

IGNITE 2023



A DAILY NEWSLETTER

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PLACEMENT NEWS

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CORE PLACEMENTS
COUNSELING CODE **1316**

2024 Batch

3 LPA

6 Offers

Shiran Engineering
SHIRAN ENGINEERING PVT LTD

Final-year students from the Department of Mechanical, Mechatronics, and Mechanical Automation were placed at Shiran Engineering Services Pvt. Ltd. as Design and Application Engineers with a CTC of 3 LPA.

Congratulations !!!!!!!!!!!!!

Shiran Company focuses on custom tool and automation engineering services, machine building manufacturing, digital industry software solutions, and manufacturing operations management solutions.

Congratulations to the students

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STUDENT ACHIEVEMENT



Course Completion Certificate

ANANDHAN D

has successfully completed **100%** of the self-paced training course

Image Processing Onramp



DIRECTOR, TRAINING SERVICES

10 September 2023



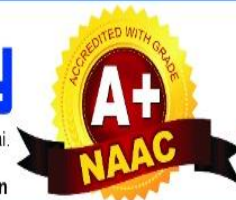
Mr. Anandhan D, IV year student, Department of Mechanical Engineering, has successfully completed the “**MATLAB**”, course at MathWorks Training Services, Chennai, on 10th Sep’ 2023.

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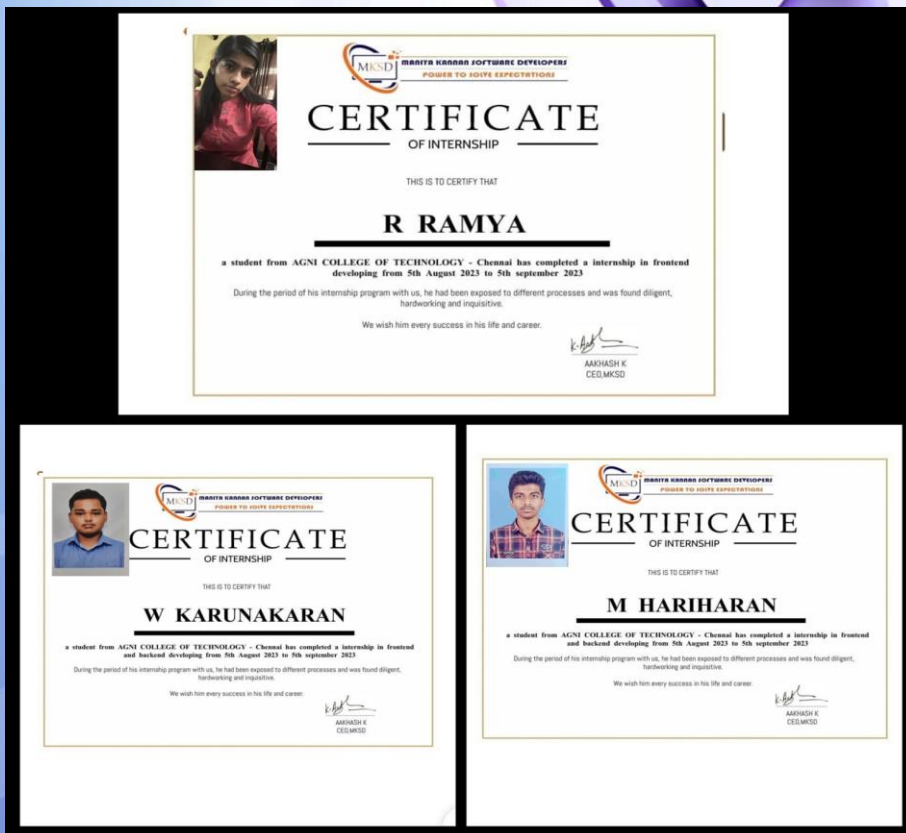


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STUDENT PARTICIPATION



Ramya R, Karunakaran W, Hariharan M, IV year and III year students of the Department of Computer Science and Engineering have completed an internship in “**Frontend and backend development**” organized by MKSD from 5th August to 5th September 2023.

