



SLIET'S CLUBS

ŠVIESA - THE PMC SLIET

“Beauty can be seen in all things, seeing and composing the beauty is what separates the snapshot from the photograph”



Started with a photography interest, Sviesa exploring all creative domains while maintaining its 5 - year long legacy to provide a meeting place for those interested in photography, cinematography, film documentary, content writing, podcasts and much more. Currently Sviesa has 50+ active members combining all different domains Photography, Graphic Designing, Videography, Content Writing, SAC Podcast.

PMC has the vision envisaging the outburst of every sort of activity, ranging from workshops, events to every other possible activity, to spread the culture and interest in Photography and Movie of the SLIET community. The club's ethos is all about having fun with photography and movie making and providing an association of like-minded people to enjoy, share and advance their photographic skills, to encourage photography within the community, and to use photography to the benefit of the community by providing pictorial records of the community, its people and events, and its environs.





PMC has the vision envisaging the outburst of every sort of activity, ranging from workshops, events to every other possible activity, to spread the culture and interest in Photography and Movie of the SLIET community. The club's ethos is all about having fun with photography and movie making and providing an association of like-minded people to enjoy, share and advance their photographic skills, to encourage photography within the community, and to use



photography to the benefit of the community by providing pictorial records of the community, its people and events, and its environs.



STUDENT ALUMNI CELL

The Student Alumni Cell is an instrument that connects every individual who has been nurtured by this great institution since its inception . Connect Network and Bond keeping this motto in mind , we seamlessly connect the institute and students , thereby adding to ever growing alumni base. Our alumni being the torchbearers of SLIET earnestly contribute towards its growth and development.

Student Alumni Cell is nothing but the cell which works for the welfare of future of the students . Basically the main concept behind this cell is to make students aware of industries work experience, their pros and cons, about studies , extracurricular activities during college time and many more things and these all can be done with the wise advice , guidance of some experience one i.e. our Alumni and that's the place where the role of Student Alumni Cell comes in.

Alumni can be of enormous value for higher education institutions because of the time and money they can spend on their former institution. So, there are different types of domains in our student alumni cell such as there are Editorial domain , Event management domain, graphics and web development domain and data management domain.

We organize various chapter aluminium meets annual meets and reunions every year to ensure that are alumni reconnect with their fellow batch mates, faculty, current staff and provide a platform for them to experience nostalgia and cherish their college memories .

They share there memories, experience which also helps the current students and they can grasp a lot of knowledge from their work experience, the alumni guides us to the right path through which we can become successful. We interact with our alumni through personal interviews and get an insight into their experiences which are of utmost importance for us.



NATIONAL CADET CORPS



The National Cadet Corps (NCC) is the youth wing of the Indian Armed Forces with its headquarters in New Delhi, India. It is open to school and college students on voluntary basis as a Tri-Services Organisation, comprising the Army, the Navy and the Air Wing, engaged in developing the youth of the country into disciplined and patriotic citizens. The soldier youth foundation in India is a voluntary organization which recruits cadets from high schools, higher secondary, colleges and universities all over India. The Cadets are given basic military training in small arms and drill. The officers and cadets have no liability for active military service once they complete their course.

The formation of the National Cadet Corps (NCC) under the NCC Act, 1948 was a major milestone for the development of the student community. With its motto of "Unity And Discipline", the NCC has become instrumental in molding the character and imparting in our students a dynamic outlook during their school and college education.



Camp training is the practical manifestation of institutional training. The basic aim of Camps is to introduce cadets to a regimented way of life and helps in developing camaraderie, team work, leadership qualities, self-confidence, self-reliance and dignity of labour in the cadets. The cadets are exposed to the excitement of camp life where they apply the theoretical knowledge that they had gained in Institutional Training. It is mandatory for Junior Division/ Junior Wing cadets to attend at least one camp and Senior Division/ Senior Wing cadets to attend a minimum of two camps during the period of their enrolment. NCC conducts over 1450 camps annually at an average frequency of more than 100 camps in a month. Each NCC Camp is structured for approximately 400 – 600 cadets with Instructional staff comprising three to four officers and 15-20 Associate NCC Officers (ANOs)/ Permanent Instructors (PI) Staff/ Whole Time Lady Officers (WTLOs)/ Girl Cadet Instructors (GCIs). More than 8 lakh cadets attend these camps each year. Republic Day camp is the acme of NCC training and is conducted in January every year. The various types of camps conducted by the NCC are as follows:-

Annual Training Camps/ Combined Annual Training Camps (ATC/CATC). These are held within the State under the aegis of respective NCC Directorates.

