan, AP went on an Industrial Visit to CET Power Solutions India Pvt Ltd, Kattupakkam, Chennai under the coordination of E & I Dept on 29.11.2019.

Worksbot Software Solutions conducted Campus Recruitment for the eligible 2020 batch students in December 2019. 6 Students have been placed with a salary package of 3 lakh rupees per annum.

Ms. J. Deepika and Ms. M. Priya final year students have been placed in the Innive Software Solutions conducted on 23.12.2019.

Ms. M. Vanitha, Research Scholar, Dr. S. Ramesh, Asso. Prof. & Ms. S. Chitra, Research Scholar published a paper on the 'Wearable Antennas for Remote Health Care Monitoring System using 5G Wireless Technologies' in the International Journal of Telecommunications and Radio Engineering, Vol.78, no.14 pp.1275-1285, November 2019.[Scopus Index, ISSN No.:0040-2508, SNIP:0.20, SJR:0.202].

Dr. S. Ramesh, Asso. Prof. and Mrs. K. Kayalvizhi, Research Scholar published paper on the 'A Broadband LR loaded Dipole Antenna for Wireless Communication' in the Springer Lecture notes on Data Engineering and Communication Technologies Vol.35, pp.1415-1426, in December 2019.

Dr. S. Ramesh, Asso Prof and Ms. M. Vanitha, PG Student published paper on the 'Wearable Antennas for Human Physiological Signal Measurements' in the Springer Lecture notes on Data Engineering and Communication Technologies Vol.35, 1441-1451 in December 2019.

A Faculty Development Programme was conducted on 'Integrated Circuits for Guided and Unguided Communication' during 27.11.2019-04.12.2019. Mr.Sakthishanmuga Sundaram, Mr. S. Lakshmi Narayanan, AP Mr. S. Lokesh, AP of Peri, TJS, Vel Tech Engineering Colleges, Chennai respectively & Dr. J. Mohan, Asso Prof, Dr.C. Amali, AP, Mr. Anbarasan, AP engaged the sessions on the A/D, D/A converters, Digital signaling, Impedance matching, Op-amp, Wireless Communication & Channels and Transmission Lines. Mr. D. Murugesan, AP and Ms. K.Sobana, AP successfully coordinated the programme.



FDP on 'Integrated Circuits for Guided and Unguided Communication'

An Orientation Programme was conducted for our Teaching Staff on 03.12.2019 to develop Team Building, Art of Persuation, Strength, Weaknesses, Opportunities and Challenges and Being Assertive by the Dept of Placement and Career Guidance, SRMVEC.

A one day Skill Development Programme was conducted for all non-teaching staff members of our college on 'The

Industrial Visit to VMR Elmag Solutions



The Staff members of EEE & ECE department went on an Industrial Visit to VMR Elmag Solutions on 22.11.2019 by during the Academic Year 2019-20.

Power of Positive Thinking' on 22.11.2019. Dr. Komala James, Prof & Head explained the various motivational strategies and meditation methods to confront the problems and provided the solutions to solve them.



SDP on 'The Power of Positive Thinking'

A Motivational Talk was arranged for the second & third year students as part of the Bridge Course on 19.12.2019. Dr.R. Nawin Sushil, Director and Ms.S.M. Nandhini, Technical trainer of SRN Education, Chennai gave a lecture on the career opportunities in government organizations, he also provided the eligibility requirements and guidance for effective preparation. The students clarified their doubts on TNPSC and UPSC Examinations. Dr.N.Usha Bhanu, Prof and Dr.J.Mohan, Asso Prof coordinated the event successfully.



Motivational Talk for the second & third year students



Shimmer 2019, the Alumni meet organized by SRM VEC, SRM Nagar, Kattankulathur, was truly a trip down the memory lane for all the old students of the college who had gathered joyously for the special occasion. Pleasant memories and gratifying thoughts were surely recreated in the minds of the Alumni who happily enriched their rapport with their friends.

Dr.T.P.Ganesan, Director, SRM VEC, Pro-V.C (P& D), SRM IST, graced the occasion.

Dr.B.Chidhambara Rajan, Principal, SRM VEC, in his presidential address greeted the Alumni and emphasized on the importance of education and the contribution of engineers to the society that they live in.

Dr.M. Murugan Vice-Principal in his address said that the Alumni are the ambassadors of the institution and that they must be able to create a win win situation for the college as well as for themselves.