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STUDENT PARTICIPATION



Saikirupa, Ramya M, Ezhil Raj J, Rohan Bernard , IVth year and IIIrd year students of the Department of Computer Science and Engineering has completed an internship in “Frontend and backend development” organized by MKSD from 5th August to 5th September 2023.

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FACULTY PARTICIPATION



Dr. K. RAGUPATHY, Department of Mechanical and Automation Engineering, has participated in the one week workshop on **"TAMAZHI (Tamil Bhrami) Inscription Reading & Writing"** organized by Institution of Engineers (India) on August 21st to 26th, 2023.

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FACULTY PARTICIPATION



Mrs. D. Selvamari Lakshmi, Assistant Professor, Department of Mechatronics Engineering has attended two weeks international virtual faculty development programme on **Innovative Research Opportunities and Applications on Data Science in the Industry 5.0** organized by the Department of Computer Science and Applications, SRMIST, Chennai from 18th to 31st August 2023.

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WEBINAR



III year students, Department of Information Technology have attended online webinar on **“The Third Professional training session”** conducted by IBM Naan Mudhalvan on 11th September 2023.

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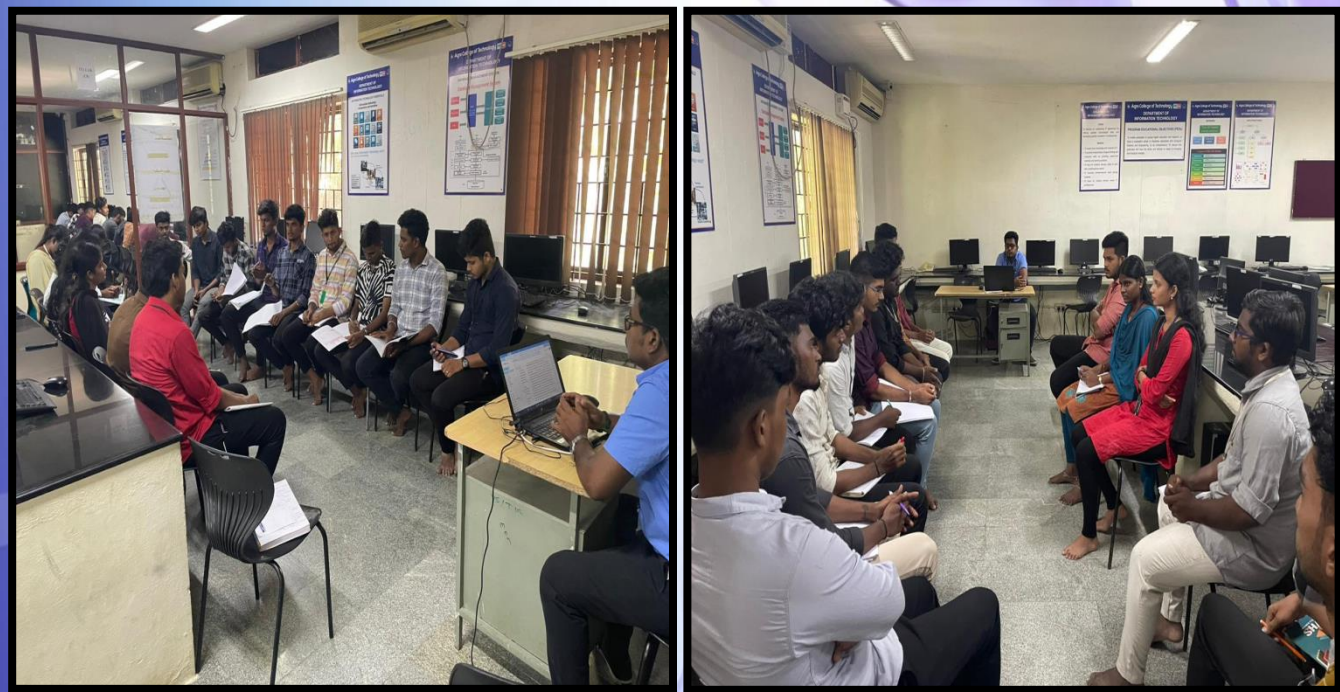
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MOCK GD



