



SANKAR POLYTECHNIC COLLEGE
(AUTONOMOUS)
SANKAR NAGAR, TIRUNELVELI-627357

DEPARTMENT OF MECHANICAL ENGINEERING
TECHNICAL MAGAZINE
2023-2024

Principal's Message:

With great pleasure, I announce the publication of the annual departmental magazine from Sankar Polytechnic College's Department of Mechanical Engineering. "Learning is a continuous process from the minute we are born, until we die." With the use of magazines, Sankar Polytechnic College gives each student a platform to improve his learning abilities. The significant milestones our College has reached this year will become clear to you as you scroll through the contents. Also, the creative expression of our emerging talents' ideas, thoughts, feelings, aspirations, and convictions has been demonstrated. This publication ought to be a useful resource for instructors and upcoming students looking for advice on what to do to further their careers. I give the Mechanical Engineering Department's head, both teaching and non-teaching staff, editorial board, and students credit for producing this version of the magazine, 2023–2024. Best wishes for you.

Administrative officer's Message:

Our society is reflected in the mirror of our educational system. The technological world of today is growing at the speed of thought and has created a plethora of excellent possibilities. The ability to create new ideas and see past the apparent is enhanced by perfection and quality in the educational sector, which is essential for success in the technological age we live in today. The institute's main goal is to develop energetic, youthful students into professionally trained technocrats who are prepared to take on societal concerns. Our goal was to increase personnel in order to advance the nation. I hope that every student has an extremely bright future and a successful, energetic existence.

HOD's Message

It gives me great pleasure to present this edition of our Mechanical Engineering Department magazine. It reflects the hard work, creativity, and practical skills of our diploma students and faculty. Throughout the year, our department has focused on hands-on learning, industry exposure, and skill development to prepare students for real-world challenges. This magazine captures their achievements, projects, and ideas. I congratulate the editorial team and all contributors for their efforts and wish everyone continued success in their future endeavors.

Department Vision:

To be a distinguished department that develops industry-ready mechanical engineers, successful entrepreneurs who embody the pride of nation through exceptional skills, quality and innovation.

Department Mission:

- To equip students with advanced technical skills and industry knowledge by improving the curriculum, collaborating with industries, and connecting with alumni.
- To foster entrepreneurship and innovation by encouraging interdisciplinary projects and hands-on problem-solving.
- To promote ethical practices and excellence to develop professionals who contribute to the Nation's progress and pride.

Statement of PSOs

PSO1: Apply core mechanical engineering knowledge and advanced skills in design, analysis, simulation, and manufacturing to develop innovative, efficient and sustainable solutions for real-world challenges.

PSO2: Cultivate an entrepreneurial mindset, uphold ethical standards, and leverage innovative skills to drive technological advancement and support the nation's growth.

Editorial Board:

Chief Editor : Mr. S.Chellappa, HOD/MECH

Faculty Editors : Mr. R. Sundhara Vadivel, Lect/MECH
Dr. M. Ponrajan Vikram, Lect/MECH

Student Editors : S.V.Prawin
M.Siva Balan

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FACULTY PARTICIPATIONS

Mr.S.Chellappa HOD/MECH

Programmes attended	Venue	Duration
FDP on “Teaching applied mathematics I & II using GEOGEBRA Software	Sankar Polytechnic College, Sankarnagar	18/03/2024 to 19/03/2024 (2 Day)
FDP on “NBA Accreditation Awareness”	Sankar Polytechnic College, Sankarnagar	02/06/2023 (1 Day)
FDP on “Smart Manufacturing”	NITTTR, Chennai (Online mode)	03/07/2023 to
FDP on “Trends & Challenges in the Development of Electric Vehicles & Hybrid Electric Vehicles”	Lendi Institute of Engg. & Tech. ,Andhra Pradesh	11/07/2023 to 15/07/2023 (1 Week)
FDP on “Research Tools”	Easwari Engineering College	03/07/2023 to 14/07/2023 (2 Weeks)

Mr.S.Murugan Lect/MECH

FDP on “NBA Accreditation Awareness”	Sankar Polytechnic College, Sankarnagar	02/06/2023 (1 Day)
FDP on “Advances in Heat Treatment & Material Processing”	NITTTR, Chennai (Online mode)	12/06/2023 to 16/06/2023 (1 Week)
FDP on “Smart Manufacturing”	NITTTR, Chennai (Online mode)	03/07/2023 to 07/07/2023 (1 Week)

