



SWAMI KESHVANAND INSTITUTE
OF TECHNOLOGY, MANAGEMENT
& GRAMOTHAN

वार्षिक अंक 42



BY
RAJASTHAN TECHNICAL
UNIVERSITY (RTU), KOTA

CONSECUTIVELY FOR 3RD YEAR



SKIT TIMES

• 2019 •



INDIA TODAY MAY, 2019

anIMPACT Feature

Swami Keshwanand Institute of Technology, Management and Gramothan

(Consecutively Ranked No. 1 Institute in Rajasthan by Rajasthan Technical University, Kota)

Swami Keshwanand Institute of Technology, Management & Gramothan (SKIT) inspired from the learnings of Swami Keshwanand, was established in the year 2000 by Technocrats and Managers Society for Advanced Learning, in the Pink City Jaipur, Rajasthan. Today the institute is recognized as one of the centers of academic excellence in Northern India. The Institute is approved by AICTE, New Delhi and affiliated to Rajasthan Technical University, Kota for offering Postgraduate and Graduate Courses in Engineering and Management. Engineering departments of the Institute have been accredited by National Board of Accreditation (NBA).

SKIT offers opportunities that are competitively learning oriented and immensely satisfying in terms of employability. It has been an earnest effort of the founders to facilitate students with an exposure which trains them not just for technological superiority, but also for suitably shaping them for global careers.

A good number of multinational software and other companies visit SKIT every year. More than 200 students of 2019 batch have been placed so far, out of which 102 have been recruited by Infosys, 110 by Cognizant, 95 by Capgemini Technology & many others while the placements are still going on. Great placements at SKIT are only an endorsement of the hardwork and effort the institute puts in. In shaping and honing skills of students. Over the time that students spend on campus, the focus remains on all round development. A strong academic program is driven by a dedicated, well trained faculty and augmented by academic tie-ups with institutions such as ASME, ISTE, ASMA, etc. Developing employability skills is a part of structured training activities on campus. These focus on imparting life skills and corporate manorism. The institute has strong tie-ups to implement these programs. Besides academics and training, SKIT lays emphasis on building strong cultural acumen and sportsmanship through numerous activities on and off campus.

SKIT understands the importance of sports in developing traits like confidence, leadership and team spirit among the students. The Sports Club at SKIT offers Basketball, Volleyball, Cricket, Football, Badminton, Table Tennis etc. Sports Club at SKIT organizes several Inter and Intra College Competition regularly. The institute believes in remaining abreast with the latest developments in the industry and trains students beyond the academic curriculum. SKIT has strong links with the industry and is an active member of organizations such as CILTE and NEN.

For all the efforts triggered towards perfection and innovation, SKIT has recently bagged the first rank in the consecutive 2nd year among all the RTU affiliated institutes. The rank announced by RTU, Kota has been bestowed to SKIT for maintaining excellent quality framework. Jaipal Meel, Director, SKIT is a man of few words but believes in doing things that lead to substantial and concrete results. An epitome of simple living and high thinking, he firmly believes in giving a perceptible shape to the infant ideas of students

who aspire to achieve a strong hold over their life and career. Jaipal Meel has created unspiced opportunities for the students and faculty members of SKIT that have time and again been proved as milestones for creating success stories. He affirms that the trust that he wins from the parents and students is the real asset of the institute's reputation. "It gives us profound joy," maintains Shri Meel. "When we see parents bringing up with pride and satisfaction about their ward's progress", Jaipal Meel has spared no effort in making the institute the first choice for new entrants. The journey that he has traversed has been a competent journey, moving ahead inch by inch and assimilating all that is necessary for strengthening the youth.

It is true that things are never over for ever and SKIT too is a part of this continuum. A little has been achieved so far and a lot remains ahead. Yet the fact that SKIT has carved its space as a premier institute of technical education not only in the north region but across the nation, and that our efforts have been acknowledged by both parents and students, reflects determination to strive better. Besides, the feedback from the reviewers, good academic record in the university examinations, words of thanks from parents and alumni are the blissful moments that have been showered upon the institute from time to time and thus keep the spark alive. Starting with raw students and changing them into exceptional technocrats has been a definition of SKIT as the belief goes that buildings don't determine an institute's success but it is the students' progress that takes it higher to touch new dimensions of glory.



JAIPAL MEEL, Director

anIMPACT Feature

A son of soil who rose to reach skies

Surja Ram Meel, a leading industrialist and a socialite

Surja Ram Meel, aged 67 years is a law graduate belonging to a reputed business family of Rajasthan having business interests in diverse fields of Real Estate and Development of Commercial and Residential projects, Primary and Technical Education, Handicraft Exports and Hospitality. Meel with business experience of close to forty years having started his career in tyre business in Sri Ganganagar and widely traveled to most parts of the world is a great visionary. Youngest of seven brothers, Meel learned to shoulder responsibility early on in life as he was well aware that belonging to a family of humble means and lack of opportunities in a small village, he had to make the most of what he had. Ably supported by his elder brothers, who chose to work so that he could complete his education, he went on to finish his higher studies and led the family business initiative coming to Sri Ganganagar and then to Jaipur.

Real Estate
In 1980 he shifted to Jaipur and started assisting his brother in Real Estate business. In 1982, he was instrumental in developing Hanuman Nagar and Hanuman Nagar Extn. residential colonies under Moti Shawan Giris Nirman Samiti. Thereafter he engaged in the development of several residential and commercial projects in Jaipur, like City Centre, City Star and City Plaza along with a slew of other residential constructions. Late 90s saw a great boom in the real estate housing in Jaipur and the group promoted M/s Satya Prakash Builders Pvt Ltd. Under this company, Meel started the biggest and most luxurious project in residential apartments under the name of "Royal Ensign" to be Circle in the heart of Jaipur city. The concept of sky bungalows was introduced with duplex apartments and individual double story terrace with each unit. These premium apartments have become the ultimate symbol of luxury not just in Jaipur but in countries like USA, Japan and in Europe as well, since most of the buyers are NRIs. To date this is considered a landmark building and a prized possession for apartment owners in the project.

Education
Spread of education in rural Rajasthan and empowerment through knowledge especially among women has been the driving force behind the actions undertaken by Meel in the field of primary, secondary and higher education. Towards this end a fully residential English medium school, Ch. Motaram Meel Memorial Sr. Sec. Public School (MRM) catering to the rural folk was established by him in 1992 at his native village Nirwana, Saritaigarh in memory of his late brother Ch. Motaram Meel. This was followed by the group's foray into higher technical education in the form of Swami Keshwanand Institute of Technology Management & Gramothan (SKIT), a premier engineering college in Jaipur since 2000. SKIT is considered one of the best private engineering colleges in Rajasthan attracting thousands of applicants every year and creating



SURJA RAM MEEL, Chairman SKIT

excellent job opportunities for those who pass through its hallowed gates.

