

EGS PILLAY ENGINEERING COLLEGE, AUTONOMOUS
(An Autonomous Institution, Affiliated to Anna University, Chennai)
Nagore Post, Nagapattinam – 611 002, Tamilnadu



magazine

2019-2020

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Address

Egs Pillay Engineering college

Nagore post,

Nagapattinam-611002

Website :www.egspec.org

Landline:04365-251112,251114

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Vision

To deliver the highest quality engineering graduates, cutting-edge research and innovative technology for the benefit of society locally and globally.

Mission

To provide an excellent education to our undergraduate and graduate students, to conduct leading-edge research in Mechanical Engineering, and to serve our professional communities effectively. This mission is to be carried out in accordance with the Guiding Principles of Anna University, Chennai.

About the Department

The department of Mechanical Engineering was established in 1995. The department offers a undergraduate B.E. (Mechanical Engg.) and a Post Graduate M.E. (Manufacturing Engg.) programmes. The department has approved as research centre by Anna University and Annamalai University. The department has highly qualified and experienced faculty. The department has well infrastructural facilities and has fully equipped laboratories with adequate hardware and software. The teaching faculties are active in conducting research and publishing the papers in reputed Journals and Conferences. The department has conducted six International Conferences and four AICTE sponsored Faculty Development Programs.

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

PEO 1: To prepare students for successful careers in industry that meet the needs of Indian and multinational companies.

PEO 2: To develop the ability among students to synthesize data and technical concepts for application to product design.

PEO 3: To provide opportunity for students to work as part of teams on multidisciplinary projects.

PEO 4: To provide students with a sound foundation in the mathematical, scientific and engineering fundamentals necessary to formulate, solve and analyze engineering problems and to prepare them for graduate studies.

PEO 5: To promote student awareness of the life-long learning and to introduce them to professional ethics and codes of professional practice.

PROGRAM OUTCOMES (POs)

PO 1: Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO 2: Problem analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO 3: Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO 4: Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO 5: Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

PO 6: The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO 7: Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO 8: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO 9: Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO 10: Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO 11: Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO 12: Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PROGRAM SPECIFIC OUTCOMES (PSOs)

After successful completion of the programme, Graduates will be able to

PSO1: Design, develop, test and maintain advanced thermal engineering systems for industrial and other applications.

PSO2: Apply the concepts of modern manufacturing and industrial engineering techniques in industries.

PSO3: Modeling, design and analysis of mechanical components using Computer Aided Design and Analysis software tools.

1.Felicitation



Smt.S.Jothimani G.S.Pillay,

It is often said “Give me a copy of your college magazine, I will tell you about the quality of your college.” I strongly believe in this statement. For, a magazine carries the contributions reflecting ethos and aspirations of the students, faculty and other team members of an institution. I went through the articles and poems published in this magazine. They amply demonstrate the communication skills, poetic prowess, imagination and creativity, humour and humanism, technical competence, and patriotism of the contributors. I wish this maiden attempt all success. Let there be more contributions in English in future.



Chev. S.Paramesvaran, M.Com., FCCA (London)

The pride of every student and staff would be in his/her college. A college may reach heights of glory but without materials like a college magazine, the outside world may not know of it. The role of a college magazine is therefore vital in promoting what an institution offers. It brings out into the open things hitherto unrevealed. It brings to light the names of the unsung heroes and their mighty deeds. I am happy that there is a dedicated team of staff and students who have brought out the first ever magazine of our college. They have presented the stupendous achievements of EGSP ians in the fields of academics, research sports and extra-curricular activities, in a nice way.



Dr.S.Ramabalan ,M.E,Ph.d,

Principal

It is a great pleasure to see the creative expressions of students who had contributed to MERENEW. EGSP has grown abundantly in the recent past. It continues to sustain its growth. People reading this magazine will realize the tremendous changes that are happening in the EGSP campus. The magazine is presenting a glimpse of the growth of The institution on many fronts. The college has been simply unstoppable in its progress as it has been actively involved in various activities that have brought to light the hidden talents of the college students and staff. The highly qualified and dedicated members of staff have always stood shoulder with the management. This magazine has recorded achievements such as: conferences attended by staff members and students, competitions won by the hugely talented students, innovative projects carried out by students with the guidance of staff, among others. They stand as a witness to the monumental efforts taken by the management to make the college a centre of excellence in education and research. I wish the management, staff and students of the college success in their future endeavour.

2.TRENDING

The Indian Automobile Industry Highlights Of 2019

2019 was a hell of a ride for the Indian automobile industry. From allegedly going to the ground to MG and KIA taking the auto market by storm. 2019 has set up an origin story and hopefully, the next year will be bringing a revolution in the industry. Here the best highlights of the Indian automobile industry for the year 2019.

BS6 (Bharat Stage 6) | It's almost here



The year 2019 saw the setup for next years focus on BS6 (Bharat Stage 6) and Electric vehicles in India. BS6 is probably the most talked-about highlight of the Indian automobile industry. The government passed a BS6 emission norm which will force carmakers to switch to a more environmentally-friendly engine which will be made compulsory from April 1st 2020 in new cars.

Electric cars also saw a surge in popularity as the government is introducing subsidies to help electric cars be more lucrative than conventional fuels. The changes will be visible from next year and are already confirmed as Auto Expo 2020 is stated to have a lot of electric cars and more BS6 variants are spotted and spied which means the setup of this year would be worth it next year.

The BS6 even though will start from next year, it cast a huge shadow over the automobile industry with most people not buying vehicles in the fear of getting outdated cars which led to the biggest slump in the automobile industry of this decade.

Kia And MG | The market disruptors

Kia and MG came in the Indian market at a time when it was at its lowest. But when the booking began it gave hope to the sector as it was so much that they had to shut down the booking option because they didn't have the capability to manufacture so many vehicles.