Mr.R.Sundhara Vadivel Lect/MECH

FDP on “NBA Accreditation Awareness”	Sankar Polytechnic College, Sankarnagar	02/06/2023 (1 Day)
FDP on “Non Traditional Machining”	NITTTR, Chennai (Online mode)	18/12/2023 to 22/12/2023 (20 Hrs)
Industrial Training	India Cement, Sankar Nagar	10.05.2024 to 30.05.2024

Dr. M.Ponrajan Vikram Lect/MECH

FDP on "Applied Mathematics -I & II Using GeoGebra Software"	Sankar Polytechnic College, Sankar Nagar.	18.03.2024 to 19.03.2024
Industrial Training	India Cement, Sankar Nagar	10.05.2024 to 30.05.2024

Mr.B.Selvasundaram , Lect/MECH

FDP on "Teaching applied mathematics I & II using GEOGEBRA Software"	Sankar Polytechnic College, Sankarnagar	18/03/2024 to 19/03/2024 (2 Day)
National level FDP on Aiming towards 3D's in Electrical Engineering	Mahatma Gandhi institute of technology, Hyderabad	11/03/2024 to 15/03/2024 (1 Week)
FDP on "Design of RCC and Steel Structures"	NITTTR, Chennai (Online mode)	04/03/2024 to 08/03/2023 (20 Hrs)
FDP on "CFD SIMULATION USING ANSYS FLUENT"	Sakthi Polytechnic college, Erode	27/02/2024 to 29/02/2024
Workshop on "Entrepreneurship Skill, Attitude and Behaviour Development"	Vel Tech & Murugappa polytechnic college Chennai	17/02/2024
FDP on "Internet of Things"	NITTTR, Chennai (Online mode)	12/02/2024 to 16/02/2024 (20 Hrs)
FDP on "Non Traditional Machining"	NITTTR, Chennai (Online mode)	18/12/2023 to 22/12/2023 (20 Hrs)
FDP on "ANSYS FLUENT FOR BEGINNERS"	Sakthi Polytechnic college, Erode	25/07/2023 to 27/07/2023
National level FDP on "Recent Trends in Green Energy Initiatives"	Mahatma Gandhi institute of technology, Hyderabad	11/07/2023 to 15/07/2023 (1 Week)
FDP on "Patent Drafting & Filing"	Bharathiyar Institute of Engineering for Women, Salem	28/06/2023 (1 Day)
FDP on "Advances in Casting & Manufacturing"	NITTTR, Chennai (Online mode)	05/06/2023 to 09/06/2023 (20 Hrs)
Seminar on "clean Environment And Human Health"	Vellore Institute of Technology,(VIT) Vellore	05/06/2023
FDP on "NBA Accreditation Awareness"	Sankar Polytechnic College, Sankarnagar	02/06/2023 (1 Day)

FDP on “Renewable Energy Sources”	Mohamed Sathak Polytechnic College, Kilakarai	15/05/2023 to 19/05/2023 (1 Week)
FDP on “Nano Technology and Applications”	NITTTR, Chennai (Online mode)	17/04/2023 to 21/04/2023 (20 Hrs)
FDP on “PLC and SCADA”	NITTTR, Chennai (Online mode)	27/03/2023 to 31/03/2023 (20 Hrs)
National level workshop on “ Intelligent microgrid and Distributed generation”	Sreenivasa institute of Technology and management studies, chittoor	07/03/2023
FDP on “Advances in welding and Manufacturing”	NITTTR, Chennai (Online mode)	27/02/2023 to 03/03/2023 (20 Hrs)

Mr. S.Rajeshwaran Lect/MECH

FDP on “NBA Accreditation Awareness”	Sankar Polytechnic College, Sankarnagar	02/06/2023 (1 Day)
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Mr. M. Mohamed Farook Lect/MECH

FDP on “NBA Accreditation Awareness”	Sankar Polytechnic College, Sankarnagar	02/06/2023 (1 Day)
Industrial Training	India Cement, Sankar Nagar	10.05.2024 to 30.05.2024

Mr. R. Sathish Krishnan Lect/MECH

FDP on “NBA Accreditation Awareness”	Sankar Polytechnic College, Sankarnagar	02/06/2023 (1 Day)
FDP on “INDUSTRY 4.0”	Government Polytechnic College, Nagercoil	24/07/2023 to 28/07/2023 (5 Days)

Mr.P. Muppudathi Lect/MECH

FDP on “NBA Accreditation Awareness”	Sankar Polytechnic College, Sankarnagar	02/06/2023 (1 Day)
National level Workshop on “Blended Learning and Tools for Effective Teaching”	G.Venkataswamy Naidu College , Kovilpatti	23/01/2024 to 24/01/2024 (2 Days)