Dr. S. Geerthik , Head of the Department, Department of Information Technology, conducted Mock Group Discussion on the topic of “Do musical concerts in cities are essential nowadays” and “Do additional IT hubs need to be located in Vellore ,Coimbatore and Trichy other than Chennai” for IT final year students on 12th September 2023.

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POSTER PRESENTATION

TYPES OF MISSILES

Surya Prakash M - 312820110035

Ballistic Missiles



Intercontinental Ballistic Missile (ICBM)
Submarine-Launched Ballistic Missile (SLBM)
Medium-Range Ballistic Missile (MRBM)
Short-Range Ballistic Missile (SRBM)

Surface-to-Surface Missile



- Tomahawk
- Iskander
- DF-21 (Chinese)
- Ghaznavi (Pakistani)
- Agni (Indian)

Anti-Ship Missiles



- Harpoon
- Exocet
- BrahMos
- YJ-18 (Chinese)
- NSM (Norwegian)

Cruise Missiles



- Subsonic Cruise Missile
- Supersonic Cruise Missile
- Hypersonic Cruise Missile
- Land-Attack Cruise Missile
- Anti-Ship Cruise Missile

Nuclear Missiles



- Minuteman III
- RS-28 Sarmat (Russian)
- DF-41 (Chinese)
- Agni V (Indian)
- North Korean ICBMs (e.g., Hwasong-15)

TYPES OF MISSILES



Trishul has a range between 300 to 3500 km. It is a 3rd gen. missile. It is made in India. It is powered by a solid rocket motor. It is capable of carrying a 300 kg warhead. Trishul is 3 m in length and 20 cm in diameter. The modified naval variant can be used to strike at sea targets. The missile can be employed against sea-surface ships with a fire-control radar. Trishul flies at supersonic speed. It has a low altitude radio altimeter and height lock loop control.



The LGM-30 Minuteman is an American land-based intercontinental ballistic missile (ICBM) in service with the US Air Force Global Strike Command. As of 2023, the LGM-30B Minuteman III (retrograde 1) is the only land-based ICBM in service in the United States and represents the last leg of the US nuclear triad, along with the Trident II submarine-launched ballistic missile (SLBM) and nuclear warheads carried by long-range strategic bombers.



The Harpoon is an all-weather, over-the-horizon, anti-ship missile manufactured by Lockheed Douglas (now Boeing Defense, Space & Security). The AGM-84E Standoff Land Attack Missile (SLAM) and the AGM-84E Standoff Land Attack Missile (SLAM) are cruise missile variants.



The BrahMos (BrahMos) is a second generation cruise and hypersonic missile with a range up to 2,900 km (1,800 mi). It is under development by BrahMos and developed by BrahMos. The BrahMos is a second generation cruise and hypersonic missile with a range up to 2,900 km (1,800 mi). It is under development by BrahMos and developed by BrahMos.

M . Surya Prakash and J. Arul Antony, IV year, Department of Aerospace Engineering ,delivered a poster presentation on types of missiles in rockets and launch vehicles held on AUG 23,2023 under the guidance of Mr . K. Yokesvaran .

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CLASS COMMITTEE MEETING



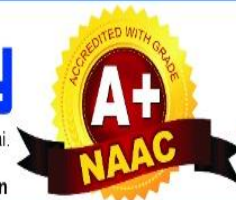
The Department of Electrical and Electronics Engineering had conducted 2nd class committee meeting for the III year students at Power Electronics Laboratory. Participation in student activities, IAT 1 portion coverage, availability of study materials and subject-wise students feedback were discussed in the meeting.