Kia and MG | Indian automobile Industry Highlights 2019

Electric cars are the future

India saw its first locally assembled electric car in the likes of Hyundai Kona Electric with more following next year. After the reduced GST on electric cars to 5%, the Central government gave a signal to the electric automobile industry that they picked up.



Hyundai Kona Electric | Indian automobile Industry Highlights 2019

Kia and MG also bringing an electric car each next year and even companies like Maruti Suzuki will be making EV.

The capital city has also drafted a policy to help push Electric cars into the mainstream. Whether they go mainstream or not is for the future to decide

BNVSAP (Bharat New Vehicle Safety Assessment Program) | Cars getting safer

After having one of the highest death tolls due to accidents, India decided to act on it and implement their own crash test safety system called the Bharat New Vehicle Safety Assessment Program (BNVSAP). It will have crash tests, some compulsory changes and safety additions and make companies showcase the crash test results so people can make an informed decision. This year the first phase of BNVSAP was implemented which made it compulsory for companies to add an ABS in 2 wheelers and Airbags on 4-wheelers. It will continue and get its own crash testing variant from years to come.

New Joint Ventures

1. Mahindra & Ford JV

Mahindra and Ford with Mahindra having 51% stake and Ford having 49% it will allow Ford branded cars in Indian market helping both Ford and Mahindra. The JV is not yet called but when it does you can expect a lot of new and old vehicles.



2. Suzuki and Toyota | Indian automobile Industry Highlights 2019

3. Toyota & Suzuki

Toyota and Suzuki announced some fresh plans which will release new cars. Knowing Toyota's strength in the field of electric and Suzuki's advantage in compact cars we can expect a lot of new electric compact cars.

Vehicle Scrapping Policy proposal

To curb pollution and battle the slowdown in the automobile sector, the Government of India has proposed and funded a car scrapping policy; known as Vehicle Scrapping Policy. This policy aims at replacing old vehicles from Indian roads. Once a vehicle's registration certificate expires beyond its operational limit, a user can go to any government-authorised scrapping centre and surrender the vehicle. The scrapping yards will only be provided to dealers who have at least 1,000 sq yards. The scrapping will be completely non-hazardous and safe and will require CCTV camera installation. The Vehicle Scrapping Policy has been a welcoming highlight of the Indian automobile Industry in 2019.

3.FACULTY ARTICLES

SYNTHESIS AND ANALYSE THE PHYSICAL PROPERTIES OF SUGARCANE BAGASSE GLASSFIBER EPOXY COMPOSITES

Saravanan P1, Surender G2 1PG Scholar, EGSPEC, Nagapattinam 2Assistant Professor, EGSPEC, Nagapattinam, India

The composites are used widely in the production field and it is made of many natural and artificial materials to. Now the glass fibre are used in many places they are very flexible in manufacturing a components to design the required shape and size. So that in addition to develop the strength and quality a naturally available fibre are used, here we used sugarcane bagasse are matrix material and glassfibre as reinforcement, it has been made by the compression moulding machine and tested their mechanical properties such as tensile, flexural, impact and hardness of the materials and thus the properties were analyse and study of the material properties were analyzed.

SYNTHESIS AND ANALYSE THE PHYSICAL PROPERTIES OF SUGARCANE BAGASSE COCONUT COIR EPOXY COMPOSITES

Agoramoorthy G1, Sundar R2 1PG Scholar, EGSPEC, Nagapattinam 2Assistant Professor, EGSPEC, Nagapattinam, India

The present experimental study aims at learning the mechanical behavior of hybrid natural fiber composites. Samples of coconut coir-sugarcane Bagasse-Epoxy hybrids were manufactured using compression moulding method where the stacking of plies was alternate and the weight fraction of fibre and matrix was kept at 40%-60%.Specimens were cut from the fabricated laminate according to the ASTM standards for different experiments. For Tensile test & flexural test samples were cut in Dog-bone shape and flat bar shape respectively. After that experiment is performed under Universal testing machine (UTM) flexural strength & Tensile strength were observed and compared to base values of epoxy polymer to perceive the change in strength. Hardness properties for their brittleness

TAGUCHI OPTIMIZATION OF CUTTING PARAMETERS FOR SURFACE ROUGHNESS AND MATERIAL REMOVAL RATE IN TURNING OPERATION

K. Partheeban[1] ,P. Ramesh[2],Dr. S. Chockalingam[3]

Every manufacturing industry aims at producing a large number of products within relatively lesser time. These days one of the most important machining processes in industries is turning. Turning is affected by many factors such as the cutting speed, feed rate, depth of cut and geometry of cutting tool etc., which are input parameters in this project work. The desired product of dimensional accuracy and less surface roughness is influenced by cutting force and tool vibration which are the responses and the functions of these input parameters. Experiment have been carried out based on L9 standard orthogonal array design with three process parameters namely Cutting Speed, Feed, Depth of Cut for surface roughness and Material removal rate (MRR). The signal to noise ratio and analysis of variance were employed to study the performance characteristics in turning operation. The data was compiled into MINITAB ® 17 for analysis. The relationship between the machining parameters and the response variables (surface roughness and MRR) were modeled and analyzed using the Taguchi method. Analysis of Variance (ANOVA) was used to investigate the significance of these parameters on the response

variables, and to determine a regression equation for the response variables with the machining parameters as the independent variables, with the help of a quadratic model. Main effects and interaction plots from the ANOVA were obtained.

STUDY OF MECHANICAL AND THERMAL BEHAVIOURS OF ZEA-COIR HYBRID POLYESTER COMPOSITES

Dr.S. Chockalingam

The current investigation is to develop the Zea-Coir (ZC) fibers reinforced polyester hybrid composite using a compression sheet molding process. Hybrid composites made with naturally available fibers are finding applications in many of the engineering fields due to their low cost and strong nature of the natural fibers. The composites were manufactured with polyester resin and Zea-Coir fibers were used at a ratio of 60:40 (by volume) with five different proportions of Zea-Coir natural fiber. The mechanical and thermal behaviors of Zea-Coir hybrid composite were analysed by tensile, flexural, impact strength and DSC synthesis. The highest tensile strength value of 25.4 MPa, the flexural strength value of 34.6 MPa and the impact strength value of 45.3 kJ/mm² were obtained from Zea-Coir reinforced polyester hybrid composite.