Mr.V.Ramesh Prabu, Lect/MECH

NBA Accreditation Awareness Program	Sankar Polytechnic College, Sankar Nagar.	02.06.2023
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Mrs. P.Kamala, Lect/Chemistry

FDP on "NBA Accreditation Awareness"	Sankar Polytechnic College, Sankarnagar	02/06/2023 (1 Day)
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Mr.S.Balamurugan, Lect/English

FDP on "NBA Accreditation Awareness"	Sankar Polytechnic College, Sankarnagar	02/06/2023 (1 Day)
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Mr.T.Madasamy, Workshop Instructor/MECH

Implementation of Naljal Mithra Program	Government Polytechnic College, Nagercoil	28/12/2023 to 29/12/2023 (2 Days)
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Mr.T.Harihara Subramanian, Workshop Instructor/MECH

Implementation of Naljal Mithra Program	Government Polytechnic College, Nagercoil	28/12/2023 to 29/12/2023 (2 Days)
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MECHANICAL ENGINEERING ASSOCIATION ACTIVITIES**Faculty Development Program on Teaching Applied Mathematics - I & II using Geogebra Software**

Date : 18.03.2024 & 19.03.2024

Time : 9.30 AM to 4.30 PM

A two-day Faculty Development Training Program on '**Teaching Applied Mathematics-I & II using GEOGEBRA Software**' was conducted at our institution on March 18, 2024, and March 19, 2024. The program was sponsored by **DOTE - SPCU** and organized by the **Department of Mechanical Engineering, Sankar Polytechnic College, Sankarnagar, Tirunelveli**. Mathematics staff members from various Polytechnic Colleges in the Tirunelveli region participated in this program. The information about the program was sent through email, and the participants were informed to register through a Google form.

On March 18, 2024, the FDP commenced with the registration of participants followed by the inaugural function. Thiru. S. Chellappa, HoD in Mechanical Engineering, welcomed the gathering. The keynote address for the FDP was given by Dr. A. Sankara Subramanian, Principal. He highlighted that the subject importance to understand at all levels of education is Mathematics. The lighting of kuthuvizhaku was started by Dr. A. Sankara Subramanian, Principal, followed by Mr.Sreenivasan, Administrative Officer, Mr. Saravanan I, HOD-EEE, Mr.S. Ramesh, HOD-C.S.E, Mr. A. Nasir Ahamad, HOD-ECE, Dr. S. Ganesan (Resource Person), and Mr. K. Kumaravelu (Resource Person).



Dr. A. Sankara Subramanian, Principal of Sankar Polytechnic College, emphasized the importance of Mathematics in Engineering in day-to-day life. He also mentioned that students' mathematical abilities can be improved by learning mathematics using GeoGebra Software. Dr. S. Ganesan, Faculty Anchor, GeoGebra Ambassador, Lecturer in Mathematics at Government Polytechnic College, Karur District, explained how the GEOGEBRA Software improves the quality of mathematics, particularly in exploring, visualizing, and constructing mathematical concepts.

Mr. K. Kumaravelu, GEOGEBRA Ambassador, Domain Expert, Post Graduate Teacher in Mathematics at Government Higher Secondary School, Kannivadi, Tirupur District, emphasized that the GEOGEBRA software enables students to understand geometry, calculus, and algebra in different ways. Staff members are also able to experience a hands-on method of learning which has a positive effect on enabling them to understand the concepts better rather than just being passive learners.

On day 1, the first session was handled by Mr. K. Kumaravelu with the introduction of basics of GeoGebra software followed by Hands-on training for the participants in Applet Creation and Demonstration of Mathematical Content in Applied Mathematics-1 by both the resource persons, Mr. K. Kumaravelu, and Dr. S. Ganesan. On day 2, in all the sessions, hands-on training was given to the participants in Applet Creation and Demonstration of Mathematical Content in Applied Mathematics.

In the Valedictory Function, Thiru. Ganesan, Head Master of Sankar Higher Secondary School, Sankarnagar, was invited as the chief guest. Three participants came forward and shared their experience in learning GeoGebra software, and the feedback form about the training programs was collected from all participants. Dr. M. Ponrajan Vikram, Lecturer in Mechanical Engineering at Sankar Polytechnic College, proposed the vote of thanks.

SEMINAR ON INDUSTRIAL SAFETY AND EHS POLICY:

On 12/02/2024, a seminar on Industrial Safety & EHS (Environment, Health, and Safety) Policies was conducted by Mr. S. Balasubramanian, Industrial Safety Manager, Tamil Nadu Industrial Safety. The session emphasized the importance of workplace safety, risk management, and compliance with EHS regulations. Mr. Balasubramanian provided valuable insights into safety protocols, hazard identification, and emergency preparedness to ensure a secure industrial environment. The seminar enhanced awareness among participants about best safety practices, fostering a culture of responsibility and precaution in industrial operations.