Continuing with the same tradition, the group, under Mr. Meel's leadership, has now set its gaze upon bringing quality education to the tiny tots and to introduce internationally followed best practices in elementary education. The results of its efforts are Gyanand Global Schools at Awar and Hanumangarh.

Hospitality
Under the able guidance of Surja Ram Meel, the group entered the hotel business with the launch of Hotel Golden Tulip (now Lemon Tree Premier) in 2007. This is a deluxe 108 room five star property with all the facilities desired by corporate and leisure guests. Under management tie-up with the Lemon Tree Hotels chain, this hotel has made a reputable name for itself in the city. This was followed by Nirwana Homestay, an 82-room hotel in the heart of city, under management tie-up with Sarovar Hotels.

The group also owns and manages two smaller properties in Jaipur and Awar under the brand Hotel Nirwana Palace, catering to visitors desiring affordable luxury with traditional Rajasthan haveeli architecture as the theme.

Export and Retail
The Meel group under the leadership of Meel also forayed into ready-made garment retailing in 1989 with the city's first fully air-conditioned showroom called Shri Gyanand followed by the renovated and already well known Kanta Textiles. In 1996, sensing great opportunities in handicraft export business, Hastkala Handicraft Exports was started which caters to the overseas market in the field of wooden and wrought iron handicrafts and furniture.

Social Activities/Affiliations
- Federation of Rajasthan Trade & Industry (FORTI)
- CREDAI Rajasthan
- Rajasthan State Real Estate Development Council (RAUREDCO)

Surja Ram Meel has been a visionary and guiding light of the family business group and continues to perform his duties as the family patriarch advising the younger generations and helping them prepare for the challenges that lie ahead. He is greatly revered by everyone in the family and his elder brothers seek his advice regularly in all important family matters. With special focus on the education sector, the group plans to launch more ambitious projects in future and hopes to achieve greater heights under his command.

FROM THE EDITOR'S DESK

TRUE ROLE OF 'EDUCATION' IN LIFE

Formal education and training programs focus almost exclusively on imparting academic, physical, and mental skills. They place very little conscious emphasis on the attitudes, the mental understanding and decisiveness, and the psychological values needed for these skills to result in accomplishment and fulfilment.

Education should not only focus on the academic growth of children but should also accentuate on their holistic development so that they grow up to be good thinkers, professionals and leaders.

Besides imparting knowledge and skills, education also acts as a conduit to infuse good values in a person to become a good human being with a strong character who can take decisions for the benefit of society and humanity.

ROLE OF SKILL

Accomplishment by an individual in any field of activity depends on the level of education & skill which the person has acquired. Skill converts physical energy into useful productive force and enhances the opportunities for individual accomplishment and the general social progress.

ROLE OF VALUE

Accomplishment in any area also depends on the attitudes, understanding, steadfastness and values exhibited by an individual. In the simple act of writing the author not only on the displays physical skill for forming letters and words, but also the attitude toward the act of writing, the content and the audience. Additionally, it depends on the values displayed by the writer while performing the act of writing. The decisions we make are a reflection of our values and beliefs, and they are always directed towards a specific purpose. That purpose is the satisfaction of our individual or collective needs. When we use our values to make decisions, we make a deliberate choice to focus on what is important to us. **"Values are like fingerprints. Nobodies are the same but you leave them all over everything you do."** Elvis Presley

Values represent the highest and most powerful individual capacity for accomplishment. As skills direct the use of physical energy, values direct the use of the psychological energy of the personality.



KRISHNA SHARMA, Editor-in-Chief

Therefore the highest levels of individual & social accomplishment demand very high values.

Every successful person exhibits these qualities. Every failure lacks them in some measure.

Every act in every field demands its own requirements for accomplishment. Carrying on a discussion requires not only the ability to speak, but also the ability to listen, a supportive and open-minded attitude, the self-discipline of non-interruption or diverting the subject, the aptitude to understand what is spoken and quickly decide what should or should not be said, as well as the tolerance, honesty, modesty and patience. Lack of these values may have marginal effect and can often be counterproductive.

It is possible to evolve a formal curricula that imparts the values, attitudes, understanding and decisiveness necessary for achievement and personal fulfillment. The positive change in students and learning environment through all these activities can be ensured by carrying these out on a regular basis throughout the year, rather than as a one-time activity. A teacher can play an important role in enabling students to participate meaningfully in all spheres of life.

Krishna Sharma
Editor-in-Chief

SUNDIVO Education Icon जयपुर, गुरुवार, 13 जून 2019 02

SKIT believes in giving a perceptible shape to the infant ideas of students

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JAIPAL MEEL, Director SKIT

"Champions don't set out to be a leader... they set out to make a difference. It's never about the role... it is always about the goal."

We cannot always build the future for our youth, but we can build our youth for the future. "Franklin D. Roosevelt"



Learning should be based on doing things and not merely knowing things. Until and unless learning solutions relate to real life and motivate the learner to acquire and apply the knowledge, the whole process will remain superficial. Students are the nation-builders, the agents of change. Hence, efforts should be made to craft them for future. SKIT is dedicated to creating personally mature, professionally equipped and service-oriented graduates. I owe my gratitude to the teachers who are the key players in realizing this dream.

My best wishes to staff and students for doing a commendable task.

Jaipal Meel
Director

"The mind is not a vessel to be filled, but a fire to be kindled." said Plutarch. Fostering creativity and inspiring innovation are the two panacea for successful education and a college magazine is the perfect amalgamation of both. It harnesses the inventive energies of the academic community and distills the essence of their inspired imagination in the most brilliant way possible. I am delighted to know that SKIT's annual college magazine is ready for publication. I take this opportunity to congratulate the editorial board for bringing out this magazine. May all our students ascend high in colorful skies and bring fame and grandeur to the world and their profession.



Best Wishes

S. L. Surana
Director Academics

I feel highly elated to present the annual issue of SKIT TIMES which is a compilation of the year long activities of this institution. The institute which was established in 2000 is Rajasthan's no. 1 engineering college today with the collective effort's from the various bodies like faculty members, students and alumni. However, there is a long way to go because the avenues of exposure are huge. We have strived hard and improved over the year's upon our past performance, to augment SKIT's current stature in the league of the premier colleges of India.

So, let us join hands in performing the huge task and at the same time rejoice in the glory of the present success with continuing determination: "More from less, far more for the future". Finally, I congratulate and applaud the editorial board for their spellbinding efforts in bringing forth the talent of students.



Good Wishes,
Ramesh Kumar Pachar
Principal

VISION

To promote higher learning in advanced technology and industrial research to make our country a global player.

MISSION

To promote quality education, training and research in the field of engineering by establishing effective interface with industry and to encourage faculty to undertake industry sponsored projects for students.