A few of the former students fondly recollected their memories that were etched in their minds about their college. They shared their job experiences with their friends on this platform and gave a few valuable suggestions. The management and the staff of the college felt a great sense of satisfaction knowing about the success stories of their glorious students. The cultural team of the college set the stage on fire with their rocking performances. A few of the Alumni also gave a few cultural performances. The Alumni had the wonderful opportunity of freezing these special moments in group photographs with the staff members of their departments.

Department of ELECTRONICS & INSTRUMENT ATION ENGINEERING

The Dept. in association with the ISA VMEC Student Charter and ISTE Charter organized following program as follows.

Under the Centre of Excellence, a workshop 'Learn the Bot' was organized on 16th October 2019 for school students. The Department of Electronics and Instrumentation Engineering in association with the ISA VMEC Student Charter organized one day workshop on Robotics "Learn The Bot" for school students on 16-10-2019. Participants belonging to 6 various Schools surrounding the areas of Chengalpet, Singa Perumal Koil, Maraimalai Nagar and Perungalathur comprising a total strength of 181 Students, accompanied by 9 teachers attended the Workshop. Coordinator of the Workshop, Dr.R.Umamaheshwari Assistant Professor, gave a brief introduction about the Robotics Workshop. The Student members of the VEC

Youth Red Cross



An Eye Camp event was arranged by IRCS and M.N.Eye Hospitals on 15.10.19 at the Admin. Block Seminar Hall. 25 YRC volunteers helped the Hospital crew in all activities. The teaching staff, non-teaching staff and students made use of the programme and around 85 cases were screened. The crew gave consultations and some were prescribed and provided spectacles. As a part of the programme, Eye Donation Forms were also given and around 27 beneficiaries voluntarily pledged to donate their Eyes.

In order to support the government officials and the general public, a program for Online Voters Verification was conducted in our college in the General Engineering Lab. The YRC volunteers actively participated in the process that took place on 22.20.29 and 23.10.19.



Robotics Club presented an Expo on the Robots prepared by them to the school students.



Workshop 'Learn the Bot'

A Staff Development Programme was conducted on 'Environmental Awareness' on 11^{th} November 2019.The Resource Person was Dr. S. C. Prasanna.

A Faculty Development Program was conducted on 'Electronic Instruments and Control Systems' from 18.11.2019 to 22.11.2019.

A Motivational talk was delivered by Mr. Pandian.S, Managing Director, Kadhir Suthir Automations, Chennai on 18th December 2019.

'A' Grade Accreditation by NAAC 7



Motivational Talk

J Manikandan ,V. Mangaiyarkarasi A.P (Sr.G.) and P. Subramanian published a paper titled 'Performance Examination of OFDM Modulation Techniques in LTE 4G', in the International Journal of Engineering and Advanced Technology (IJEAT), Volume 9, Issue2, Page No. 3401-3404,ISSN: 2249-8958,December-2019.

Thivakar M III year was awarded 'ISTE Chapter Best Student Award' for the year 2019 at 19th ISTE TN Section Annual Convention of Engineering Students 2019 on 18th December 2019,PSG Institute of Technology and Applied Research, Coimbatore.

Student Affairs Cell



The Student Affairs Cell of SRM Valliammai Engineering College organized an awareness Seminar on Insure, Secure and save tax on 20.12.19 for the benefit of faculty members of all departments.

Mr. B. Bhaskaran ,Deputy Manager, Life Insurance Corporation of India Ltd, Ms. K. Renuka, Asst. Manager CUB Ltd and Mr.Balaji, CUB Insurance delivered a seminar on the insurance availability for tax saving and for secured pension scheme opportunities to the staff. They briefly explained the schemes and their benefits for income tax saving.

The Coordinators of Student Affairs Cell, Dr.N.Usha Bhanu, Prof/ECE, and Dr.M.Senthil Kumar, Associate Prof/CSE with the support of other Staff of different departments organized the programme effectively. The faculty clarified their doubts regarding various insurance schemes from the resource persons. Totally, 42 staff members from different departments participated and benefitted from the Seminar.

Certificate of

Technical Education (ISTE) appreciated our Principal Dr.B.Chidhambararajan for his commendable professional services through ISTE for the cause of Technical Education during the period 2015-2019.



Department of **INFORMATION TECHNOLOGY**

'Motivational Talk' was organized on 16.12.2019 for the second and third year students and the Resource Person was Ms.Suganya Saravanan, Member Technical Staff, ZOHO Corporation, Chennai.