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 DEPARTMENT OF MECHANICAL ENGINEERING

**TECHNICAL SEMINAR ON INDUSTRIAL
 SAFETY AND EHS POLICY.**



- Mr.S.BALASUBRAMANIAN
Date : 12-02-2024
Place : Communication Lab, SPC



TECHNICAL SEMINAR ON RENEWABLE ENERGY RESOURCES:

On 07/09/2023, a Technical Seminar on Renewable Energy Resources was conducted, featuring Dr. N. Murugan, Deputy General Manager, BHEL, as the keynote speaker. The session provided valuable insights into the latest advancements in renewable energy technologies, emphasizing their significance in sustainable development. Dr. Murugan elaborated on various energy sources, including solar, wind, and biomass, highlighting their potential to reduce carbon footprints and enhance energy security. The seminar was highly informative and encouraged participants to explore innovative solutions for a greener future.



PAPER PRESENTATION COMPETITION:

On 27/07/2023, the Mechanical Engineering Association of Sankar Polytechnic College organized a Paper Presentation Competition at the Process Automation Lab. The event was graced by Dr. A. Sankara Subramanian, Principal, and judged by an esteemed panel, including Mr. S. Chellappa, HoD/Mechanical Engineering, and Dr. V. Janakiraman, Former Professor of Mechanical Engineering at Einstein College of Engineering. The competition provided a platform for students to showcase their technical knowledge and presentation skills, fostering innovation and academic excellence.



INDUSTRIAL VISIT

The Department of Mechanical Engineering organized a series of industrial visits during the academic year 2023–2024 to provide practical exposure and real-world insights to our final-year diploma students. These visits aimed to bridge the gap between theoretical knowledge and industrial practices, enhancing students' understanding of engineering applications, operations, and technologies used in various sectors. Below is a summary of the visits:

S.No	Faculty Coordinators	Class	Industry Name and Address	Date of Visit
1	Mr.R.Sundhara Vadivel Mr. A.C.V.Sivasailam Mr.S.Murugan	III YR-B	THOOTHUKUDI THERMAL POWER STATION, TUTICORIN	28.07.2023
2	Mr.S.Chellappa Mr.C.Murugan Mr.A.C.V.Sivasailam	III YR- A & B	ZF COMMERCIAL VEHICLE INDIA LTD, CHENNAI	04.08.2023
3	Mr.S.Chellappa Mr.C.Murugan Mr.A.C.V.Sivasailam	III YR-A & B	L&T RAILWAY INFRASTRUCTURES PVT LTD, CHENNAI	04.08.2023
4	Mr.S.Chellappa Mr.C.Murugan Mr.A.C.V.Sivasailam	III YR-A & B	SUNDARAM FASTENERS PVT LTD, CHENNAI	04.08.2023
5	Mr.S.Chellappa Mr.C.Murugan Mr.A.C.V.Sivasailam	III YR - A & B	MANDO AUTOMOTIVE INDIA LTD, CHENNAI	05.08.2023
6	Mr.S.Chellappa Mr.C.Murugan Mr.A.C.V.Sivasailam	III YR- A & B	KYB MOTORCYCLE SUSPENSION INDIA LTD, CHENNAI	05.08.2023
7	Mr. M.Mohamed Farook Mr. Raja Vinoth Mr. V.Ramesh Prabu	III YR-A	THOOTHUKUDI THERMAL POWER STATION, TUTICORIN	11.08.2023
8	Mr.S.Selvaraj Mr.S.Murugan Mr.R.Sundhara Vadivel Mr.B.Selvasundaram Mr. V.Ramesh Prabu	III YR- A & B	ISRO-IPRC, MAHENDRAGIRI	23.01.2024

These visits provided valuable exposure to the functioning of thermal power generation, automotive component manufacturing, suspension systems, railway infrastructure, and aerospace propulsion facilities. The students interacted with industry professionals and observed the practical implementation of engineering concepts, safety standards, and quality control practices.