Centrally Organised Camps (COC). These camps are of all India nature and are planned by Headquarter DGNCC in consultation with State NCC Directorates which conduct them. Selected cadets, as per the vacancies allotted to each Directorate, participate in these camps. The following types of centrally organised camps are conducted: –

National Integration Camps (NIC)/ Special National Integration Camps (SNIC). National Integration Camps and Special National Integration Camps are conducted to make cadets understand and value the rich heritage of cultures that forge unity despite the diverse languages, traditions and religions of our country. These camps are conducted on an all India basis and help bridge the cultural gap among various states of India. 37 National Integration Camps are conducted every year. In addition, six Special NICs are conducted in the extremities of our country at Leh / Srinagar (J&K), Dimapur (North Eastern Region), Peddapuram (Kakinada), Badabagh (Jaisalmer), Lakshadweep and Port Blair.



Leadership Camps. Six Advance Leadership Camps (ALC), are conducted every year, which a total of 1350 cadets attend to focus on personality development, leadership skills and orientation for induction into the Armed Forces.

Thal Sainik Camp (TSC). Two TSCs are conducted at HQ DGCC Camp, Parade Ground, Delhi Cantt every year in Sep/Oct, one for SD/JD boys and other for SW/JW girls. 680 Boy and 680 Girl cadets take part in each camp.

Nau Sainik Camp. This camp is conducted annually for Naval Wing Cadets. Boat pulling regatta and sailing competitions are the main activities of this camp. 560 cadets attend the camp. **Vayu Sainik Camp.** This camp organised for Air Wing cadets, is attended by 600 cadets from all Directorates. VSC is generally conducted in the month of Oct and Inter Directorate competitions pertaining to air wing training are held during this camp. **Rock Climbing Training Camps (RCTC).** Eight rock climbing camps are held each year to expose NCC cadets to the basics of rock climbing and to inculcate spirit of adventure. A total of 1080 cadets attend the camps.

The Annual Republic Day Camp (RDC) is held at Garrison Parade Ground, Delhi Cantt every year from 01 Jan to 29 Jan. 2070 selected NCC cadets from all States and Union Territories attend the camp. This camp represents all parts of India and is a 'Mini India' in itself. The camp is normally inaugurated by the Vice President of India in the first week of Jan and culminates with the Prime Minister's Rally on 28 January. It is a matter of great pride for a cadet to be selected to represent his/ her state in the Republic Day Camp. The Prime Minister's Rally, the most prestigious event of the NCC Republic Day Camp is held on 28 January every year. The PM's Rally commences with the Guard of Honour presented to Hon'ble Prime Minister by NCC Cadets. Contingents from all State NCC Directorate participate in the March Past. Social activities being undertaken by NCC are displayed in the form of tableaux. Approximately 3,000 cadets participate in this rally wherein they display their skills in equestrian, parasailing, band display, slithering and simulated Army action. Microlight Display by the NCC cadets is also conducted during the PM's Rally. The PM's Rally culminates with award of Prime Minister's Banner to the winning Directorate by the Hon'ble Prime Minister. The events are witnessed by a number of dignitaries that include Hon'ble Raksha Mantri, Raksha Rajya Mantri, three Service Chiefs and the Defence Secretary.



SLIET SOFTWARE DEVELOPMENT CLUB

SLIET software development club (SSDC) motivates students for niche and innovative software developments. The SSDC act as a spurring ground for beginner level programmers with the motive to increase their awareness and knowledge about new technologies.

The club motivate its members for competitive programming and various online challenges like hackathon, online placement drives. SSDC club activities include online contests and discussion sessions on programming.

Apart from this, weekly discussion sessions are also conducted by senior students to improve programming skills of peer and share new innovative ideas to solve various real-world problems

To enhance students programming skill and algorithm concepts through programming and algorithm classes.

To motivate students to learn things together and develop some projects based on real world problems.

Students to get job offer through online coding competitions of different companies (TCS, Infosys, ICPC etc.)