'Motivational Talk'

A six day FDP on 'Data to Forensic (D2F)' was organized from 02.11.2019 to 08.11.2019 for the Teaching Staff.

Industrial Visit to Vendar TV



Industrial Visit to Vendar TV, Ekkaduthangal, Chennai on 07.11.2019 by the Staff members of IT, CSE, ECE and Mech departments during the Academic Year 2019-20.



FDP on 'Data to Forensic (D2F)'a

A one day STTP on 'Poster Design' was organized on 25.11.2019 for the Non-Teaching Staff and the Resource Person was Mr.R.Sankara Narayanan, A.P.



STTP on 'Poster Design'

Dr.A.R.Revathi, Asso.Prof. received Shri.P.K.Das Memorial's 'Best Faculty Award and Life Time Achievement' award from Nehru Group of Institutions.

A one day Industrial Visit to 'Vendhar TV, Chennai' was organized on 07.11.2019 for the Staff.

SPORTS



Gold Medal in Anna University Zone - 4 Basketball Men Tournament

The Table Tennis Team got Fourth Position in Anna University Zone - 4 Table Tennis Women Tournament organized by New Prince Bhavani College of Engg. & Tech. on 3rd October 2019.

We won the Gold Medal in Anna University Zone 4 Basketball Men Tournament organized by Prince Sri Venkateshwara Padmavathi College of Engineering on 10th & 11th October 2019.

We won 4 Gold Medals, 2 Silver Medals, 3 Bronze Medals and the Overall Championship Second Position in Women Athletic meet and 1 Gold Medal in Men Athletic



Bronze Medal in Anna University Zone – 4 Basketball Women Tournament meet in Anna University Zone 4 Athletics Meet (Men & Women) organized by Tagore Engineering College on 12th & 13th October 2019.

Won the Bronze Medal in Anna University Zone 4 Basketball Women Tournament organized by Madras Institute of Technology Campus, 20th October 2019.

Dr.N.Ganapathy, Director of Physical Education, SRM VEC, was one of the Selection Committee Member for Anna University Badminton Women Team Selection at SSN College of Engineering on 3rd November 2019.

The Department of Physical Education successfully conducted the Annual College Day Staff Sports Events for the academic year 2019-20.

Sel.M.Abinav, I MECH, represented the college in the Anna University Table Tennis Men Team and secured Silver Medal in SDAT Inter University Table Tennis Men Tournament 2019-20 held at Sri Ramachandra Medical Institute, Chennai on 17th Dec. '19.



Above: Sel.M.Abinav, I – MECH secured Silver Medal in SDAT Inter University Table Tennis Men Tournament. Below: Sel.S.Karthick Narayanan, IV – EEE secured Bronze Medal in South Zone Inter University Chess Men Tournament.

Selvan.S.Karthick Narayanan, IV EEE, represented the college in the Anna University Chess Men Team and the team secured Bronze Medal in South Zone Inter University Chess Men Tournament and the Fourth Place in the All India Inter University Chess Men Tournament 2019-20 held at Gandhigram Rural Institute, Dindigul on 22nd to 25th December 2019.

Our Women Ball Badminton team secured the Fourth Position in Anna University Inter Zonal Ball Badminton Women Tournament organized by P.S.N.A. College of Engg. & Tech., Dindigul on 29th & 30th December 2019.



Women Ball Badminton team secured the Fourth Position in Anna University Inter Zonal Ball Badminton Women Tournament

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Industrial Visit to 'Vendhar TV'

Dr.A.R.Revathi, Asso.Prof. and Shwetha.M, III year, published an article titled 'Cloud Computing: A Complete Study' in CSI Communications, October 2019.

Dr.A.R.Revathi, Asso.Prof. and Shwetha.M, III year, published an article titled 'Cyber Security' in CSI Communications, November 2019.

Dr.A.R.Revathi, Asso.Prof. and Shwetha.M, III year, published an article titled 'Bioinformatics' in CSI Communications, December 2019.

Mr.K.Elaiyaraja, A.P. and Ms.S.Sandhya, A.P. presented papers on 'Intelligent Big Data Domain for R-fmri Big Data Preprocessing An Optimized Approach' and 'FCM Based Segmentation and Nural Network Classification of Tumor in Brain MRI Images' in a two day International Conference on the 'Big data and Cloud Computing' on 06th and 07th December 2019 at Karunya Institute of Technology & Sciences, Coimbatore.