INPLANT TRAINING

S. No	Name of the Student	Name of the Industry	Class	Training Duration		
				From date	End date	Duration
1	K.Selva Vigneshwaran	Susee Engineering and Automobiles Private Limited, Tirunelveli	II YR-A	20.11.2023	25.11.2023	6 Days
2	M.Sheik Mohammed	TVS Sri Krishna Autos, Tirunelveli	II YR-A	26.04.2024	02.05.2024	7 Days
3	K.Selva Vigneshwaran	TVS Sri Krishna Autos, Tirunelveli	II YR-A	26.04.2024	02.05.2024	7 Days
4	M.Siva Balan	TVS Sri Krishna Autos, Tirunelveli	II YR-A	26.04.2024	02.05.2024	7 Days
5	A.Arun Kumar	TVS Sri Krishna Autos, Tirunelveli	II YR-A	26.04.2024	02.05.2024	7 Days

WORKSHOP AND PROJECT COMPETITIONS

DATE	NAME	PROGRAMME ATTENDED	ORGANISED BY	ACHIEVEMENT
11.07.2023 TO 12.07.2023	K.SELVA VIGNESHWARAN	Cycle Design Challenge Workshop	Kamaraj College of Engineering and Technology, Virudhunagar	PARTICIPATED
18.07.2023	S.SOORYA	Design Workshop	CADD Centre, Tirunelveli	PARTICIPATED
22.02.2024	S.SOORYA	Innovative Project Contest	Francis Xavier Engineering College, Tirunelveli	PARTICIPATED
22.02.2024	K. GILSON BEER MOHAMED	Innovative Project Contest	Francis Xavier Engineering College, Tirunelveli	PARTICIPATED
22.02.2024	K.S.AUTHINATHAN	Innovative Project Contest	Francis Xavier Engineering College, Tirunelveli	PARTICIPATED

EXTRA CURRICULAR ACHIEVEMENTS

DATE	NAME	PROGRAMME ATTENDED	ORGANISED BY	ACHIEVEMENT
27.07.2023	K. GILSON BEER MOHAMED	Paper Presentation	Sankar Polytechnic College, Sankarnagar	SECOND
27.07.2023	K.S.AUTHINATHAN	Paper Presentation	Sankar Polytechnic College, Sankarnagar	FIRST
09.08.2023	K. GILSON BEER MOHAMED	Paper Presentation, Quiz	PSN institute of Technology and Science	PARTICIPATED
09.08.2023	K.S.AUTHINATHAN	Paper Presentation, Quiz, Connection, Mobile Photography	PSN institute of Technology and Science	PARTICIPATED
26.08.2023	K.S.AUTHINATHAN	Paper Presentation	Kongunadu College of Engineering & Technology, Trichy	PARTICIPATED
08.01.2024 TO 13.01.2024	M.SHEIK MOHAMMED	Online Soft Skills Training on Interview Readiness	IIT Madras, NPTEL	PARTICIPATED
23.02.2024	K.S.AUTHINATHAN	Paper Presentation	St.Mother Theresa Engineering College, Tuticorin	FIRST
23.02.2024	K.S.AUTHINATHAN	Connection	St.Mother Theresa Engineering College, Tuticorin	SECOND
23.02.2024	K. GILSON BEER MOHAMED	Paper Presentation	St.Mother Theresa Engineering College, Tuticorin	PARTICIPATED
23.02.2024	K. GILSON BEER MOHAMED	Connection	St.Mother Theresa Engineering College, Tuticorin	FIRST
23.02.2024	K. GILSON BEER MOHAMED	Quiz	St.Mother Theresa Engineering College, Tuticorin	SECOND
02.03.2024	M.SHEIK MOHAMMED	Online Quiz	St.Xaviers College (Autonomous), Tirunelveli	PARTICIPATED

PLACEMENT

70 students of our department have placed in a reputed companies.

11 of our students have gone for higher education.

TOPPERS



SANKAR POLYTECHNIC COLLEGE

(GOVT AIDED AUTONOMOUS INSTITUTION ESTD 1958)