We provide guide lines in th field of:

- o App Development
- o Python
- o Online Competitive Programming
- o Machine Learning
- o Web Designing
- o Game Development
- o Cyber Security

We also organises various workshops :

- o C language workshop
- o Python workshop

Also conducts Online coding competetions

- o CodeCamp
- o BrainStormer
- o MindStormers Coding Challenges



SLIET TAEKWONDO ACADEMY



SLIET Taekwondo Academy motivates students to improve physical and mental health. STA formed in 2001, under Gurvinder Singh Bhatti with the support of Former Director Lt. DR R C CHAUHAN. Mr Gurvinder Singh Bhatti who was a GME 2k4 pas-sout was trained under Master Manoj Tyagi and Mr Hariom Mishra. STA provides the training of self defence, yoga, acrobatics, team building and develops leadership skills.

Every year STA demonstrates their skill on 26th Jan, 15th August and Tech fest plat-forms.

Students of STA played enormous state, national and international tournaments and bagged many medals. Currently 25-30 practitioners practice Taekwondo daily under Coach (Kabita Kumari) in SAC. STA also provides Online training which has been started during Covid lockdowns to keep the players in practitioners motivated and match fit.

Taekwondo is also known to benefit mental health through increased confidence, improved self-esteem, focus, concentration levels and self-discipline.

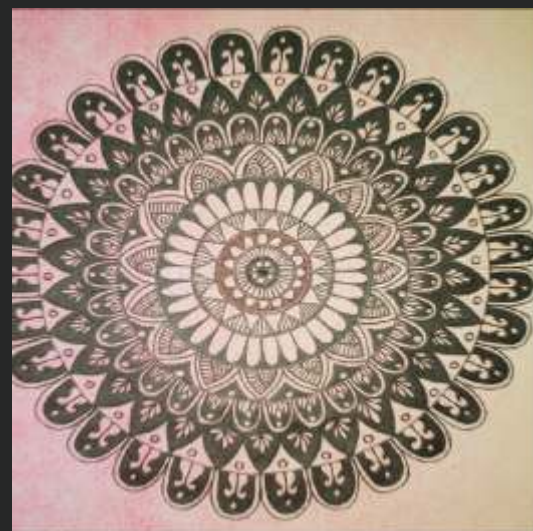
HAPPY CLUB

A social and literary intra-university of SLIET. The aim of the club is to "SPREAD SMILE" Very recently, an event named Virtual Treasure Hunt was organized by Happy club on 26th December 2021. In this event around 400 participants registered themselves in solo or a group entry. Entry fee for solo entry was only 10 rupees and for group entry it was 20 rupees. So, it doesn't create any sort of financial problem for anyone to participate in the event. The members of Happy Club came up with their several unique & innovative ideas and finally with the help of executive members along with Core team, Vice President, President. Virtual treasure hunt (V.T.H) was organised. This event was really interesting as it was beyond academics, keeping this in mind that participants didn't get bored and enjoyed the event a lot. We allowed solo and group entries both because group participation will make students to learn teamwork and help them in achieving a good coordination work output. The purpose of organizing this event was to create a healthy and friendly environment among the students, and another motive was to raise funds for our upcoming social works.

Students from various reputed universities also participated such as Delhi University, Jamia Millia Islamia, NIT Jalandhar, etc. In Treasure Hunt total of 141 teams were assembled, each team consisting of a team leader with a specific team name. The event had a total of 3 rounds, each round having different mind puzzles or riddles. The event was organized on Google Meet by the team members of happy club with the guidance of senior members. Lastly, the role of college events is of utmost importance and according to growing consensus among universities, it has become a learning tool along with the recreation activity. The dedication shown by the members during the few days of pulling up an event might mug them off their energy but also give them a feeling of satisfaction and replenish them with enthusiasm and of course some crucial learning that they will cherish for their entire life.