Ms.S.Shenbagavadivu, A.P., Mr.K.Elaiyaraja, A.P., Ms.R.Shanthi, A.P., Ms.R.Saranya, A.P., and Ms.S.Sandhya, A.P. participated in a two day FDP on 'Machine Learning using Python' from 12.12.2019 to 13.12.2019 organized by CSI-Kancheepuram Chapter at Sri Sai Ram Institute of Technology, Chennai.

Ms.R.Thenmozhi, A.P., Ms.S.Shenbagavadivu, A.P. and Ms.R.Shanthi, A.P. participated in a one day FDP on 'Value Education' on 05.12.2019 organized by Tamil Mandram, SRM VEC.

Ms.R.Lakshmi, A.P. participated in a one day Customer Connect Series- Examly Emerging Technologies in IT Product Development on 11.12.2019.

Industrial Visit



Faculty members from the Departments of EIE, EEE and ECE visited CET Power solutions Pvt. Ltd. Kattupakkam, Chennai-56 on 29th November 2019.

Department of **MECHANICAL ENGINEER!NG**



SDP on 'Basic operation in Mechanical Engineering'

A one day skill development programme on the 'Basic operation in Mechanical Engineering' was organised on 13.11.2019 for non-teaching staff members of various departments. The following topics were discussed: Lathe working principle, Welding, Drilling, Milling, Grinding, Shaping operations.

Department of Mechanical Engineering and SAEVEC Collegiate club jointly organized an inauguration ceremony of 'FAB Lab' on 13.11.2019. Dr. T. P. Ganesan, Director, SRM VEC & Pro-Vice Chancellor (P&D), SRMIST, inaugurated the FAB Lab and visited the fabricated vehicles and achievements of the SAEVEC Collegiate club.



Opening Ceremony of 'FAB Lab'

An Industrial visit was arranged for teaching staff of various departments to 'SS Design System (P) Ltd' on 15.11.2019. The main objective of this industrial visit was to enhance the knowledge and to reduce the gap between the Industries and academic institutions. The Chief Supervisor explained CNC milling, CNC drilling and Programmable Logic Controller.



Industrial Visit to 'SS Design System (P) Ltd'

A four day Workshop on 'Aero Modeling Learn; How to Fly' for school students was conducted on 04.12.2019. SRM VEC SAE Club students and Madras Aero Club Trainers demonstrated the fundamentals of aero modeling and a kit was provided to the participants.



Workshop on 'Aero Modeling Learn; How to Fly' for school students

A five day Faculty Development Programme on the 'Thermo Structural Analysis' was conducted from 05-12-2019 to 12-12-2019. Dr.M.Kannan, Professor, KCG College of Technology delivered a lecture on the following topics: Air standard Cycles - Otto, Diesel, Dual, Brayton - Cycle Analysis. Dr.N.Senthilkumar, Professor, Adhiparasakthi Engineering College delivered a lecture on the topics: Deformation of simple and compound bars. Dr.M.S.Alphin delivered a lecture on the following topics: One dimensional Second order Equations - Discretization and ement types. As part of the Faculty Development Programme, an industrial visit was arranged for teaching staff to 'Green Pearl Electronics Private Limited'.



FDP on 'Thermo Structural Analysis'

As part of the Bridge Course for the second & third year students, a 'Motivational Talk' was arranged on 19.12.2019. Mr. S.N.Parthasarathy, Corporate Trainer delivered a lecture



'Motivational Talk'

on the topic: Self Motivation, How to study and Self discipline.

Dr.G.Anbuchezhiyan, Assistant Professor (Sr.G) completed his Doctorate of Philosophy under Anna University, Chennai.

Department of MANAGEMENT STUDIES

An industrial visit to M/s. United Breweries Group Ltd was organized for the first year MBA students on 31.09.2019. Students had the opportunity to understand the manufacturing process and the quality control measures implemented in the organization in a real time environment.



Industrial Visit to M/s. United Breweries Group Ltd

A training program on 'Behavioural Communication and Information Seeking' was organised for the non-teaching staff on 08.11.2019. 20 non teaching staff from various departments of the college participated and benefited from the programme.



Training Program on 'Behavioural Communication and Information Seeking'

Dept. of Management Studies in association with the Institution Innovation Council, to celebrate Innovation Day to mark Dr. A. P. J. Abdul Kalam's Birth Anniversary conducted an awareness program on 'Food and Safety Standards in India' on 15.10.2019. The program was conducted to create awareness among students on food safety and to suggest innovative solutions for adulteration practices in food processing industry. 43 students from first year MBA participated and benefited from the programme.