SANKARNAGAR - 627357, TIRUNELVELI

MECHANICAL ENGINEERING SEMESTER IV (2023 - 24) TOP SCORER



K. SELVA VIGNESHWARAN

698/700



M. SHEIK MOHAMMED

685/700



M. ASWIN

685/700



A. NIKKINSON

665/700

ACHIEVEMENT IN SPORTS

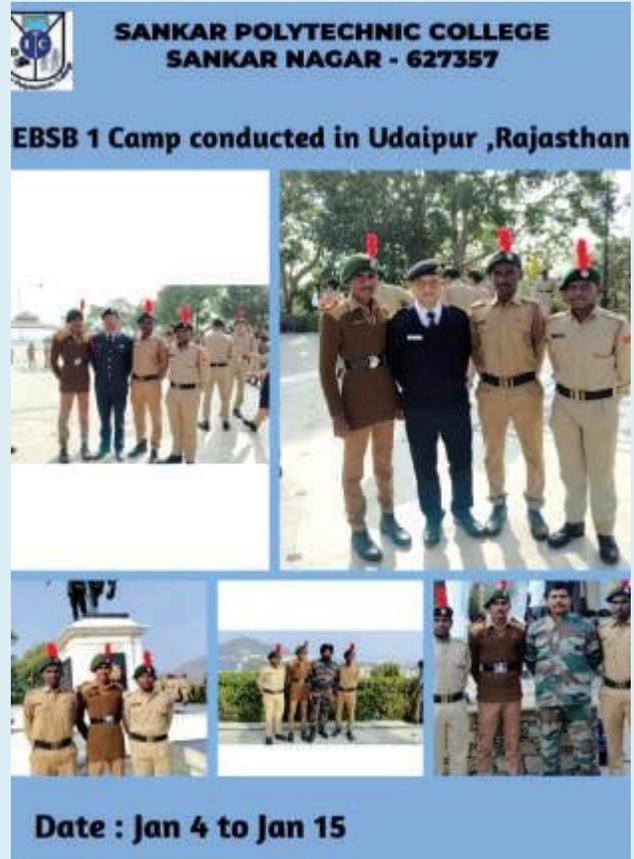
Sports and games play a crucial role in the holistic development of students, contributing not only to their physical well-being but also to their mental resilience and overall healthy lifestyle. In higher education, the significance of sports extends far beyond mere competition or physical activity-it encompasses values such as discipline, teamwork, leadership, and perseverance, all of which are essential for personal and national development. At our institute, we provide ample opportunities for students to engage, learn, and excel in various sports disciplines within an inclusive and encouraging environment that nurtures both talent and character.

S.No	Date	Student Name	Event Name	Venue	Level	Prize
1	26.09.2023	M. IYYAPPAN	CARROM (IPAA DIVISIONAL TOURNAMENT)	Sankar Polytechnic College, Sankarnagar	Divisional	FIRST
2	23.01.2024 TO 24.01.2024	M. IYYAPPAN	CARROM (IPAA STATE TOURNAMENT)	PSG Polytechnic College	State	RUNNER
3	23.01.2024 TO 24.01.2024	LAKSHMANAPERUMAL	CARROM (IPAA STATE TOURNAMENT)	PSG Polytechnic College	State	RUNNER



NSS/NCC

NSS programme should provide a variety of learning experiences which must develop a sense of participation, service and achievement among the volunteers. NCC stands for National Cadet Corps, a training program. NCC offers the platform to the students so that they could check their abilities to join the Indian Defence Services. 12 students from Mechanical Engineering department have enrolled in NSS Senior Division Army Wing as NCC Cadets.



ARTICLES AND DRAWINGS

Apollo11 Mission: A Gaint Leap for a Man Kind

Sheik Mohammed.M

III Year Mechanical Department



Over Review

Launch and Flight

Apollo 11, launched on July 16, 1969, was a historic mission that successfully landed humans on the Moon. Astronauts Neil Armstrong, Buzz Aldrin, and Michael Collins bravely embarked on this journey. On July 20, Armstrong became the first person to set foot on the lunar surface, famously declaring, "That's one small step for man, one giant leap for mankind." The mission marked a ground breaking achievement in space exploration, fulfilling President John F. Kennedy's ambitious goal. It paved the way for future space travel.

Image source: <https://www.nasa.gov>

Apollo 11 launched on July 16, 1969, from Kennedy Space Center. The powerful Saturn V rocket lifted off at 9:32 AM, carrying astronauts Neil Armstrong, Buzz Aldrin, and Michael Collins into space. The spacecraft traveled 240,000 miles to the Moon over four days, entering lunar orbit on July 19. The Eagle lunar module separated from the command module, and Armstrong took control for the historic lunar landing on July 20.

Image source: <https://www.nasa.gov>



Lunar landing



On July 20, 1969, the Eagle Lunar Module landed on the Moon's surface in the Sea of Tranquility. Neil Armstrong took manual control, adjusting the landing site to avoid boulders. At 20:17UTC, Eagle touched down, sending back "Houston, Tranquility Base here. The Eagle has landed." Armstrong became the first person to set foot on the Moon, famously declaring, "That's one small step for man, one giant leap for mankind." Buzz Aldrin joined Armstrong shortly afterwards.

Image source: <https://www.nasa.gov>



Scientific Experiments

Image source: <https://www.nasa.gov>

These experiments helped scientists better understand the moon's composition, geology, and atmosphere, providing valuable insights into the moon's origin and evolution. The data collected by Apollo 11 continues to contribute to ongoing lunar research.