4.NSS ACTIVITY

SI NO	DATE	ACTIVITY	REMARKS
1	05-06-2019	World environment day (Tree plantation program at our college campus)	Our NSS volunteers organized world environment day at our college campus.
2	21-06-2019	World yoga day program	Our college NSS Unit organizing the Yoga program for students and faculties. Our college principal and YOGA master S.Pandian team trained the students, 500 persons benefited by this program.
3	27-07-2019	Dr.A.P.J.Abdul kalam memorial day	Dr.A.P.J.Abdul kalam memorial day celebration at our college campus. Our college, secretary Dr.S.Paramesvaran principal Dr.S.Ramabalan vice Principal Dr.V.Mohan preside over this function.
4	02-08-2019	Road safety awareness program	Our college NSS unit and Tamil nadu transport corporation jointly organize the road safety debate program at our college. 100 NSS volunteers participated in this event.
5	13.08.2019	Road safety awareness program	Our college NSS unit organize the Road safety awareness program for school students.
6	15-08-2019	Independence day celebration	Our college NSS unit celebrated 73 nd independence day. Our secretary Dr.S.Parameswaran, and principal Dr.S.Ramabalan and Dr. M.Chinnadurai, NSS Programme Officer Dr.V.Sivaramakrishnan & PED Mr.Velan presided over the function & hoisted the national flag.

7	20-08-2019	Swachh bharaoh rally and cleaning work program at Nagapattinam Beach	Our college NSS volunteers clean the Nagapattinam beach to develop the cleanliness. Our college NSS unit and ONGC Nagapattinam jointly organize this event.
8	22.08.2019	Adithya channel organize the debate at our college	Our NSS students participated in this event.
9	29-09-2019	Fit india movement	Our NSS unit organize the fit india movement and taking pledge for this.
10	01-09-2019	NSS orientation program	100 NSS students participated in this Orientation programme.
11	05-09-2019	Teachers day Celebration	Teacher's day celebration was conducted by our NSS unit. NSS volunteers given the pen and sweets to faculty members.
12	09-09-2019	Voters awareness competition	Our college NSS unit organized voters awareness speech, mime and Rangoli competition. Prize winners received certificates. Around 100 students participated in this events. Winners got the prizes.
13	15-09-2019	Road cleaning work	50 NSS volunteers completed the road cleaning work at thethi village.
14	24-09-2019	NSS day (Motivation and orientation program)	Motivation program is conducted for our NSS students. 100 students are participated in this program.
15	30-09-2019	Helmet awareness program	Helmet awareness program conducted at our college and also awareness rally conducted at Nagapattinam.
16	21-09-2019, 28-09-2019, 05-10-2019 &	Crowd control	NSS volunteers help to control the crowd at Sounderaraja Perumal temple, Nagapattinam. (Puratasi - Saturdays)

	12-10-2019		
17	01-10-2019	National voluntary blood donation day (Awareness program)	Blood donation awareness Rally organized by our NSS unit. 100 NSS volunteers are participated in this program.
18	02-10-2019	Gandhi Jayanthi day celebration.	Our college NSS unit celebrated Gandhi jayanthi day. Our secretary Dr.S.Pameswaran and principal Dr. S.Ramabalan presided over the function.
19	05-10-2019	Cleaning work at college Road.	100 NSS volunteers completed the road cleaning work at Thethi village.
20	13-10-2019	Disaster reduction day	Our college NSS unit organized disaster reduction day awarness program for our college campus. 100 NSS volunteers participated in this program. Our secretary Shri.S.Pameswaran and principal dr S.Ramabalan presided over the function.
21	15-10-2019	Abdul kalam birthday celebration (Tree plantation program)	Abdul kalam birthday celebration at our college campus. 100 samplings planted at our college campus. Our college chairman Ms.Jothimani ammal , secretary Dr.S.Pamesvaran principal Dr.S.Ramabalan vice Princial Dr.V.Mohan preside over this function.
22	05-10-2019	Ayudha pooja celebration	Nearly 50 NSS volunteers participated and cleaned the campus and celebrated the ayudha pooja function successfully.
23	15-10-2019	Dr.A.P.J .Abdulkalam birthday celebration	Our NSS unit conducted drawing, essay and quiz competition program for Nagai, Thiruvarur districts. Arroud 2500 school students

			participated in this events. Winners got the prizes.
24	07-11-2019	General medicine awareness camp	Our college NSS unit and fisheries university jointly organize general medical camp and blood donation camp at vadakudi village.
25	10.12.2019	World AIDS awareness program.	Our college NSS unit celebrated AIDS awareness program. nearly 100 NSS volunteers participated in this program.
26	27-12-2019	Vigilance awareness rally	Vigilance awareness rally conducted at thethi village main road, Nearly 100 NSS volunteers participated.
27	02-01-2020	Founder's day celebration (Tree plantation, Food Distribution)	Our chairman G.S.Jothimani ammal , principal Dr.S.Ramabalan, , secretary Mr.S.Pameswaran presided over the function. Tree plantation, food distribution, Eye camp programs conducted.
28	08-01-2020	Campus cleaning	50 NSS volunteers completed the cleaning work at our college campus.
29	09-01-2020	National consumer day	Our college NSS unit Participate in National consumer day programme at Girls Higher sec school Nagapattinam.
30	11-01-2020	Plastic awareness program	Our NSS volunteers organized the plastic awareness programme at thethi Village.
31	12-01-2020	Youth day celebration (swami Vivekanandar birth day)	Principal Dr.S.Ramabalan, Prof S.Krishnamohan, Prof M.Chinnadurai & Secretary Mr.S.Pameswaran Presided Over the Function. Awareness speech conduced. Special guest Prof.Senthil from amiria vidyalayam Nagapattinam.