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PARENTS TEACHERS MEETING



Dr.P.Murugan, Associate Professor and Head of Department ,Chemical Engineering discussed academic progress of final year student with his parent on 12th Sep 2023.

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POSTER PRESENTATION

TYPES OF MISSILES



Missile, a rocket-propelled weapon designed to deliver an explosive warhead with great accuracy at high speed. Missiles vary from small tactical weapons that are effective out to only a few hundred feet to much larger strategic weapons that have ranges of several thousand miles. Almost all missiles contain some form of guidance and control mechanism and are therefore often referred to as guided missiles. An unguided military missile, as well as an upper atmosphere or space satellite in space, is usually referred to as a rocket-propelled missile. A rocket-propelled missile is called a torpedo, and a guided missile powered along its low-level flight path by an air-breathing jet engine.

TYPES OF MISSILES

BrahMos

Supersonic Cruise Missile

- Mass : 3,000 kg (6,600 lb) / 2,500 kg (5,500 lb) (air-launched)
- Length : 8.4 m (28 ft)
- Diameter : 0.6 m (2.0 ft)
- Warhead : 200 kg (440 lb) conventional, semi-armour-piercing and nuclear / 300 kg (660 lb) (air-launched) Both manufactured indigenously by the Indian Ordnance Factories

The BrahMos has been developed as a joint venture between the Defence Research and Development Organisation (DRDO) of India and the Federal State Unitary Enterprise NPO Mashinostroyeniya (NPOM) of Russia as BrahMos Aerospace via an inter-government agreement.

VARIANTS

- Ship-launched
- Surface-launched
- Submarine-launched
- Air-launched

SURFACE-TO-SURFACE MISSILES	
Prithvi-I	150 km / 1,000 kg
Prithvi-II	250 km / 500 kg
Prithvi-III	350 km / 1,000 kg
Chakra	350 km / 1,000 kg
Agni-I	700 km / 1,000 kg
Shukra	700 km / 1,000 kg
Prithvi	150 km / 200 kg

SHORT RANGE SURFACE-TO-AIR MISSILES	
Trishul	9 km / 0 kg
Drum	30 km / 50 kg
Barak	25 km / 25 kg
Scud	70 km / 50 kg

ANTI-AIR CRAFT MISSILES	
Agni-III	150 km / 1,000 kg
Prithvi	150 km / 1,000 kg
Prithvi	150 km / 1,000 kg
Prithvi	150 km / 1,000 kg

INTERMEDIATE RANGE BALLISTIC MISSILES (IRBM)	
Agni-I	2,000 km / 1,000 kg
Agni-II	2,000 km / 2,000-3,500 kg
Agni-IV	4,000 km / 3,000 kg