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PROCLAMATION

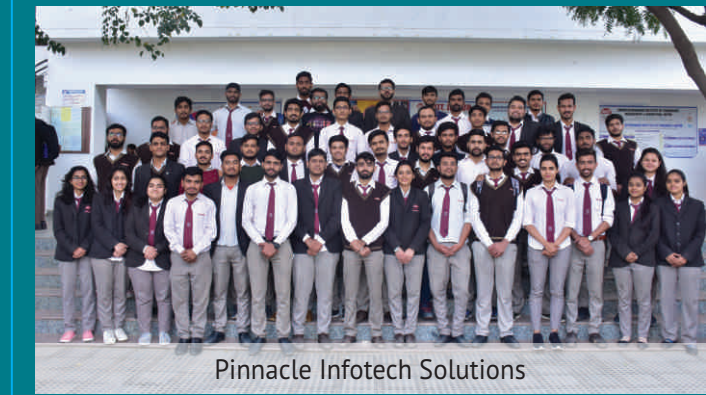
A record of happenings at SKIT

CAMPUS RECRUITMENTS

The Training & Placement Cell of SKIT plays a crucial role in locating job opportunities for under graduates and post- graduates passing out from the college by keeping in touch with reputed firms and industrial establishments. Placement training by the Cell plays a major role in shaping up the career goals, and equipping the students with life skills, corporate etiquette and holistic personality grooming through rigorous training and mock –drills. Under the able guidance of Prof. M.L. Bhargava, Advisor, Prof. Amber Srivastav, Training and Placement Head and his team has as usual nailed the benchmark in securing placements during the session 2018-19

B. TECH. 2019 BATCH PLACEMENT LIST

S.N.	COMPANY/INDUSTRIES	NO. OF STUDENTS PLACED	S.N.	COMPANY/INDUSTRIES	NO. OF STUDENTS PLACED
1.	Infosys	202	29.	Skilrock Technologies	3
2.	Capgemini	140	30.	Technoforte	3
3.	Cognizant	98	31.	A-1 Fence Products	2
4.	Pinnacle Infotech Solutions	80	32.	Adani Power	2
5.	Thrillophilia.com	39	33.	Air Flow	2
6.	ICICI Prudential Life Insurance	37	34.	Air Control & Chemical Engineering	2
7.	TCS	26	35.	All On Block Corporation	2
8.	NIIT Tech	17	36.	Alok Industries Limited	2
9.	Value Momentum	15	37.	Bigstep Technologies	2
10.	Extramarks	12	38.	Tractel Tirfor	2
11.	AppPerfect	8	39.	ARN Focus IIT	1
12.	GR Infracore	8	40.	Auriga IT	1
13.	Infogain	8	41.	Auth Bridge	1
14.	Kalpataru Power Transmission	8	42.	CodeMyMobile	1
15.	Metacube	16	43.	EduGrad	1
16.	FACE	7	44.	HSBC Software	1
17.	BYJU's	6	45.	IBM	1
18.	InTime Tec	7	46.	Infoobjects	1
19.	Diffusion Engineers	5	47.	Memorres	1
20.	Innoraft Solutions	4	48.	Sopra Steria	1
21.	InvestWell	4	49.	TAI	1
22.	Torrent Power	4	50.	Tek Systems	1
23.	Calvin Klein & Tommy Hilfiger	3	51.	VAK Lighting India	1
24.	Genus	3	52.	Vectra Geospatial	1
25.	Hexaware Technologies	3	53.	Wipro	1
26.	Juspay Technologies	3	54.	Tech Mahindra	1
27.	Adani Green Energy	3	55.	Adani Gas	1
28.	Kellton Tech	1		TotalSelection	806
				Still continues....	



DETAILS OF COMPANIES/ INDUSTRIES, PACKAGE AND STUDENTS PLACED MBA 2018-19

S.No.	Company/Industry	Package Offered (in Lacs)	No. of students placed
1.	Homeland Group	2.40	5
2.	Hotel Grand Mapple	1.92	4
3.	ICICI Prudential	2.0	6
4.	Diolabs	1.80	2
5.	Angel Broking	2.16	2
6.	Angel Broking	2.40	1
7.	UCC Tourism Services Pvt.Ltd	3.01	1
8.	Bajaj Capital Limited	3.02	1
9.	Marketing Mindz	1.32	1
10.	Vinayal Enterprises	1.44	1
11.	ISYS Softech Pvt Ltd	3.25	1
12.	HDFC Standard Life Insurance Company	1.80	1
13.	D-Mart	2.75	2
14.	Vishal Mega Mart	3.25	2
15.	Just Dial	3.08	3
16.	Jaro Education	7.50	1
	Total		34



PRAVAH 2019

The annual techno-cultural fest and sports extravaganza of SKIT is a festival where engineering students take a break from their daily curriculum to indulge into a fiesta of music, dance, enchanting and enriching exhibitions, workshops and literary events. With the theme of 'SEASONS' PravaH 2019, began with a splendid display on 25 February, 2019. The inaugural ceremony was held in Gyan Mandir auditorium. Keeping the tradition, lighting of the lamp followed with Saraswati Vandana marked the beginning of the ceremony. The exuberant ceremony started with floral welcome of the guests accompanied by a welcome note delivered by the Director of SKIT, Shri Jaipal Meel.

The chief guest at the inaugural, Shri Pradeep Kumar Borad, Commissioner, College Education, Govt. of Rajasthan congratulated the college management for organizing such a mega event. In his address he stressed upon the value of time, commitment, etiquette and advised the students to participate in extracurricular activities. The speech was followed by yet another motivational address by the presiding guest Prof. R. P. Yadav, former Vice-Chancellor, Rajasthan Technical University, Kota. He told the students to pursue hard work in order to achieve their goals. It was followed by mesmerizing cultural performances such as Bhangra, Bigul, Spic Macay eritage club performance and many more. The guests were honored with mementoes following which Prof. Ramesh Kumar Pachar, Principal, SKIT presented a vote of thanks. After this, the guests announced the formal opening of PravaH 2019.

During the fest an array of events including technical, non-technical, cultural, social and literary events enthralled the students. The Auto expo and 'Bhagirath' highlighted the social arc and innumerable literary events like 'Kathakar' debate helped the students to sharpen their debating potential. Cultural events like 'Sur', 'Thirak' and 'Ravaz' left an indelible print on the audience. This year, Ravindra Upadhyay, popular singer from Bollywood thrilled the audience with his voice during celebrity night. 'Aaveg' provided a platform to promote sports at an intercollegiate level where many budding athletes got an opportunity to battle it out with their peers.

ANNUAL DAY

The annual day of PravaH was marked by a flow of colorful and bright ideas through a spectacular panorama of events. The ceremony witnessed the presence of Prof. Nirjhar, former Director, MNIT as guest of honor of the occasion and Dr. Subash Garg, Minister of Technical Education, Govt. of Rajasthan as the chief guest. Mr. Raja Ram Meel welcomed the guests and the celebrations began with auspicious lamp lighting ceremony for paying homage to Goddess Saraswati. The annual report was presented by Director Academics Prof. S.L. Surana. He threw light on the progress of the college in the academic session 2018-19 and detailed the laurels earned by the faculty of SKIT in the academic session. The aspiring, talented students and alumni were awarded prizes for excellence in academic and other activities. Shri Anil Bafna, Vice-chairman, SKIT began his speech paying his tribute to the martyrs in Pulwama attack and said that the flow of life should be beautiful, constant and unforgettable. He congratulated the organizers of PRAVAH 2019. After the formal program, various mesmerizing performances such as Garba, Western Mash-up and drama performance added fervor to the event. Prof. Nirjhar said that the students should be sincere and laborious for getting good placements. The chief guest, Dr. Subash Garg, Higher Technical Education Minister, spelled out the skills required for engineering students for achieving success.