Challenges and solutions of mission: Challenges

Apollo11faced numerous challenges during its historic mission. One of the most critical issues was a computer error that occurred during the lunar module's descent. The error caused the computer to become overloaded, leading to a series of

alarm messages. Additionally, the lunar module's fuel levels were lower than expected, and the altitude and velocity readings were not matching up.

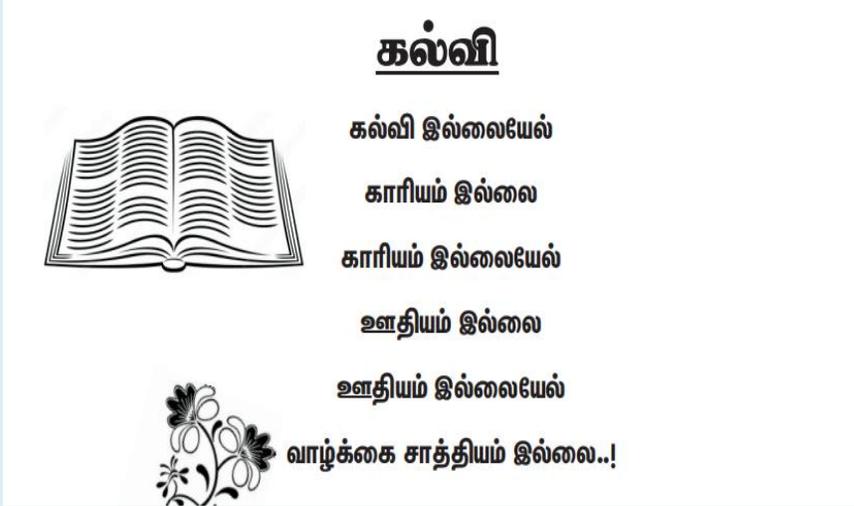
Solutions

Image source: <https://www.nasa.gov>

Despite these challenges, the astronauts and mission control team worked together to find solutions. They quickly rebooted the computer, which resolved the error. The team also adjusted the lunar module's trajectory to ensure a safe landing. By making precise calculations, the astronauts were able to successfully land on the Moon's surface.