32	18.01.2020	Polio awareness rally	Rally conducted for Polio awareness at Thethi village Nagapattinam. 100 NSS volunteers participated in this program.
33	20-01-2020	Voters day awareness Speech, drawing and Essay competition program conducted	100 NSS volunteers participated in this competition.
34	23-01-2020	Nethaji Subash Chandrabose Birthday	Our college NSS unit celebrated the Nethaji Subash Chandrabose birthday. Our college principal presided over the function and Pledge program conducted.
35	25-01-2020	Voters day awareness Rally program.	Rally for voters awareness at Thethi village Nagapattinam. 100 NSS volunteers participated in this program. Speech drawing competition Participated candidates received certificates frOm Nagapattinam District collector.
36	26-01-2020	Republic day celebration	Our college NSS unit celebrated the republic day. Our college principal presided over the function and hoisted the national flag. Our NSS unit volunteers perform yoga at district collector office ground.
37	29.01.2020	National consumer day	Our college NSS students participated in the NCD event in Collectorate. They are participated the essay drawing and poetry competitions to receive the winner certificates for the competetions.
38	02-02-2020	Forest department and NSS unit create the awareness program	Essay, speech, drawing and quiz competition conducted for Nagapattinam district school, polytechnic and college students.

39	06-02-2020	Chairman Amma Birthday celebration. (Blood Donation Camp, Help to Sathiya home Orphanage at Nahapattinam, Seeds preparation for new tree plantation)	Our college 100 NSS volunteers participated in the blood donation camp and giving food and dresses to orphanage. Nagapattinam district collector chief guest of this function.
40	10.02.2020	Corona awareness program	Corona awareness program for college students conducted. Resource person Dr.N.Ramanujam create the awareness to the students and faculties of college.
41	01-03-2020 TO 07-03-2020	NSS Special camp	Our college conducting NSS Special Camp at Thethi Village. Temple cleaning, road cleaning, herbal awareness program, Yoga program, corona awareness Rally etc.
42	05-03-2020	Road safety awareness program at new Bustand, Nagapattinam.	Road safety awareness rally programme conducted at Thethi village Nagapattinam 100 NSS volunteers participated in this programme.
43	07-03-2020	Women's day celebration	Tamil Nadu Chief Minister Dr. Edapadi K. Palani chami , Higher Education Minister Anbazhan, Minister O.S. Manian Preside over the function. Our college NSS unit involved in the women's day celebration at E G S Pillay Engineering College campus.
44	APRIL 2019 TO MARCH 2020	Blood Donation at Govt Hospital Nagapattinam, Vinayaga mission Hospital Karaikal & Medical Center Tiruvarur.	120 Units of blood Donated by our NSS Students at Various Hospitals Near Places of Nagapattinam, Karaikal, Tiruthurai poondi, Vedaranyam & Thiruvarur.



5.STUDENT INTERACTION OUTSIDE & ACHEIVEMENT

SL NO	NAME OF THE STUDENT	YEAR	TOPIC	NAME OF THE INSTITUTION	DATE
1	ASHOK S	III	Explore Create and analyse chemical Data using Cheminformatics Tools	Lady Doak College Madurai	10.06.2020
2	ASHOK S	III	Global Challenges in New Product Development	Pavai Engineering College	11.06.2020
3	ASHOK S	III	COVID-19 Technical Awareness	AVC College Of Engineering	22.05.2020
4	ASHOK S	III	National Level Technical E-Quiz on Electrical and Electronics Fundamentals	Sir Issac newton College of Engineering and Technology	28.05.2020
5	ASHOK S	III	Online Quizophile 2020 Competition	EGSPEC	
6	ASHOK S	III	Online Quiz on Green Chemistry	Holy Cross College Nagarkovil	23.05.2020
7	ASHOK S	III	Online Webinar on Civil Service As Career Option ?	EGSPEC	28.06.2020
8	SANTHOSH L	III	Step into Robotic Process Automation - SKILL-A-THON 2020	GUVI Tech	01.06.2020
9	DHINAKAR R	III	Step into Robotic Process Automation - SKILL-A-THON 2020	GUVI Tech	01.06.2020
10	RAGU R	III	Quizophile logo identification E Quiz Competition	EGSPEC	04.06.2020
11	RAGU R	III	online Quiz on MECHSIUM 2020	GPTC Thoothukkudi	19.06.2020
12	ARAVINDH M	IV	APPLICATION ORIENTED MATERIALS IN SCIENCE & TECHNOLOGY	EGSPEC NAGAPATTIN AM	4 JULY-6 JULY 2019
13	THIYAGESAN S	IV	APPLICATION ORIENTED MATERIALS IN SCIENCE & TECHNOLOGY	EGSPEC NAGAPATTIN AM	4 JULY-6 JULY 2019