A vote of thanks was delivered by Prof. Ramesh Kumar Pachar, Principal, SKIT. He expressed his heart felt gratitude to the convener, organizing committee and the student volunteers for their hard work to make the fest a grand success.



AAGAAZ: A NEW BEGINNING

The commencement of the freshers' fresh lease of academic life at college began with their active participation in the induction program charted by the AICTE for the academic session 2018-19. A fifteen day program crammed with umpteen expert lectures from a wide array of fraternities to the student participation in lectures on Universal Human Values and Creative Arts brought forth the novel aspects of learning. The induction programme 'Abhinav Aayaam' flagged off with an orientation program entitled 'Aagaaz' on the first day. The students were invited with their parents to witness the grand ceremony in the college. Additional DIG, Dr. Rajeev Dasot was the chief guest of the ceremony Chairman, Shri Surjaram Meel; Director, Shri Jaipal Meel; Prof. S. L. Surana, Director Academics; Prof. Ramesh Pachar, Principal; Smt. Rachana Meel, Registrar; Prof. Hemlata Dullar, Principal SKIP; Prof. Sudha Calla, head in charge, first year and all the Heads, Deans and faculty members of various departments within the college graced the occasion.

The program, began with the address of Shri Surjaram Meel, who, in his jubilant voice, welcomed the new entrants and their parents. He made the freshers feel at home in the campus. He assured the parents to not worry about their wards as they were in safe hands. He further stressed upon the inculcation of the basic values of diligence, dedication and discipline in life. Quoting his own example of hailing from a small village in Ganganagar, he revealed how his determination and dedication led him to the pinnacle of progress where he exists today. He also highlighted upon the indispensable necessity of a joint family in today's scenario where people are so lost in the material world that they have almost forgotten the basic human values of trust, respect, love and above all the value of mutually fulfilling relationship.

The chief guest of the ceremony, Addl. DIG, Dr. Rajeev Dasot also echoed the same thread of values with equal panache through the lens of various examples quoted by him. The audience, with rapt attention, were highly impressed by his pristine uniform that he wore to set an example for the new entrants. He unravelled numerous instances of his professional life as superintendent of police where his priority had been the moral and human values taught to him in his tender years as a child. He also emphasized on the importance of time management in one's life. Time, as he said, "is too precious a thing to be wasted". The students gave a huge round of applause when he spoke at length about his sincerity and passion for his profession and his uniform.

In the same vein of discourse, Prof. S.L. Surana, (Director Academics) exhorted the students to focus on being good engineers as well as good citizens and wished them good luck for the future. Dr. Ramesh Pachar, Principal, SKIT briefed the students about the rules and regulations and the extra-curricular activities that take



place in the campus. Many cultural performances also took place. Ceremony ended with a vote of thanks by Dr. Calla, Director (Development and Welfare). He ensured everyone that the college campus is completely a Ragging – Free zone. Later on, the booklets for the two week long induction program were distributed to the students. Prof. Sudha Calla, Head in charge for first year enlightened the students about the various rules and regulations of college and also the academic system which is followed in the college. All the heads of the departments of first year took over the lectern to apprise the basics of their curriculum and to ensure them that the subject knowledge is disseminated preferably through power point presentations.

ABHINAV AAYAAM: AN INDUCTION PROGRAMME FOR THE FRESHERS



The induction program was kicked off with the spectacular speech of Dr. Manpreet Singh Manna, Director AICTE, who introduced the highly popular government initiative "Swayam" where students can register themselves and become a part of the larger network of the MHRD. He also added that students must have confidence in their capabilities in order to achieve success in life and must never give up. The crux of his motivational lecture dealt with the seven vital relationships that a person shares with others throughout his life. He focused on the importance of parent-child bond and highlighted its sanctity. He further explained the value of quality engineers and the role of the institution to help students.

In the second session on the same day, Prof. Satish Batra, Director, Bhartiya Vidya Bhavan, Jaipur, talked about the basic characteristics

of successful people who are also always 'positive' in their approach towards life. He highlighted the need of becoming an assertive person, power packed with positivity. Dr. Teenna Sawhney, Chairperson, ALL Women's League, portrayed the importance of primary principles of the soft skills in our lives. The students were also enthralled by the discourse of Mr. Amit Kapoor, Director, Teolar High School, who shared the pivotal points of making an 'effective' CV to impress the recruiters. The best part of the induction program was the introduction of yoga and zumba exercises for the students. Each morning the students enthusiastically gathered on the ground to shake their bodies to match up their breaths together for the mass yoga sessions, skillfully conducted by Mr. Satveer Chaudhary, STA, Electrical Engineering department. Over all the induction programme turned out to be a huge success with cent percent attendance of students in varied activities chosen by them.

SPIC MACAY

SPIC MACAY is a non-political nationwide voluntary movement that organizes programmes of classical music and dance, folk arts, classic cinema, screenings, heritage walks etc. inside school and college campuses throughout the world. The aim is to make students more aware about Indian and world heritage. On 8 August 2018, SKIT hosted a programme under SPIC MACAY heritage series. Classical 'dhrupad' singer Faiyaz Wasifuddin Dagar presented his creation "Kundarko Rang Feeko Laage" and kept the audience spell-bound with the flow of music through various 'ragas'. He was assisted by Shobhit Das and Shivam Bhardwaj on Tanpura Mohan Shyam Sharma on Pakhawaj. The programme concluded with 'Shiv Tandav Stotra'.