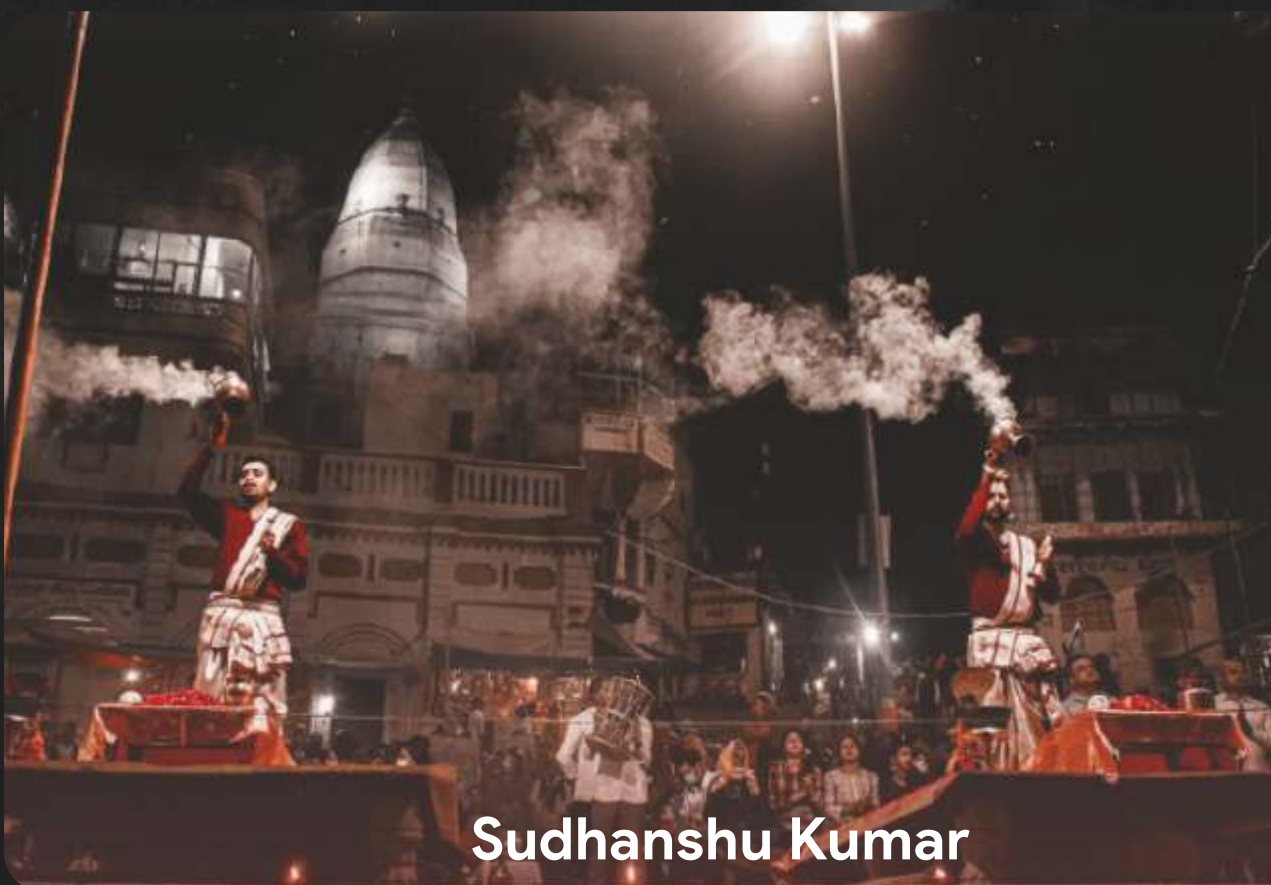


CREATIVE CORNER

**Soham Das****Khushi Singh****Khushi Singh****Satyam Kumar****Siddharth Tiwari****Satyam Kumar****Siddharth Tiwari**



Abhishu Shakya



Sudhanshu Kumar



Raushan Raj



Abhishu Shakya



Rown Jomon



Rown Jomon



SRIJAN 2021

सृजन SLIET'S ANNUAL MAGAZINE

121



SLIET'S FLORA

Proud to be part of Team SLIET
Together We Can Make a Difference



Dahlia Imperialis

Dahlia imperialis, or bell tree dahlia, is an 8-10 metre tall member of the genus *Dahlia* native to Mexico, Central America and Colombia. It is a plant of the uplands and mountains, occurring at elevations of 1,500–1,700 metres and its leaves are used as a dietary supplement by the Q'eqchi' people of San Pedro Carchá in Alta Verapaz, Guatemala

Hardy Iceplant

Delosperma cooperi is a dwarf perennial plant, native to South Africa. It forms a dense lawn with abundant, long-lasting flowering. It will reach sizes of approximately 10–15 cm tall, with fleshy leaves and a trailing stem that hangs down.



Dianthus

Dianthus is a genus of about 300 species of flowering plants in the family Caryophyllaceae, native mainly to Europe and Asia, with a few species extending south to north Africa, and one species in arctic North America. Common names include carnation, pink and sweet william.

Venidium

Arctotis fastuosa, called Monarch-of-the-veld, is a species of African plants in the daisy family, native to Namibia and South Africa. It has become naturalized on roadsides and in vacant urban lots in southern California. *Arctotis fastuosa* is cultivated as an ornamental plant for its showy flowers.