A Guest Lecture on 'My Story Innovators Life & Crossroad Motivational Talk' was organised by the Dept. of

Management Studies in association with the Institution Innovation Council on 26.9.2019. Mr. Senthil, an hotelier and alumni of the college delivered the lecture to the First year MBA students.

A one day workshop on 'Entrepreneurship and Innovation as a Career Option' was organised by the Dept. of Management Studies in association with the Institution Innovation Council on 28.9.2019. Ms. Vaishnavi Vignesh Raja, Director, EQuad Engineering Services, Vice President Operations and Strategy, SECO Controls Pvt. Ltd addressed the students. 120 students from First year MBA participated and benefited from the program.



Workshop on 'Entrepreneurship and Innovation as a Career Option'

A Guest Lecture on 'Women Entrepreneurship' was organised by the Dept. of Management Studies in association with the Institution Innovation Council on 01.11.2019. Mrs.Jayasri Krishnan, Managing Director, D' Organica Shoppee, delivered the lecture. The session was focused towards creating awareness among students on roof gardening as an entrepreneurial activity. First year MBA participated and benefited from the program.

A Guest Lecture on 'Entrepreneurship Journey' was organised by the Dept. of Management Studies in association with the Institution Innovation Council on 28.11.2019. Mr. Venkatesh Maran, Founder and CEO, SharePoint Designs Pvt. Ltd, Chennai delivered the lecture. The session was focused towards creating awareness among students on how to start an organisation, hurdles faced during entrepreneurial journey, leadership skills and motivation. Students from First year MBA participated and benefited from the program.



The SRM VEC CSI Student Branch organized a technical event for the benefits of the students on 10th of October, 2019. It was exclusively organized only for the first year students. The welcome speech was given by J. Sabarish (Event Manager of CSI VEC-SB). "SPOTLIT" and "TECHNOFEZ" were the two competitions that were organized.

NSS

NSS Unit of SRM Valliammai Engineering College undertook another drive of "Plastic Waste Shramdaan" with a main focus on "Collection of Plastic Waste". This was done on Wednesday, 02nd October, 2019 at St. Thomas Railway Station with the following activities.

- Carried out enhanced cleanliness, through collection of plastic wastes from the railway premises.
- Created awareness for a greater impact against the single use plastic.
- Took pledge against 'one time use and throwaway plastic' involving participation of all railway employees, NSS Volunteers and passengers.
- S. Parthasarathy, Assistant Professor/GE & NSS Programme Officer received the Best NSS Programme Officer award for the year 2018-19 from Dr. K. K.Surappa, Vice Chancellor, Anna University, Chennai on 15.10.2019 at Vivekananda Auditorium.

National Unity day (also known as Rashtriya Ekta Diwas) is celebrated every year on 31st of October by the people all over India. It is celebrated to commemorate the birth anniversary of Sardar Vallabhbhai Patel who really unified the country. Rashtriya Ekta Diwas or National Unity Day was introduced by the Government of India in 2014 with the aim of celebrating this event every year on 31st October. The aim of introducing this event is to pay tribute to the great man, Sardar Vallabhbhai Patel, on his birth anniversary by remembering his extraordinary contribution for the country.



The NSS Unit organized 'Rashtriya Ekta Diwas' (National Unity Day) event on 31.10.2018 at 11.00 a.m. This event was celebrated in the form of a special assembly. Rajesh R, I ECE delivered a speech highlighting the principles advocated by Sardar Vallabhbhai Patel. Sowmiya P, I ECE delivered a speech about his unity involvement. The students and Staff took the pledge to preserve the unity and integrity of the nation and spread this message among the countrymen.

70th Constitution Day also known as 'Samvidhan Divas' was observed on 26th November 2019 by the NSS unit of SRM Valliammai Engineering College. 157 staff and 136 students read the 'Preamble'. The commemoration function of 'Samvidhan Divas' was watched live by 20 staff members.



12 'A' Grade Accreditation by NAAC

With the commencement of Northeast monsoon, the NSS Unit of Valliammai Engineering College organized a cycle of distribution of 'Nilavembu Kudineer' to Faculties, Students, Staff and public. The programme was conducted from 30.10.2019 to 01.11.19 (three days) between 10.00 a.m. and 12.30 p.m. Nearly 1500 members were benefitted by drinking 'Nilavembu Kudineer'. It was a precautionary measure for the students, staff and public are not to be affected by Dengu and other viral fevers. The fogging machines were used by the NSS volunteers and the employees in and around the college campus on alternate days to eradicate mosquitos.