INDEPENDENCE DAY CELEBRATIONS



Following the tradition of celebrating the national festivals with fervour every year, this year too, the Independence Day was celebrated with the same zest & spirit. The guests and college inmates were welcomed with a beautiful rangoli at the entrance of the venue. Mr. Sisir Banerjee President, 5 IEI was the chief guest in the program. The ceremony took off by flag hoisting followed by national anthem. The stage programme was conducted in Gyan Mandir Auditorium where the students of SKIT's Spic Macay Club initiated the show with their mesmerizing fusion of the classical and the contemporary styles in music. Fusion Band also gave a thunder-storming band performance. The musical repertoire was followed by the dance tuned up on the songs of national spirit. Shri Surja Ram Meel, Chairman SKIT, delivered the welcome note. He highlighted the importance of inculcating the spirit of patriotism. Continuing the same thread of thought was Director Academics,

Professor S.L. Surana's speech. He emphasised on the significance of discipline and diligence in life. The chief guest, Mr. Sisir Banerjee, President of Institute of Engineers India, enlightened the audience with his power-packed discourse on the ethiss of Indianism. The students of Chatra Sansad enacted a message on the theme of Swachch Bharat Abhiyan. The ceremony concluded with the thanks giving note by Professor N K Banthiya, Head,

LEADERSHIP SKILLS ENHANCEMENT PROGRAMME



SKIT organized Leadership Enhancement Programme from August 18-22, 2018. It was conducted under the flagship of Mr. Suresh Patel, Management Trainer and Chief- functionary of Academy of Professional Excellence, Ahmedabad. Diverse programmes and social visits were held during these five days. It began with screening of the film 'Gandhi' followed by discussions, deliberations and feedback from the students. The next day was marked by some invaluable inputs on 'Authenticity' by Mr. Suresh Patel. He enlightened and sensitized the students that instead of merely preaching others we should live by what we preach. On the second day there was a session with Mrs. Pramila Shandilya, Focal person UNGCNI, Rajasthan. She is also BPNI National Trainer and counselor for IYCF and Advisor SIDART (NGO), Jaipur. Day 3 began with an erudite lecture by Mr. Suresh Patel in which he shared some indispensable insights on 'Self-Expression'. He told the students about the correlation between authenticity, self-expression and value creation. Thereafter, Mr. Sudeep Goyal, the chief functionary of an NGO 'AashaKa Jharna' which runs 'Special Schools' at Nawalgarh, Jhunjhunu and Sikar interacted with the students and guided them the ideal way in which accounting and management plus other services can be provided by them in various NGOs. He exhorted the students to create their own apps and websites for helping the needy children.

On Aug. 21, Mr. Patel apprised the students of the importance of 'Value Creation'. Mr. Rajendra Bhanawat, former IAS and presently chairman of Sandhan (NGO) as well as vice-chairman of Rajasthan Chapter of Transparency International, India was also invited to grace the programme and to enlighten the students with his words of wisdom. He shared his own experiences with the students that how in different situations he acted authentically. On day 5, students were taken on a social visit to Sakhi BalNiketan and Amar Sewa Samiti NGO, Jhalana Doongri, Jaipur. It was concluded by an interactive session with Mr. Gopal, Chief-functionary of the NGOs. He highlighted the importance of vocational training to the students and encouraged the students to work actively for the betterment of poor children.

BASANT PANCHMI CELEBRATIONS



Homage was paid to goddess Saraswati on 10 February, 2019, at the Saraswati Temple in the SKIT campus. Director Academics, Prof. S. L. Surana along with the members of SKIT family performed the traditional 'pooja'. The temple was decorated with flowers & lights. 'Prasadam' was distributed after the prayer chanting.

'KUMBH PAR CHARCHA'

To aware and enlighten the youth about Indian culture and mythology, a panel discussion on 'Kumbh Par Charcha' was jointly organised by SKIT and Dainik Bhaskar on 20 February 2019 in J. C. Bose seminar hall. Devarshi Kalanath Shastri, renowned Sanskrit scholar, Prof. Vinod Shastri, ex Vice chancellor Sanskrit University, Prof. M.L. Bhargava, Advisor and Prof. Archana Saxena, HOD Chemistry, discussed and deliberated on-cultural, mythological, scientific and astrological dimensions and significant aspects of 'Kumbh'. Mr Dharmendra Jha, News Editor Dainik Bhaskar, was present as moderator. Prof. Rohit Mukherjee and Prof. Amber Srivastava welcomed the guests.

SKIT SPIC MACAY CLUB: SITAR PLAY BY MR. JOSHUA FIENBERG

SPIC MACAY, the Society for the Promotion of Indian Classical Music and Culture Amongst Youth is a voluntary youth movement which promotes intangible aspects of Indian cultural heritage by promoting Indian classical music, classical dance, folk music, yoga, meditation, crafts and other aspects of Indian culture. Under the aegis of SPIC MACAY, a Sitar recital by Mr. Joshua Fienberg, was organised by SKIT SPICMACAY club on 29 January, 2019 at 1.00 pm.

A traditional floral welcome was extended to the lead artist Mr. Joshua Fienberg and the accompanying guest artists by Prof. Rohit Mukherjee and Dr. Nidhi Sharma (Club coordinators). At the outset, Mr. Fienberg briefed the students about 'Hindustani' classical music and its importance. The audience was awestruck by the sitar recital and their 'jugal bandi'. The popular composition of Hazrat Amir Khusro, "damadam mast kalandar" enlivened the day.

MEGA BLOOD DONATION CAMP

SKITIANS have always put in their endeavours for community service. In the same spirit, the 17th mega blood donation camp was organized by Red Cross Society of SKIT, for another consecutive year on 1st October, 2018. It was held in collaboration with HDFC Bank, Lions Club and Rotary Club Jaipur.

The inaugural function witnessed the gracious presence of Dr Suresh Gupta, Chairman, Neurosciences, Rukmani Birla Hospital, Jaipur and Dr Pracheesh Prakash, CEO, Rukmani Birla Hospital, Jaipur as Chief Guests and Dr. Vikram Singh Chauhan, Medical Superintendent, Rukmani Birla Hospital, Jaipur, as Guests of Honor. We also received support from SMS Hospital, SDMH Hospital, Jaipuria Hospital, Mahaveer Cancer Hospital and Rungta Hospital.

The programme commenced with a welcome address by Mr. Surja Ram Meel Chairman SKIT. He welcomed the dignitaries and congratulated the donors for the noble cause. He also espoused the need of eye donation and organ donation Prof. (Dr.) S. L. Surana Director (Academics) lauded the efforts of the SKIT family and exhorted students and faculty members to donate more blood. Prof. S K Calla (Director, D & W) conveyed his greetings on the occasion and wished for grand success of the programme. The chief guest Dr Suresh Gupta, extended his congratulations to the donors. He explained all the myths which are associated with blood donation and added that one blood donation can save three lives. Dr Pracheesh Prakash compared blood donation to the highest donation in the world. He also expressed that the engineers and doctors are interdependent.

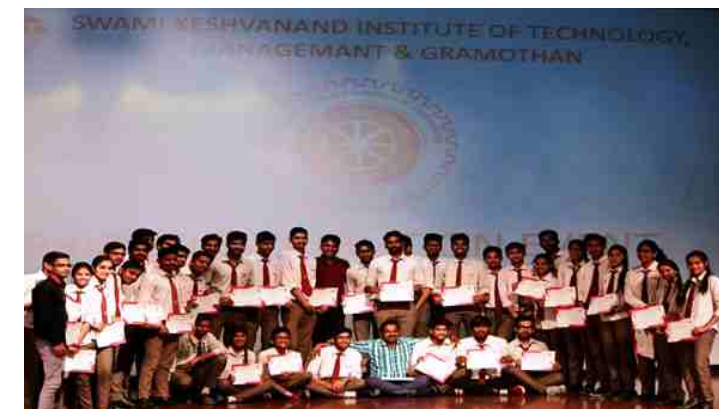
Shri Jaipal Meel (Director), displayed an exemplary spirit before the students by donating blood for the 15th time. Faculty and staff members also participated enthusiastically in leading the students for the noble cause. Ms Rachna Meel (Registrar) also motivated the students for donating blood. Prof. Archana Saxena was the chief coordinator of the event. The camp is organised every year in the college premises for helping the people in need. 924 units of blood were collected in the camp. The camp concluded with honouring the guests with a shawl and memento and distribution of gifts to the blood donors.