14	VENKADESH S	IV	APPLICATION ORIENTED MATERIALS IN SCIENCE & TECHNOLOGY	EGSPEC NAGAPATTIN AM	4 JULY-6 JULY 2019
15	VAITHEESVARAN S	IV	APPLICATION ORIENTED MATERIALS IN SCIENCE & TECHNOLOGY	EGSPEC NAGAPATTIN AM	4 JULY-6 JULY 2019
16	RAJA V	IV	APPLICATION ORIENTED MATERIALS IN SCIENCE & TECHNOLOGY	EGSPEC NAGAPATTIN AM	4 JULY-6 JULY 2019
17	KALIMUTHU K	IV	APPLICATION ORIENTED MATERIALS IN SCIENCE & TECHNOLOGY	EGSPEC NAGAPATTIN AM	4 JULY-6 JULY 2019
18	CHOZHARAJAN T	IV	APPLICATION ORIENTED MATERIALS IN SCIENCE & TECHNOLOGY	EGSPEC NAGAPATTIN AM	4 JULY-6 JULY 2019
19	DHILEEP R	IV	APPLICATION ORIENTED MATERIALS IN SCIENCE & TECHNOLOGY	EGSPEC NAGAPATTIN AM	4 JULY-6 JULY 2019
20	MUTHU KUMARAN V	IV	APPLICATION ORIENTED MATERIALS IN SCIENCE & TECHNOLOGY	EGSPEC NAGAPATTIN AM	4 JULY-6 JULY 2019
21	PANJU VIJAYAN S	IV	APPLICATION ORIENTED MATERIALS IN SCIENCE & TECHNOLOGY	EGSPEC NAGAPATTIN AM	4 JULY-6 JULY 2019
22	PRASANNA S	IV	APPLICATION ORIENTED MATERIALS IN SCIENCE & TECHNOLOGY	EGSPEC NAGAPATTIN AM	4 JULY-6 JULY 2019
23	PRATHAP S	IV	APPLICATION ORIENTED MATERIALS IN SCIENCE & TECHNOLOGY	EGSPEC NAGAPATTIN AM	4 JULY-6 JULY 2019
24	RADHAKRISHNAN S	IV	APPLICATION ORIENTED MATERIALS IN SCIENCE & TECHNOLOGY	EGSPEC NAGAPATTIN AM	4 JULY-6 JULY 2019

25	RAVIRAJ B	IV	APPLICATION ORIENTED MATERIALS IN SCIENCE & TECHNOLOGY	EGSPEC NAGAPATTINAM	4 JULY-6 JULY 2019
26	SRIDHAR V	IV	APPLICATION ORIENTED MATERIALS IN SCIENCE & TECHNOLOGY	EGSPEC NAGAPATTINAM	4 JULY-6 JULY 2019
27	SUDHARSAN M	IV	APPLICATION ORIENTED MATERIALS IN SCIENCE & TECHNOLOGY	EGSPEC NAGAPATTINAM	4 JULY-6 JULY 2019
28	VELAVAN K	IV	APPLICATION ORIENTED MATERIALS IN SCIENCE & TECHNOLOGY	EGSPEC NAGAPATTINAM	4 JULY-6 JULY 2019
29	YASHIR HASIF H	IV	APPLICATION ORIENTED MATERIALS IN SCIENCE & TECHNOLOGY	EGSPEC NAGAPATTINAM	4 JULY-6 JULY 2019
30	AKASH S	III	ONLINE WEBINAR ON RECENT TRENDS IN IC ENGINES	RATHINAM TECHNICAL CAMPUS,COI MBATORE	29.05.2020
31	ARUL J	III	ONLINE WEBINAR ON RECENT TRENDS IN IC ENGINES	RATHINAM TECHNICAL CAMPUS,COI MBATORE	29.05.2020
32	BALAVIGNESH R	III	ONLINE WEBINAR ON RECENT TRENDS IN IC ENGINES	RATHINAM TECHNICAL CAMPUS,COI MBATORE	29.05.2020
33	DEVARAJ R	III	ONLINE WEBINAR ON RECENT TRENDS IN IC ENGINES	RATHINAM TECHNICAL CAMPUS,COI MBATORE	29.05.2020
34	DHINAKAR R	III	ONLINE WEBINAR ON RECENT TRENDS IN IC ENGINES	RATHINAM TECHNICAL CAMPUS,COI MBATORE	29.05.2020
35	ELAYARAJA V	III	ONLINE WEBINAR ON RECENT TRENDS IN IC ENGINES	RATHINAM TECHNICAL CAMPUS,COI MBATORE	29.05.2020
36	HARIHARASUTHAN K	III	ONLINE WEBINAR ON RECENT TRENDS IN IC ENGINES	RATHINAM TECHNICAL CAMPUS,COI MBATORE	29.05.2020
37	JAYAPRAKASH J	III	ONLINE WEBINAR ON RECENT TRENDS IN IC ENGINES	RATHINAM TECHNICAL CAMPUS,COI MBATORE	29.05.2020

38	MANDRAVANAN V	III	ONLINE WEBINAR ON RECENT TRENDS IN IC ENGINES	RATHINAM TECHNICAL CAMPUS,COI MBATORE	29.05.2020
39	AAFIQ A	II	WEBINAR ON ADVANCEMENT IN AUTOMOTIVE SAFETY AIR BAGS	EGSPEC NAGAPATTINAM	12.05.2020
40	ABISHEK R	II	WEBINAR ON ADVANCEMENT IN AUTOMOTIVE SAFETY AIR BAGS	EGSPEC NAGAPATTINAM	12.05.2020
41	ARIHARAN K	II	WEBINAR ON ADVANCEMENT IN AUTOMOTIVE SAFETY AIR BAGS	EGSPEC NAGAPATTINAM	12.05.2020
42	CHANDRABOSE C	II	WEBINAR ON ADVANCEMENT IN AUTOMOTIVE SAFETY AIR BAGS	EGSPEC NAGAPATTINAM	12.05.2020
43	DINESH BABU T	II	WEBINAR ON ADVANCEMENT IN AUTOMOTIVE SAFETY AIR BAGS	EGSPEC NAGAPATTINAM	12.05.2020
44	AAFIQ A	II	QUIZANTHON – Online Mechanical Quiz	A. V. C. COLLEGE OF ENGINEERING	07.05.2020
45	ARAVINTH D	II	QUIZANTHON – Online Mechanical Quiz	A. V. C. COLLEGE OF ENGINEERING	07.05.2020
46	JAIGANESH R	II	QUIZANTHON – Online Mechanical Quiz	A. V. C. COLLEGE OF ENGINEERING	07.05.2020
47	NAVEEN G	II	QUIZANTHON – Online Mechanical Quiz	A. V. C. COLLEGE OF ENGINEERING	07.05.2020
48	SANTHOSH A	II	QUIZANTHON – Online Mechanical Quiz	A. V. C. COLLEGE OF ENGINEERING	07.05.2020
49	AGILESH R	III	QUIZANTHON – Online Mechanical Quiz	A. V. C. COLLEGE OF ENGINEERING	07.05.2020
50	SELVAGANAPATHI	III	QUIZANTHON – Online Mechanical Quiz	A. V. C. COLLEGE OF ENGINEERING	07.05.2020
51	VIKRAM R	III	QUIZANTHON – Online Mechanical Quiz	A. V. C. COLLEGE OF ENGINEERING	07.05.2020