To commemorate the Birth Anniversary of Mahakavi Bharathiyar, a pioneer of modern Tamil Poetry, students and staff of SRM Vallaimmai Engineering College celebrated his birthday on 11.12.2019. The Staff and the students spoke about the life history of this great poet. Students displayed relevant quotes and charts depicting the importance of this day.

Department of **GENERAL ENGINEERING**

Mr.S.K.Saravanan and Dr. D. Sridevi of GE Department went on an industrial visit to the SS Design Systems (P) Ltd., Sriperumbudur, Kancheepuram District on 15.11.2019.

Mr.S.K.Saravanan, Asst.Prof.(Sel.G), Mr. M.Asan Nainar, Asst.Prof.(Sel.G) and Mr. V.Santhana Marichamy, Asst.Prof.(Sel.G) published a research paper titled 'Android Based Smart Automation System using Multiple Authentications' in the research journal 'Iconic Research and Engineering Journals' with the ISSN No. 2456-8880, Vol 3, issue 6, December 2019.

Mr. S. K. Saravanan, Asst. Prof. (Sel. G) and Mr. S. Parthasarathy, Asst. Prof (Sel. G) attended a Faculty Development Programme on 'MACHINE LEARNING USING PYTHON' for two days (12.12.2019 and 13.12.2019) at Sri Sai Ram Institute of Technology, West Tambaram, Chennai 44 in association with Computer Society of India.

Ms. M. Sangeetha, Programmer participated in the Skill Development programme on "The Power of Positive Thinking' organized by Dept. of ECE on 22.11.2019.

Ms. M. Sangeetha, Programmer participated in the One Day training programme on "Poster Design' organized by Dept. of IT on 25.11.2019.

Department of **ENGLISH**

The third session of the Oratorical Competitions under the auspices of 'Burke Club' was held on 4th Nov 2019. The first year students actively participated and exhibited their oratorical skills. The winners were rewarded with prizes and certificates.



Prize winner of Oratorical Competition of 'Burke Club'

Linguathon - A series of competitions, Phase I was conducted on 15th October 2019. The competitions held were Turn a Coat, Collage Making and Skit competitions. The first year students exhibited their creativity and enthusiasm during these competitions.

Dept. of English conducted 'A workshop for the Limited Proficient Students', under the auspices of Eclectic Lingua on 4th October 2019during the Academic Year 2019-20.

Ms. M. Arthi, Asst Professor, Mr. Abhishek David John, Asst Professor and Ms. S. Shyamala, Asst Professor attended a Faculty Development Programme on Value Education organized by Tamil Mandram on 5.12.2019

Mr.Abhishek David John, Asst Professor presented a paper titled 'Polite Expressions' The Key To A Positive Workplace' in the two day International Conference on 'English Language Teaching: Trends and Innovations' organized by the SSN College of Engineering, Chennai on 13th and 14th Dec 2019.

Ms.Rachel, Lab Asst participated in the following Staff Development programmes:

- 'Basic Skills of Computer' on 29th Nov 2019 organized by Department of Computer Science Engineering.
- 'Poster Design' on 25th Nov 2019 organized by Department of Information Technology.
- 'The Power of Positive Thinking' on 22nd Nov 2019 organized by Department of Electronics and Communication Engineering.
- 'Environmental Awareness' 11th Nov 2019 organized by Department of Electronics and Instrumentation Engineering.

Department of **PHYSICS**

A Guest Lecture was delivered by Dr.P.Rajashree, Assistant Professor, Centre of Advanced Studies in Crystallography & BioPhysics, University of Madras, Chennai on 'Nano scale materials for energy applications' on 3rd October, 2019.



Guest Lecture on 'Nano scale materials for energy applications'

Dr. K. Thiruppathi participated in the National Workshop on 'Training of teachers for student induction programme' organized by University Grants Commission, South Eastern Regional Office, Hyderabad on 30th & 31st October, 2019 at Bharathiyar University, Coimbatore.



Guest Lecture on 'Acousto Optic Devices as New Spectroscopic Tools'

A Guest Lecture was delivered by Dr.G.Velraj, Associate Professor, Department of Physics, College of Engnieering Guindy, Anna University, Chennai on 'Acousto Optic Devices as New Spectroscopic Tools' on 25th October, 2019.