Gazania

Gazania is a genus of flowering plants in the family Asteraceae, native to Southern Africa. They produce large, daisy-like composite flowerheads in brilliant shades of yellow and orange, over a long period in summer. They are often planted as drought-tolerant ground-cover.



Crown Daisy

Glebionis coronaria, formerly called *Chrysanthemum coronarium*, is a species of flowering plant in the daisy family. It is native to the Mediterranean region. It is cultivated and naturalized in East Asia and in scattered locations in North America. *Glebionis coronaria* is used as a leaf vegetable.



Dimore

Dimorphotheca ecklonis or *Osteospermum*, (Cape marguerite, Van Staden's river daisy, Sundays river daisy, white daisy bush, blue-and-white daisy bush, star of the veldt) is an ornamental plant. A native plant of South Africa, this plant is now regarded as a weed in parts of Australia, particularly Victoria and Western Australia

Scarlet Sage

Salvia splendens, the scarlet sage or tropical sage, is a tender herbaceous perennial native to Brazil, growing at 2,000 to 3,000 m elevation where it is warm year-round and with high humidity. The wild form, rarely seen in cultivation, reaches 1.3 m tall.



Phlox

Phlox is a genus of 67 species of perennial and annual plants in the family Polemoniaceae. They are found mostly in North America in diverse habitats from alpine tundra to open woodland and prairie. Some flower in spring, others in summer and fall. Flowers may be pale blue, violet, pink, bright red, or white.

124



SRIJAN 2021
सृजन SLIET'S ANNUAL
MAGAZINE

SLIET'S FAUNA

Proud to be part of Team SLIET
Together We Can Make a Difference



Cyprus Cat

Cyprus cats, also known as Cypriot cats, Saint Helen cats, and Saint Nicholas cats, are a land-race of domestic cat found across the island of Cyprus

Domestic Goose

Domestic geese are domesticated grey geese that are kept by humans as poultry for their meat, eggs, and down feathers since ancient times. Approximately 700 million geese are slaughtered each year for meat worldwide.



Swans

Swans are birds of the family Anatidae within the genus *Cygnus*. The swans' closest relatives include the geese and ducks. Swans are grouped with the closely related geese in the subfamily Anserinae where they form the tribe Cygnini. Sometimes, they are considered a distinct subfamily, Cygnae.

Northern Shoveler

The northern shoveler, known simply in Britain as the shoveler, is a common and widespread duck. It breeds in northern areas of Europe and Asia and across most of North America, wintering in southern Europe, Africa, the Indian subcontinent, Southeast Asia, and Central, and northern South America.



Pigeons

Columbidae is a bird family constituted of pigeons and doves. These are stout-bodied birds with short necks, and short slender bills that in some species feature fleshy ceres. They primarily feed on seeds, fruits, and plants.

American Pekin

The Pekin or White Pekin is an American breed of domestic duck, raised primarily for meat. It derives from birds brought to the United States from China in the nineteenth century, and is now bred in many parts of the world.



Black Kite

The black kite is a medium-sized bird of prey in the family Accipitridae, which also includes many other diurnal raptors. It is thought to be the world's most abundant species of Accipitridae, although some populations have experienced dramatic declines or fluctuations.

Egret

Egrets are herons which have white or buff plumage, and develop fine plumes (usually milky white) during the breeding season. Egrets are not a biologically distinct group from the herons and have the same build.



Black-Winged Stilt

The black-winged stilt is a widely distributed very long-legged wader in the avocet and stilt family. The scientific name *H. himantopus* was formerly applied to a single, almost cosmopolitan species.



SRIJAN 2021

सृजन

SLIET'S ANNUAL
MAGAZINE

MAGAZINE: STUDENT TEAM



Vaibhav Nagargoje
Chief Student Editor



Khushi Singh
Deputy Student Editor



Soham Das
Chief Designer



Guddu Kumar
Co-Designer



Mudita Sinha
Editor (Hindi)



Anamika Yadav
Editor (English)



Prashant Sahi
Editor (Technical)



Chandani
Editor (Punjabi)

*Proud to be part of Team SLIET
Together We Can Make a Difference*



Sant Longowal Institute of Engineering and Technology

Longowal-148106 (Sangrur, Punjab)

+91-1672-280057

www.sliet.ac.in/Srijan/

Copyright@2021

All rights reserved. No part of this publication may be reproduced, stored in a system or transmitted in any form or by any means, mechanical, photocopying without the prior written permission of the publisher.

Publisher: Director, Sant Longowal Institute of Engineering and Technology
Longowal 148106(Sangrur, Punjab)