52	AJEETH B	III	QUIZANTHON – Online Mechanical Quiz	A. V. C. COLLEGE OF ENGINEERIN G	07.05.2020
53	GOKULAKRISHNAN R	II	Transition to Digital World	A. V. C. COLLEGE OF ENGINEERIN G	14.05.2020
54	MUTHARASAN G	II	Transition to Digital World	A. V. C. COLLEGE OF ENGINEERIN G	14.05.2020
55	PRAVEENRAJ T	II	Transition to Digital World	A. V. C. COLLEGE OF ENGINEERIN G	14.05.2020
56	SHANKAR M	II	Transition to Digital World	A. V. C. COLLEGE OF ENGINEERIN G	14.05.2020
57	SURYA S	II	Transition to Digital World	A. V. C. COLLEGE OF ENGINEERIN G	14.05.2020
58	KEERTHIVASAN S	II	Transition to Digital World	A. V. C. COLLEGE OF ENGINEERIN G	14.05.2020
59	ARAVIND A	II	Transition to Digital World	A. V. C. COLLEGE OF ENGINEERIN G	14.05.2020
60	JEGHAN J	II	Transition to Digital World	A. V. C. COLLEGE OF ENGINEERIN G	14.05.2020
61	DIVAKARAN E	III	Transition to Digital World	A. V. C. COLLEGE OF ENGINEERIN G	14.05.2020
62	AKASH C	III	Transition to Digital World	A. V. C. COLLEGE OF ENGINEERIN G	14.05.2020
63	AKASH S	III	Transition to Digital World	A. V. C. COLLEGE OF ENGINEERIN G	14.05.2020
64	JASWANTHKUMAR J	III	MECHQUIZ 2020	K RAMAKRISH NAN COLLEGE OF TECHNOLOG Y	26.05.2020- 28.05.2020
65	JAYACHANDRAN R	III	MECHQUIZ 2020	K RAMAKRISH	26.05.2020- 28.05.2020

				NAN COLLEGE OF TECHNOLOG Y	
66	KAVIYARASAN K	III	MECHQUIZ 2020	K RAMAKRISH NAN COLLEGE OF TECHNOLOG Y	26.05.2020- 28.05.2020
67	KEERTHIVASAN V	III	MECHQUIZ 2020	K RAMAKRISH NAN COLLEGE OF TECHNOLOG Y	26.05.2020- 28.05.2020
68	MATHAVAN T	III	MECHQUIZ 2020	K RAMAKRISH NAN COLLEGE OF TECHNOLOG Y	26.05.2020- 28.05.2020
69	MOHAMED ALI JINNA S	III	MECHQUIZ 2020	K RAMAKRISH NAN COLLEGE OF TECHNOLOG Y	26.05.2020- 28.05.2020
70	NANTHAKUMAR K	III	MECHQUIZ 2020	K RAMAKRISH NAN COLLEGE OF TECHNOLOG Y	26.05.2020- 28.05.2020
71	NAVANEEDHAKRISHNA N M	III	MECHQUIZ 2020	K RAMAKRISH NAN COLLEGE OF TECHNOLOG Y	26.05.2020- 28.05.2020
72	RAJKUMAR R	III	MECHQUIZ 2020	K RAMAKRISH NAN COLLEGE OF TECHNOLOG Y	26.05.2020- 28.05.2020
73	RAKESHSHARMA R	III	MECHQUIZ 2020	K RAMAKRISH NAN COLLEGE OF TECHNOLOG Y	26.05.2020- 28.05.2020
74	SILAMBARASAN R	III	NATIONAL LEVEL E QUIZ	SIR ISSAC NEWTON COLLEGE OF ENGINEERIN G AND	18.05.2020

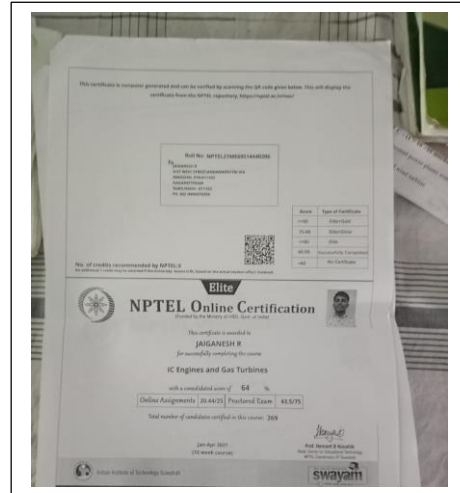
				TECHNOLOG Y	
75	SIVAGURU S	III	NATIONAL LEVEL E QUIZ	SIR ISSAC NEWTON COLLEGE OF ENGINEERIN G AND TECHNOLOG Y	18.05.2020
76	RAGHAVAN R	III	NATIONAL LEVEL E QUIZ	SIR ISSAC NEWTON COLLEGE OF ENGINEERIN G AND TECHNOLOG Y	18.05.2020
77	RAGHUL R	III	NATIONAL LEVEL E QUIZ	SIR ISSAC NEWTON COLLEGE OF ENGINEERIN G AND TECHNOLOG Y	18.05.2020
78	MUTHUVEL M	III	NATIONAL LEVEL E QUIZ	SIR ISSAC NEWTON COLLEGE OF ENGINEERIN G AND TECHNOLOG Y	18.05.2020
79	NANTHAKUMAR.A	III	NATIONAL LEVEL E QUIZ	SIR ISSAC NEWTON COLLEGE OF ENGINEERIN G AND TECHNOLOG Y	18.05.2020
80	MANOJ KUMAR V	III	NATIONAL LEVEL E QUIZ	SIR ISSAC NEWTON COLLEGE OF ENGINEERIN G AND TECHNOLOG Y	18.05.2020
81	MARAN M	III	NATIONAL LEVEL E QUIZ	SIR ISSAC NEWTON COLLEGE OF ENGINEERIN G AND TECHNOLOG Y	18.05.2020
82	JAYACHANDRAN R	III	NATIONAL LEVEL E QUIZ	SIR ISSAC NEWTON COLLEGE OF ENGINEERIN G AND TECHNOLOG Y	18.05.2020