Ms. R. Nithya Balaji published her research paper entitled 'Synthesis, Molecular structure in vitro and in silico studies of 4-phenyl morpholine heterocyclic amides' on Dec. 10, 2019.

Dr.M.Anbuchezhiyan published his research paper entitled 'The crystal structure, linear and nonlinear optical properties of 3-Aminonitrobenzene for photonic application A combined experimental and theoretical investigation' on Dec. 16, 2019.

Dr. H. Krishnan received Jury Award from All India Council for Technical Education of Regional Convention of 3rd AICTE Vishwakarma awards 2019 on 18th Dec. 2019.

Department of **MATHEMATICS**

Dr.T.Isaiyarasi AP(Sl.G), Mr.N.Sundarakannan AP(OG) and Mr.D.Captain Prabhakaran AP(OG) participated in a one day Workshop on Engineering Mathematics through SAGEMATH organized by Mathematics Division, School of Advanced Sciences at VIT, Chennai on 9th November 2019.

The Mathematics Association 'EULER.COM' organized the 4th National Seminar on the 'Mathematical Techniques and their Applications' on 23rd November 2019.

Department of Placement & Career Guidance

During the months Oct. to Dec. 2019, around 17 companies (Bajaj, Samarath, Atos Syntel, SysArc, Worksbot, Quickride(iDisha), Randstad India Pvt Ltd [HDFC AMC], Johnson Controls, ExcelaCom, IBM India Private Limited, Covenant Consultants, Milekal Engineering, Introit Technologies Pvt Ltd, SunTec Business Solution, Naukri.com, Valued Epistemics & Innive) conducted their campus drive and 77 students from various departments were placed.

Aptitude Training Programme was conducted on 22.10.2019 & 23.10.2019 (2 days) and Soft Skills on 24.10.2019 & 25.10.2019 (2 days) - Training Class MBA Students.

Orientation Programme for Teaching Staff Members was held for 2 days from 2.12.2019 & 3.12.2019. The Staff Members from the Depts CSE, IT, ECE, EEE, EIE, CIVIL & MECH participated. Team Building Activities, Art of Persuasion, SWOC (Strengths, Weaknesses, Opportunities and Challenges) Analysis of Self Comprehensive & Being Assertive were the topics. Ms.J.J.Monica Paul, Head-Placement was the Resource Person.

A Staff Development Programme was conducted for Non-Teaching Staff on 13.12.2019 and prizes were distributed to all the participants. Ms.J.J.Monica Paul, Head-Placement was the Resource Person.

Winter Training Programme for the Pre-final year students (2021 Batch) was conducted between 11.12.2019 and 14.12.2019 for all BE/B.Tech students.

Rukmanthraj E of IT (FSE), Goutham U B of MECH (ASE) & Naveen Kannan of ECE (ASE) were selected for the Accenture Graduate Internship Programme to be held from 20.01.2020 to 10.04.2020 for 3 months.





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National Seminar on the 'Mathematical Techniques and their Applications'

Session -1: Dr. C. R. Sundara Rajan, Associate Professor and Assistant Director, VIT Business School, VIT, Vellore, delivered a lecture on Recent trends in Marketing and skill development.

Session -2: Mr. T. G. Bhaskar, Assistant Professor, Department of Mathematics, Lognatha Narayanasamy Government Arts & Science College, Ponneri. The session gave a perfect over view about the quantitative techniques and easy approach to solve the multiple choice questions (CSIR-UGC NET and TNSET) in aptitude in various competitive exams.

Session -3: Dr.A.Felix, Assistant Professor, Department of Mathematics, School of Advanced Sciences, VIT, Chennai. The speaker demonstrated the Statistical Techniques and Numerical Methods using MATLAB. A practical session was conducted to enable a better understanding of the concept.

Dr.V.Vijayalakshmi AP(Sl.G), Ms.A.Karpagam AP(OG) and Ms.G.Sasikala AP(OG) participated in the Faculty Development Programme on Value Education organized by Paarivendhar Student's Tamil Association at SRM Valliammai Engineering College on 5th December 2019.

Dr.T.Isaiyarasi AP(Sl.G) delivered a guest Lecture on Application of Number Theory in Cryptography at New Prince Shri Bhavani Arts and Science College, Medavakkam on 10th December 2019.