II. BLOOD DONATION CAMP 2019

Swami Keshvanand Institute of Technology Management and Gramathan has been organizing blood donation camps every year since 2000.

This year also a second blood donation camp was organized successfully, on Wednesday 27 March, 2019 in collaboration with NSS and the SKIT Youth Red Cross Club with the help Santkoba Durlabhji Hospital blood bank. The SKIT family of students and faculty members celebrated the event with great enthusiasm. Prof. S.L. Surana (Director Academics) highlighted the importance of regular blood donations. Dr. Ramesh Kumar Pachar (Principal) threw light on the history of blood donation camp at SKIT and congratulated everyone for being a part of this noble cause. The day concluded with the words of Prof. S.L. Surana (Director Academics) who heartily extended his gratitude to the doctors present on the occasion, the Santkoba Durlabhji hospital, and all the guests. Total blood donated in the camp was 157 units. This noble event was highly applauded by print media through various newspaper reports



VIRTUAL LABS: AN INTRODUCTORY WORKSHOP

It is a proud moment for us all that SKIT has been selected as a Nodal Centre for Virtual Labs by IIT Delhi. On this occasion, an introductory workshop on Virtual Labs by IIT Delhi, supported by MHRD Govt. of India, was held from 15.02.2019 to 16.02.2019 for B. Tech. II, IV and VI semester students and faculty members from various streams (CS/IT, EC, EE, ME and first year).

WORKSHOP DELIVERY

Ajay Kumar Dhanopia - Nodal Coordinator, Virtual Labs SKIT Jaipur. Subsequently two executives from Virtual Labs IIT Delhi, Mr. Prateek Sharma and Mr. Ashish Ranjan were welcomed by Prof. S.L. Surana (Director Academics) and Prof. Ramesh Kumar Pachar (Principal). Prof. Surana emphasized the importance and utility of virtual labs in the current academic scenario. He motivated the students to conduct experiments which can help them in learning basic and advanced concepts of theoretical postulates through remote

experimentation. A letter of understanding was also handed over by the delegates from IIT Delhi to Prof. S. L. Surana and Prof. Ramesh Kumar Pachar.



THE MAJOR POINTS COVERED DURING THIS WORKSHOP WERE:

1. Motivation & importance of laboratories
2. The basic idea of online learning platform
3. Objectives of the Virtual Labs
4. Types of Virtual Labs
5. Intended users
6. Participating Institutes
7. Scope of Virtual Labs
8. Practical demonstration of configuration of Virtual Lab Website www.vlabs.co.in
9. Demonstration of stream-wise laboratory experiments
10. Best practices & social impact of this project

More than 60 faculty members and 1000 students from various departments and streams attended the workshop.

WORKSHOP OUTCOMES:

1. To provide remote-access to labs in various disciplines of science and engineering. These virtual labs would facilitate undergraduate & post graduate students' as well as research scholar's level.
2. To enthuse students in conducting experiments and arousing their curiosity. This would help them in learning basic and advanced concepts through remote experimentation.
3. To provide a complete learning management system around the virtual labs where the students can use the various tools for learning like-- additional webresources, video-lectures, animated demonstrations and self-evaluation.
4. To share costly equipment and resources, which are otherwise available to limited number of users due to constraints of time and geographical locations.

WORKSHOP FEEDBACK:

Although no formal feedback was taken, informal feedback did show that participants felt pleased to avail information regarding online learning facilities. They appreciated the fact that theoretical concepts learnt in classrooms can be verified and tested practically by using virtual labs. Moreover, they were also fascinated by the fact that with very limited resources and negligible investment, they can increase their basic & advanced practical skills from remote locations also without actually visiting a laboratory and help them to study even at odd hours.

VIGILANCE AWARENESS WEEK -2018 OBSERVED

THEME FOR THIS YEAR - 'ERADICATE CORRUPTION-BUILD A NEW INDIA'

The Vigilance Awareness Week-2018 was celebrated with great zeal and enthusiasm from 29 October, to 03 November, 2018 at Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur by NSS Club. The celebrations began with integrity pledge taking ceremony by the students and staff of the college. Around three hundred employees and five hundred students participated in it. The pledge ceremony was followed by a Walkathon in which students participated with banners signifying 'No Corruption', 'Corruption-a Disease' and many more slogans.

Quiz competition on the issue of Anti-corruption was followed by a debate competition on October 31, 2018. Debate competition witnessed participation of twenty candidates and the winners were felicitated by the college management. On 01 November, 2018 an awareness campaign was conducted in Dantli village of Sanganer, Jaipur by NSS Unit of SKIT in which pamphlets were distributed among the villagers and a discussion was organized on local corruption issues in the Gram Sabha. The students also participated on the forefront on social media by creating awareness about anti-



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A BRIEF REPORT ON 'GRAMOTHAN' ACTIVITIES (2018-19)

Our Inspiration

"Mass illiteracy is the root cause behind backwardness of India. If we want speedy progress of nation we need to root it out as early as possible."

—Swami Keshvanand

AN OVERVIEW OF VARIOUS ACTIVITIES HELD IN DANTLI VILLAGE (2018-19)

The villages of our country form the rudimentary foundation and reflect the true development of our nation. A smart village essentially encompasses a sustainable and inclusive development of all the sections of the village community eventually contributing to a high standard of living. In this context, we, at SKIT, have been tirelessly working for the development of a village named Dantli which lies in the vicinity of our institute in Jagatpura. Our team has incessantly strived to contribute in an array of fields associated with education, health, clean water, sanitation and environmental sustainability by conducting medical camps, awareness programs, plantation drives and periodical door to door visits. An overview of all the events conducted at Dantli village is mentioned as follows:

I- AN EIGHT DAY NSS CAMP ORGANISED

NSS unit of SKIT organised an eight day camp from 27 February to 6 March 2019, at Dantli village (Sanganer Tehsil, Jaipur). The theme of

the camp held this year was "Gramothan".

Objectives of this camp were:

- to begin interface and rapport building with community members
- to develop long term institutional relations with the community members
- to contribute in the upliftment of people of the village
- to create awareness among teacher trainees regarding their responsibilities towards the society.

50 volunteers, including 12 girls, enthusiastically participated in the camp under the able supervision of Dr. Anurag Sharma Program Officer of NSS and under the guidance of Dr. S.L Surana Director (Academics) and Dr. Ramesh Pachar (Principal).