83	JAYAKUMAR V	III	NATIONAL LEVEL E QUIZ	SIR ISSAC NEWTON COLLEGE OF ENGINEERIN G AND TECHNOLOG Y	18.05.2020
84	MATHES KANNA S	II	HYBRID TECHNOLOGY	JAPPIAAR INSTITUTE OF TECHNOLOG Y	21.05.2020
85	MOHAMED ABDUL RAHMAN A	II	HYBRID TECHNOLOGY	JAPPIAAR INSTITUTE OF TECHNOLOG Y	21.05.2020
86	PREMKUMAR C	II	HYBRID TECHNOLOGY	JAPPIAAR INSTITUTE OF TECHNOLOG Y	21.05.2020
87	RAJESH D	II	HYBRID TECHNOLOGY	JAPPIAAR INSTITUTE OF TECHNOLOG Y	21.05.2020
88	MOHAMED IMRAN J	II	HYBRID TECHNOLOGY	JAPPIAAR INSTITUTE OF TECHNOLOG Y	21.05.2020
89	MOHAMED ALIYAR A	II	HYBRID TECHNOLOGY	JAPPIAAR INSTITUTE OF TECHNOLOG Y	21.05.2020
90	DINESH G	II	HYBRID TECHNOLOGY	JAPPIAAR INSTITUTE OF TECHNOLOG Y	21.05.2020
91	DINESHKUMAR S	II	HYBRID TECHNOLOGY	JAPPIAAR INSTITUTE OF TECHNOLOG Y	21.05.2020
92	YOHESWARAN J	II	HYBRID TECHNOLOGY	JAPPIAAR INSTITUTE OF TECHNOLOG Y	21.05.2020
93	ABINASH A	II	HYBRID TECHNOLOGY	JAPPIAAR INSTITUTE OF TECHNOLOG Y	21.05.2020
94	GUGAN M	II	FUTURE OF AUTOMOTIVE TECHNOLOGY	SRI VENKATESW ARAA COLLEGE O TECHNOLOG Y	28.05.2020
95	HARIHARAN S	II	FUTURE OF AUTOMOTIVE TECHNOLOGY	SRI VENKATESW ARAA COLLEGE O	28.05.2020

				TECHNOLOG Y	
96	SURESH CHAKKARAVARTHY K	II	FUTURE OF AUTOMOTIVE TECHNOLOGY	SRI VENKATESW ARAA COLLEGE O TECHNOLOG Y	28.05.2020
97	SURYA S	II	FUTURE OF AUTOMOTIVE TECHNOLOGY	SRI VENKATESW ARAA COLLEGE O TECHNOLOG Y	28.05.2020
98	BARATH L	II	FUTURE OF AUTOMOTIVE TECHNOLOGY	SRI VENKATESW ARAA COLLEGE O TECHNOLOG Y	28.05.2020
99	BHARANIDHARAN V	II	FUTURE OF AUTOMOTIVE TECHNOLOGY	SRI VENKATESW ARAA COLLEGE O TECHNOLOG Y	28.05.2020
100	VISWANATHAN V	II	FUTURE OF AUTOMOTIVE TECHNOLOGY	SRI VENKATESW ARAA COLLEGE O TECHNOLOG Y	28.05.2020
101	YOHESWARAN J	II	FUTURE OF AUTOMOTIVE TECHNOLOGY	SRI VENKATESW ARAA COLLEGE O TECHNOLOG Y	28.05.2020
102	JOTHIRAMAN S	II	FUTURE OF AUTOMOTIVE TECHNOLOGY	SRI VENKATESW ARAA COLLEGE O TECHNOLOG Y	28.05.2020
103	KISHOR D	II	FUTURE OF AUTOMOTIVE TECHNOLOGY	SRI VENKATESW ARAA COLLEGE O TECHNOLOG Y	28.05.2020
104	PRATHEEPRAJ S	II	FUTURE OF AUTOMOTIVE TECHNOLOGY	SRI VENKATESW ARAA COLLEGE O TECHNOLOG Y	28.05.2020



Mr.Dineshbabu from II Mech in speech competition



6. CLUB ACTIVITIES

SL NO	DATE	TITLE	BENEFICIARY	EVENT
1	03/08/2019 17/08/2019	Career and skill development program	Final year mechanical engineering students	Design club program
2	27/07/2019 03/08/2019	Modeling of automobile safety equipments	Third year mechanical engineering students	Automobile club
3	27/07/2019 03/08/2019 17/08/2019	Industrial safety and maintenance	final year mechanical engineering students	Maintenance and safety club
4	27/07/2019	Industrial visit at A.R.R.Pet Industries (Water bottle manufacturing by induction moulding)	Third year mechanical engineering students	Technical visit club
5	07/08/2019	Various advanced laboratories related to Nontraditional machines and Welding in Annamalai university, Chidambaram	Third year mechanical engineering students	Technical visit club
6	03/08/2019	Industrial visit at A.R.R.Pet Industries (Water bottle manufacturing by induction moulding)	Second year mechanical engineering students	Technical visit club
7	17/08/2019	Industrial visit at A.R.R.Pet Industries (Water bottle manufacturing by induction moulding)	Final year mechanical engineering students	Technical visit club
8	27/07/2019 03/08/2019 17/08/2019	Emerging trends in solar energy Quiz program.	Second year mechanical engineering students	Solar energy club