Department of CHEMISTRY



Science Expo 2019

The Department of Chemistry organized the 'Science Expo'19 on 29/11/2019 for school students. Participants

from various schools took part in the event with a total strength of 40 presented their projects in various fields of science. The major objective of the programme is to provide a basic platform to understand science and explore the performance of the students by incorporating engineering ideas. The Vice Principal and the Heads, Faculties and students of various departments visited and interacted with the school students about the projects of the emerging engineers. The 'Science Expo'19 was judged by Ms. D. Praveena, Assistant Professor and Ms.R.Nithya Balaji, Assistant Professor from the Department of Physics. The best projects were selected and distributed prizes and appreciation certificates.



Guest Lecture on 'Renewable Energy Sources'

In the National Conference on Recent Trends in Chemistry of Materials (NCRTCM-2019) organized at Bannari Amman Institute of Technology, Sathyamangalam during 11-12 October 2019, the Staff noted below presented papers.

Dr. L. Devaraj Stephen on 'Effect of Binary Solvent Medium towards the Photoreduction CoIII(pn)2Cl(L)2+ on Aqueous TiO2 Suspensions under Visible-Light Irradiation'.

 $\label{eq:continuous} \mbox{Dr. M. Soundarrajan on 'Kinetic and Isotherm Study for the Bio-Sorption of Chromium Toxic Metal from Water'.}$

Dr. S. G. Gunasekaran on 'Phenyl Pendant Core Imine Skeletal MWCNT reinforced Phenylene based Polybenzoxazine (MWCNT/PBZ) Nano composites'.

Dr. J. Krishnamurthi on 'Catalytic Asymmetric Synthesis of Functionalized 8-oxabicyclo[3.2.1]octanes using Chiral dirhodium(ii) carboxylate'.

Dr. P. Maheswari on 'Antifouling Studies of the PEES/Nano-Silver Nanofilteration Membranes'.

Mr. V. Arivalagan on 'Water Repellent Coatings from Structurally Designed Phenylene core Imine Skeletal Nanotitania reinforced Polybenzoxazine (nTiO2/PBZ) Nanocomposites'.

Ms. M. Meera on 'Design and Development of Pyrenyl Pendent Aromatic Diamine MWCNT reinforced Polyimide (MWCNT/PI) Nanocomposites'.

The Department of Physics and Chemistry under the auspices of 'Physical Sciences Club' organized an Essay Writing Competition on 05/11/2019 for the First Year B.E/B.Tech students.

Mr. S. Shokku and D. Jegadessan, Lab Assistants participated in the Skill Development Programme on 'The Power of Positive Thinking' organized by Department of Electronics and Communication Engineering, SRM Valliammai Engineering College, Kattankulathur on 22/11/2019.

Mr. D. Jegadessan, Lab Assistant participated in the Skill Development Programme on 'Poster Design' organized by Department of Information Technology, SRM Valliammai Engineering College, Kattankulathur on 25/11/2019.

Shri P K Das Memorial **Best Faculty Award 2019**



Dr. A. R. Revathi, Associate Professor, Dept. of IT has been honoured with "Shri P K Das Memorial Best Faculty Award 2019" with cash prize Rs.10,000/- for having been adjudged as the Best Faculty of Information Technology, for the year 2019. Hearty Congratulations!

Workshop on 'Chemistry towards Engineering'



Workshop on 'Chemistry towards Engineering'

The workshop on Chemistry towards Engineering was conducted for the first year B.E./B.Tech students by the Department of Chemistry on 01.11.2019. The chief guest was Mr. E. Palaninathan, General Manager - R&D, JK Fenner (India) Ltd, Chennai. He delivered the lecture on role of polymeric products in all kind of industries. He also emphasized current trend and research going on in the field of polymeric products. The session was very interactive. Another expert lecture was given by Mr. A. Arunachalam, Quality Manager, International Flavors and Fragrances Inc, Chennai. He delivered the lecture on role of flavors and fragrances in the field of food and perfume industries. He asked students to smell some fragrances and identifying the nature of the flavors and fragrances. Students were much involved in the identifying the fragrances. The students had a wide interaction with guests about various concepts on these topics and clarified their doubts. The Students and the Faculties around 150 nos attended the workshop. The workshop was found to be very informative and productive both for students and for the staff members by their feedback.

Anna University Rank Holders



NISHAR M.E. CS







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The Management, Principal, Vice Principal and Staff Congratulate the students for obtaining Anna University Rank in April / May 2019 Examinations