Activities in the camp included:

The camp began with 'Shradhanjali' to Pulwama martyrs in morning assembly, yoga exercises & singing NSS song. Chief guest of the inaugural ceremony was Mr. Manoj Sharma, Sarpanch Dantli. Apart from yoga exercises and NSS songs recited daily, there were a number of other activities and drives like -Cleanliness Drive at 'Yatri Vishram Grah', rally for 'Swachh Bharat Swasth Bharat', 'Health & Hygiene Awareness Drive', 'Nasha Mukti' Awareness Drive, Painting of "Yatri Vishram Grah" of Dantli, rally for Importance of Education, Rally for Green India, Free Eye Camp at Jaipura Village, Free Medical Camp with Neerog Trust, visit to farms to aware the villagers about new irrigation systems and technology, visit by girl -volunteers to educate females about the proper usage and disposal of sanitary napkins. In the valedictory function and Voting Awareness Programme on 6 March, 2019, the chief guest Mr. Pushpendra Bhardwaj (Chairman PCC Environmental Cell) and honored guest Mr. Manoj Sharma (Sarpanch) talked on the importance of the rights of the voters. Certificates were distributed to students by Chief Guest, Director (Academics) Dr. S.L Surana and Principal Dr. Ramesh Pachar.



Volunteer Team with Chairman SKIT Sh. Surja Ram Meel and Director Sh. Jaipal Meel

II. MEDICAL CAMP

A medical camp was organized in association with 'Neerog Trust' in Dantli on 11 February, 2018 (Sunday). Specialists from different medical fields like Dr. Arun Gupta (General Physician), Dr. Sanjay Agrawal (ENT), Dr. Anjali Tiwari (Dentist) etc. gave their voluntary

services in this camp. All medical checkups were free during the camp and medicines were also distributed free of charge. Mobile app was used for registration of the patients. Around 40 student coordinated the camp. Around 250 patients were benefitted by this camp. A 'Nukkad natak' was also played by the students for general awareness during the camp. Sarpanch of the Village Mr. Manoj Kumar Sharma appreciated the efforts made by the organizers.



Check up Process during Camp

III.SWACHH BHARAT ABHIYAN:

In a cleanliness drive the students went door to door in the village to aware the villagers about cleanliness and proper sanitation methods on 15 January, 2018. The villagers appreciated the efforts of the team.

IV. 'BETI BACHAO BETI PADHAO' DRIVE

was organized to create awareness among the villagers to save the girl child and provide proper education to the girls through events like 'Nukkad Natak' from 20 February, 2018 to 25 February, 2018.



Team of Nukkad Natak

V. PLANTATION DRIVE:

A Plantation drive was successfully organized on 11 July, 2018 in Dantli Village. Different plants such as Neem, Ashok, Peepal etc. were planted at different locations like Atal Seva Kendra, Hanuman Temple, and School. The village Sarpanch and community members also motivated and helped in the noble work done by the team.

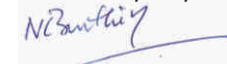


Plantation by villagers and students

PROGRAM ASSESSMENT & QUALITY IMPROVEMENT CELL: VISIT OF HEAD, PAQIC TO CLASSROOMS

A task of visiting various lecture classes to see the teaching-learning processes being followed by various faculty members and providing feedback about their strengths and areas of further improvements was undertaken by the Head of the Cell. The task in this semester began on 13 December, 2018 and ended on 11 March, 2019. Classrooms of 23 faculty members of E&C Department, 18 faculty members of Mechanical Engineering Department and 3 faculty members of Electrical Engineering Department were visited during this period. Most of the faculty members, whose classes were visited, have personally met the Head, PAQIC for feedback after the visits. Visits to the classrooms were undertaken to get firsthand knowledge about the teaching-learning processes being followed by faculty members; individual faculty members were monitored about their verbal and non-verbal communication skills, board work/PPT work and classroom interaction, including question-answer techniques followed by them. Classroom discipline was also observed. Later, during the dialogue / feedback process, the faculty members were encouraged to give their own opinion of their strengths and the areas to be improved. This dialogue proved very encouraging, with faculty members being very receptive to suggestions for improvement.

This activity may continue in the next semester also.



Dr. N.K. Banthiya, Head PAQIC, SKIT | 20.04.19

ALUMNI MEET 2019 @ PUNE

The SKIT Alumni Association organized an "ALUMNI MEET 2018 @ PUNE" to facilitate, consolidate and coordinate alumni activities at Noorya Hometel, Pune on April 06, 2019.

Major objectives of the meeting were:

- To interact with alumni and strengthen the bond and networking between institute and alumni.
- To sustain training and recruitment related activities.
- To get input of alumni regarding recent trends in industries, project development, importance of pre-campus training especially CRT, additional course content etc.
- To invite alumni at the SKIT, to motivate students and share their professional experience.
- To be active on SKIT Alumni Portal and convey the same to non-registered members.
- To ask the alumni to help the present students to get internship.

Mr. Jaipal Meel (Director, SKIT), Dr. Ramesh Pachar (Principal, SKIT), Dr. C. M. Chaudhary (HOD, CSE), and Mr. M. K. Beniwal (Associate Prof.) interacted with the students. A total of 85 alumni attended the MEET and rejoiced the reunion.

NUKKAD NATAK DRIVE BY SKIT-NSS UNIT

Education is fundamental to human progress. It plays a key role in creating patriotic, disciplined and productive manpower. Educated manpower constitutes precious assets as well as agents for advancing the nation. The role of State is important in education sector for its vertical and horizontal growth. One of the major drawbacks of our present system of education is that it gives our students the impression that their aim in life is to pass the university examinations, instead of becoming a man of good character and sound temperament. This mentality has many socio-economic evils rooted in it. Naturally, the products of such education system do not contribute to the development of the country, but add to its woes. For improvement in Education system the young minds of SKIT- NSS students started performing 'Nukkad Natak' on every Sunday at different locations of our city with an intent to aware our citizens and administration for improvement in our education system.



WORKSHOP ON SCILAB ORGANISED

The department of computer science engineering of SKIT and IIT Bombay jointly organized an international workshop on 'Scilab' for teachers on 4 May, 2019 under the 'Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT)', MHRD, Govt. of India, conducted by The Teaching Learning Centre (ICT), supported by FOSSEE & Spoken Tutorials. This workshop was addressed by Prof. Kannan Moudgalya, Principal Investigator, TLC (ICT), Spoken Tutorial and FOSSEE projects, IIT Bombay.