9	17/08/2019	Seminar on "Additive Manufacturing" Hands on training of 3D printing	Third year mechanical engineering students	Materials and Manufacturing Engineering Club
10	17/08/2019	Seminar on "Application of Nano Materials in Engineering" Hands on training of Foundry process	Third year mechanical engineering students	Materials and Manufacturing Engineering Club
11	17/08/2019	One day workshop on "Air Conditioning"	Second year mechanical engineering students	HVAC (Heating Ventilation And Air Conditioning) Club
12	14/09/2019	"Modeling of automobile safety equipments"	Third year mechanical engineering students	Automobile club
13	28/08/2019	"ROBO Project Expo-2019"	Final year mechanical engineering students	Robotics club
14	31/08/2019	Industrial visit at "Mahindra First Choice All Car Service"	Second tear and third year mechanical engineering students	Technical visit club
15	31/08/2019	Hands on training of Foundry process	Second tear and third year mechanical engineering students	Materials and Manufacturing Engineering Club
16	14/09/2019	One day workshop on "Air Conditioning"	Second year mechanical engineering students	HVAC (Heating Ventilation And Air Conditioning) Club
17	14/09/2019	Combined plant visit (SOLAR AND WIND)	Second year mechanical engineering students	Solar energy club



Energy club conducted quiz program titled “emerging trends in solar energy”



Technical visit



HVAC

7.INDUSTRIAL VISIT/IPT/INTERNSHIP

S.NO	TYPE	2019-20
1	INTERNSHIP/INPLANT	13
2	INDUSTRIAL VISIT-1	412
3	INDUSTRIAL VISIT-2	275



8.QUOTES

The economy of human time is the next advantage of machinery in manufactures.

-Charles Babbage

Manufacturing is more than just putting parts together. It's coming up with ideas, testing principles and perfecting the engineering as well as final assembly.

A nation which depends upon others for its new basic scientific knowledge will be slow in its industrial progress and weak in its competitive position in world trade, regardless of its mechanical skill.

-Vannevar Bush

A mechanical engineer is the most accurate and precision people. He designs a product in detail. Opposite of mechanical engineer, the subsurface engineer always bring a pencil on his right hand and an eraser on the left hand. He just make a design or estimation and then he erases it.”

-Anonymous.

“Perfection is achieved, not when there is nothing more to add, but when there is nothing left to take away.”

- Antoine de Saint-Exupery

Environmental pollution is an incurable disease. It can only be prevented.

- Barry Commoner

CAPTIONS

Casting the world, Forging the campus, Shaping the universe, Welding the rest of all branches, Bcoz, We are the Men, We are the machine, and we are Mechanical Engineers

Prepared by

**C.VENKATESH
I-MECH**

9.TAMIL PAKKAM

உனகாக வாழ் மனமே

உன்னையே தளர்த்துகொள்ளாதே என் மனமே.

மகிழ்வோடு மலர்வாய் தினமே.

தோல்விகள் தரும் அவ்வப்போது ரனமே.

தளராமல் தள்ளிவருவாய் அதில் இருந்து அக்கனமே.

நிராகரித்தவர்களை நீ நினைக்காதே

உன்னையே நினைத்து இருப்போரை என்றும் மறக்காதே.

பலர் சொல்வதைக் கேள் ஆனால் உன்னை மட்டும் நீ நம்பு.

முதலில் உன்னை நீ நேசி , பிறகு உன் நிலையை பற்றி யோசி.

பிறர் சொல்லுக்கு பயந்து வாழ்ந்தாள் உன்னுடனே வாழ்ந்தவனை இழப்பாய்

அவனே ஆனந்தம்....

தனிமையே உனகான பெரிய துணை

வாழ்க்கையை கற்பிக்க அவனுக்கு இல்லை வேறு இணை..

ஆராத காயங்கள் இல்லை

மாறாத மனிதர்களும் இல்லை,

இன்பம் இல்லா வாழ்க்கை இல்லை

துன்பம் கடந்து செல்லா வாழ்க்கையே இல்லை.

எனவே....

வாழும் ஒவ்வொரு நிமிடமும் நீ உனகாக வாழ்.

- இ. வெங்கடேஷ்

II-MECH

தந்தை

உன் பார்வைபோல் யாரும்

என்னைதாக்கிடவில்லை

உன் வார்த்தைபோல் யாரும்

என்னோடுபேசிடவில்லை

உன் காதல் போல் யாரும்

எனக்குள் வந்ததுமில்லை

பா. சிவகணேஷ்

IV-MECH

கல்வி

உன் நிலைஉயர்ந்திட

ஊர் புகழ் உண்ணைசேர

உப்பிட்டவருக்கு உன் மதிப்பு பெருகிட

பெற்றெருத் தோருக்குபெருமைகள் சேர

பேறழிவாமும் அழியாதச் செல்வமாயும்

உன் பேரறிவாற்றலால் பொருமைகள் பெருக

உறுதுணையாகஉன்னிம் இருப்பதும்

விடாமுயற்சியில் நீகற்பித்த 'கல்வி' தான்உன்னைஉயரசெய்யும் பாதை...ஸ்ரீ

மோ. சுதீஷ்குமார்.

IV-MECH

10.Creativity