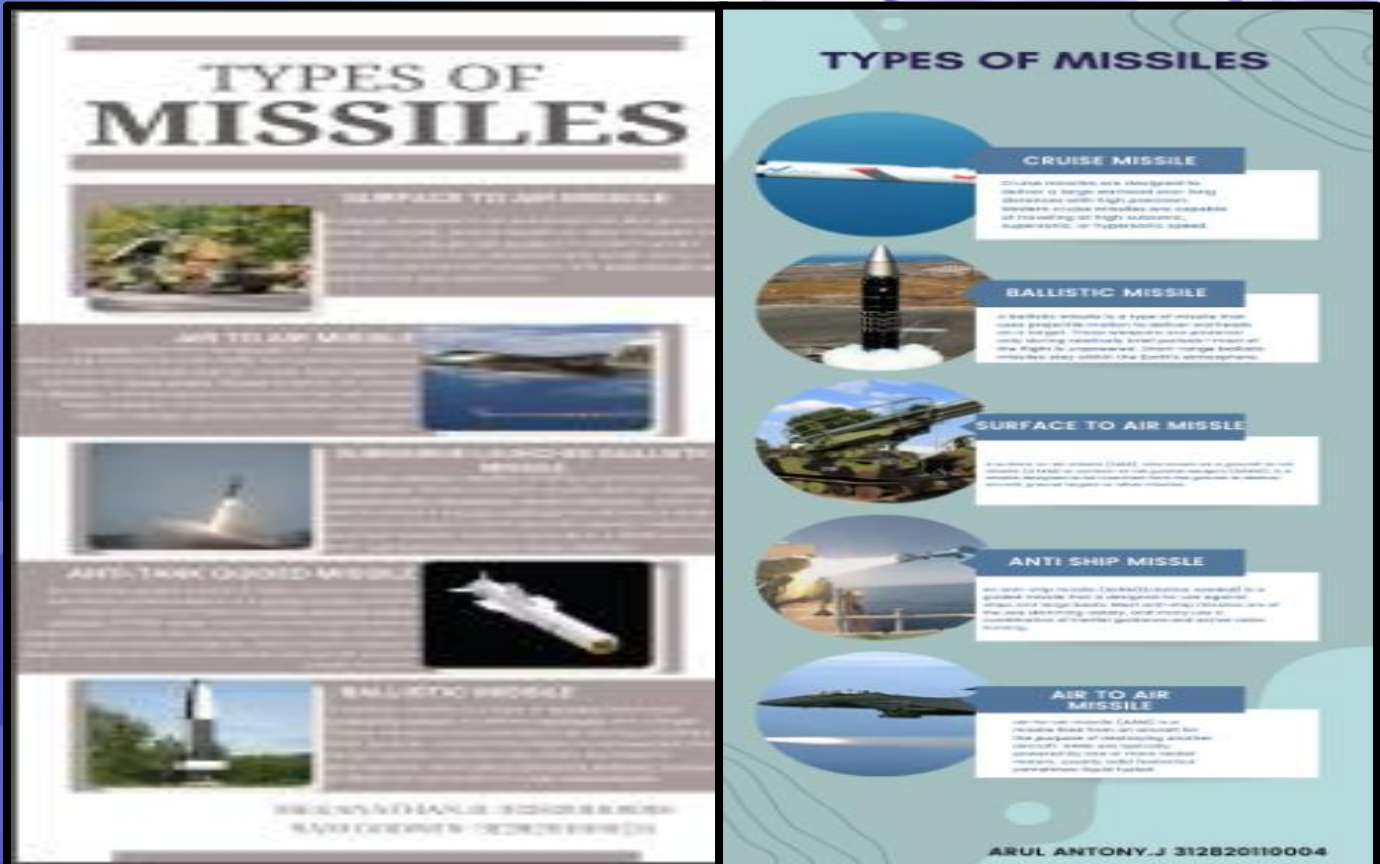
INTERCONTINENTAL RANGE BALLISTIC MISSILES (ICBM)	
Agni-V	10,000 km / 5,000 kg (13-15 MIRV)
Agni-VI (Under Development)	10,000 km / 5,000 kg (10 MIRV)
Satya (Under Development)	10,000 km / 5,000 kg (10 MIRV)

SANTOSH KUMAR R
312820110028
AEROSPACE

S.Om Prakash and R.Santhoshkumar, IV year students, Department of Aerospace Engineering, delivered a poster presentation on types of missiles in rockets and launch vehicles held on AUG 23, 2023 under the guidance of Mr.K.Yokesvaran.

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POSTER PRESENTATION



R.Sri Prabhu, and C.Sam godson, B.Meganathan, IV year students, Department of Aerospace Engineering ,delivered a poster presentation on types of missiles in rockets and launch vehicles held on AUG 23,2023 under the guidance of Mr.K.Yokesvaran .

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