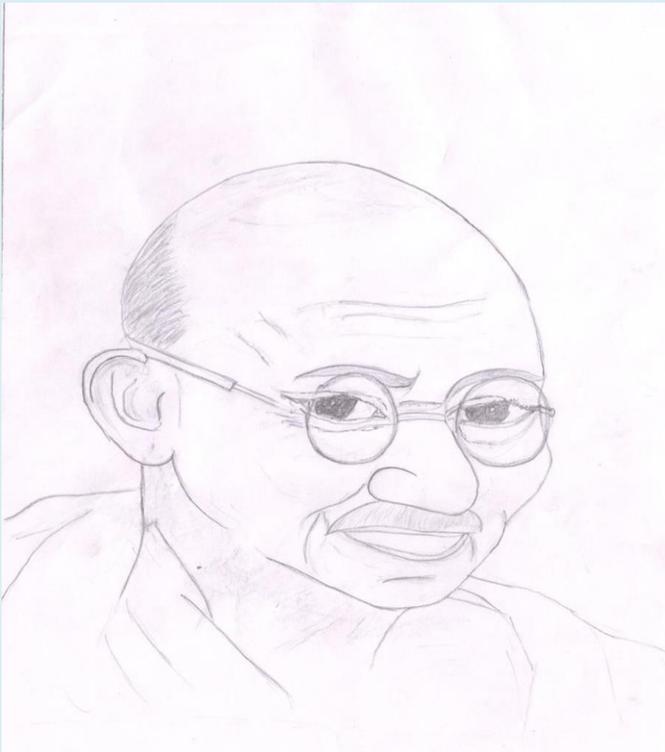
K.S.AUTHINATHAN

III-YEAR MECHANICAL

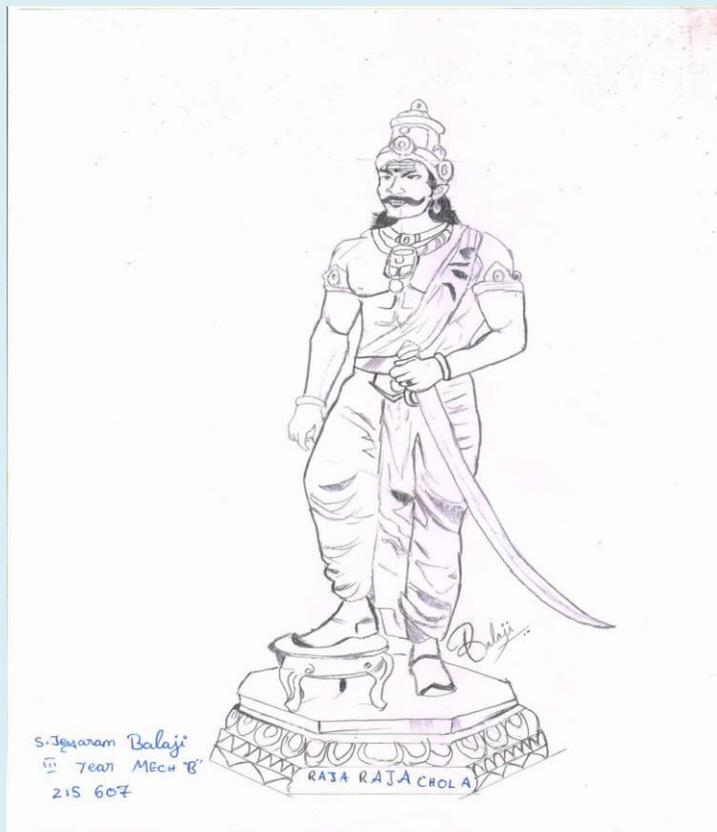


K.SUDALAI VEL

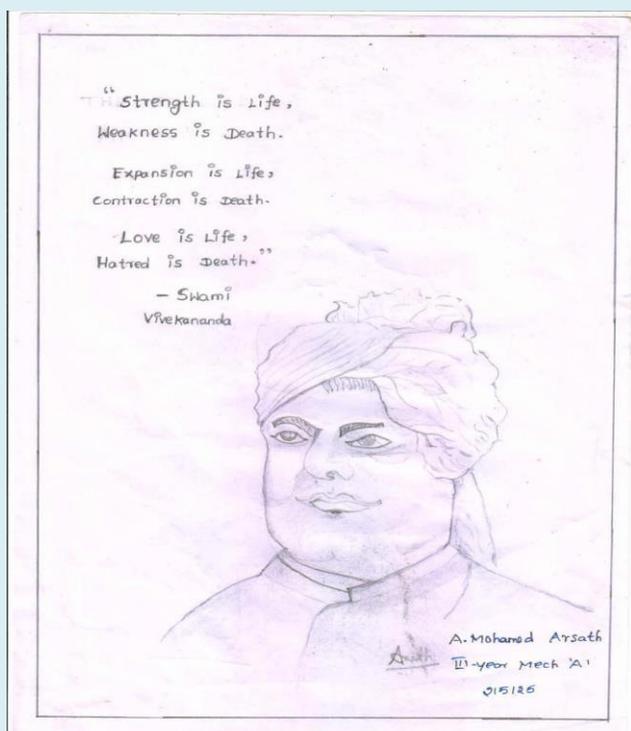
III-YEAR MECHANICAL



S.JEYARAM BALAJI
III-YEAR MECHANICAL



A.MOHAMED ARSHATH
III-YEAR MECHANICAL



K.GILSON BEER MOHAMED

III-YEAR MECHANICAL

SELF MOTIVATION

In a world of self-motivation's call, I'll craft a poem to inspire us all, with words that flow and meanings clear,
To ignite the spark, dispel any fear. When you feel low and hope feels far,
Remember, my friend, you're a shining star, Within your heart, there's strength untold, Unleash your power,
be brave and bold.

In every challenge, an opportunity lies, Embrace the moment, reach for the skies, Believe in yourself, for you
are strong, you Have the courage to right any wrong.

When dark clouds gather, blocking the light, Seek the fire within, it's burning bright, Draw from your core,
let passion rise, And Overcome obstacles of any size.

Have faith in your dreams, let them guide, Through rough waters, they'll be your tide, Trust in your abilities,
take the lead, With Determination, you'll surely succeed.

In moments of doubt, when confidence shakes, Remember your worth, no matter what it takes, Unleash the
power deep inside your soul,

And let self-motivation take control.

For self-motivation is a timeless friend, It helps you triumph, it helps you mend, Embrace its force, let
it drive you ahead,

In your own journey, be the best you can tread.

So seize the day with hope in your sight, Let self-belief be your guiding light,
With every step, you'll reach new heights, Embrace self-motivation, it ignites.

Take these words, hold them dear, Let them inspire and banish any fear,
You have the strength, you hold the key, To unlock the door to your destiny.

In simple English, this message I send, May self-motivation be your lifelong trend, Believe in yourself, let
your spirit soar, With self-motivation, you'll achieve even more.