Prof. Kannan informed that Scilab is a Free-Libre / Open Source Software (FLOSS), created mainly for numerical computations. It uses the state of the art numerical libraries, such as LINPACK, EISPACK and LAPACK, and hence, its results are highly reliable. Scilab implements user friendly language, similar to the one used in the popular software Matlab. But unlike Matlab, Scilab can be freely downloaded, copied, modified and also distributed. Naturally, Scilab can be used absolutely free of cost, unlike Matlab, which can be extremely expensive, especially to the industry. Scilab comes with a graphical programming interface Xcos, which is similar to Simulink. Prof. Kannan also highlighted the importance of Scilab workshop and explained the execution process of this workshop and Scilab console. In the end Prof. Kannan pointed out various uses of Scilab in the field of science and technology and also motivated all

the participants to use Scilab for their future research work. More than 100 candidates were enrolled for the workshop. The workshop was coordinated by Mr. Kailash Soni under the supervision of SKIT remote centre coordinator Dr. Mukesh Kumar Gupta.

GLIMPSES OF WORKSHOP:-



Group photo of Scilab workshop participants.



Group photo of Scilab workshop participants.

INDUSTRY ACADEMIA CONCLAVE

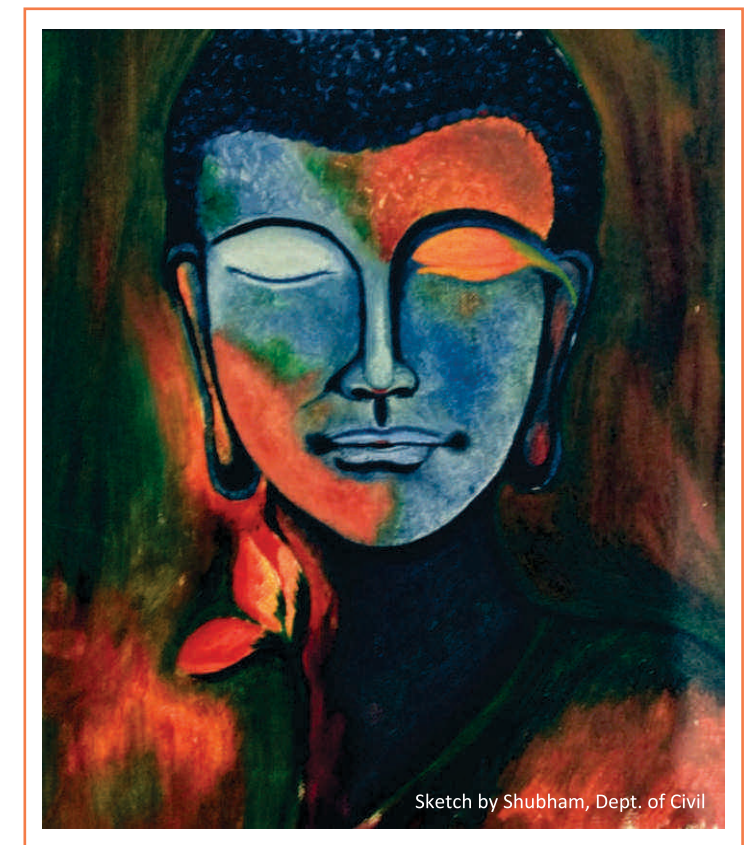
Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur organised "Industry Academia Conclave" in association with 'The Employers Association of Rajasthan' and 'Bhardwaj Foundation', Jaipur on August 04, 2018 at SKIT in Gyan Mandir auditorium. Shri P. M. Bhardwaj, Founder President 'Bhardwaj Foundation', Jaipur; Shri N. K. Jain, President 'The Employers Association of Rajasthan', Jaipur; Shri Surja Ram Meel, Chairman (SKIT); Shri Jaipal Meel, Director (SKIT); Prof S. L. Surana, Prof (Dr.) S. K. Calla; 40 delegates from various industries and 9 Vice chancellors from various universities attended the program. During the program, a memorandum of understanding (MoU) was signed among Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur; The Employers' Association of Rajasthan, Jaipur and Bhardwaj Foundation, Jaipur for skills development, academic industry interface placements, consultancy, R&D services and other related services. Shri P. M. Bhardwaj talked about various strategies for making engineers suitable for industry. Shri N. K. Jain delivered a talk on perspective of Industries related to industry institution interface. Two panel discussion sessions were also held during the program hosted by Shri P. M. Bhardwaj and Shri N. K. Jain respectively. The learned delegates from industries and academics shared their views about the career perspectives and skill development.

2374 STUDENTS ENROLLED IN TRAINING WORK DONE IN COLLABORATION WITH IIT BOMBOY-ST (SPOKEN TUTORIAL) DURING 2018-19

2374 students of SKIT & MG have enrolled in various FOSS (Free and Open Source Software) developed and certified by IIT-Bombay during academic session 2018-19.

Details of the students enrolled in various FOSS under Spoken Tutorial IT/Software Training Programme during 2018-19 are as following:

S.N.	FOSS	PARTICIPANTS
1.	Qcad	142
2.	C and Cpp	217
3.	Linux	408
4.	Introduction to Computers	1
5.	LaTeX	653
6.	Joomla	90
7.	Java	138
8.	Scilab	206
9.	Arduino	519
Grand Total		2374



Sketch by Shubham, Dept. of Civil

DEPARTMENT OF COMPUTER ENGINEERING

WORKSHOPS ORGANIZED

1. A one week TEQIP-III sponsored Faculty Development Program on "Practical Exposure of Latex, MatLab, Python & Machine Learning" was organised by Dr. Mukesh Gupta in association with Rajasthan Technical University, Kota & department of CSE, SKIT M&G, Jaipur.

The workshop was organised from 11 to 15 June, 2018. 80 participants attended the workshop.

Objectives of the program were:

- To provide a practical exposure of Latex and Mat Lab
- To understand the concept of Python and Machine Learning.

2. The 1st International Workshop on 'Image Processing and



Pattern Recognition' was organised by the department of CSE, SKIT M&G, Jaipur on 29 March, 2018.

115 participants from various colleges and universities attended the workshop.

Objectives of the workshop were:

- To understand the concept of Image Processing, Machine Learning & Deep Learning.
- To provide an exposure of recent advancements in Image Processing and Pattern Recognition.
- To provide hands-on-experience of best practices for Pattern Recognition.

3. The 1st International Conference on "Emerging Technologies in Computer Engineering," (ICETCE-2018) technically sponsored by Computer Society Chapter, IEEE Delhi, and was partly organized by the Department of CSE, SKIT M&G, Jaipur on 2 to 3 February, 2018. There were 203 participants who attended the workshop.

Objectives of the program were:

- To aware the faculty about Campus Connect Foundation Program and implement the same in a better way.
 - To prepare faculty to roll out the Foundation Program in Campus Connect Partner Colleges.
 - To build a sustainable partnership with engineering education institutions in India and abroad, for mutual benefit and forming 'industry ready' workforce. It provided a platform for the faculty members to know more about the Infosys way of professional training and best industry practices.
4. A National Workshop on "Web Applications and Security" sponsored by Infosys Ltd. was organized by the Department of CSE at SKIT M& G, Jaipur, on 29&-30 January, 2018. 89 participants who attended the workshop, were given exposure to the technology of Spring Framework, Network



Security, Cryptography, Digitally Signed Documents.
Tools used were: Eclipse Mars, My SQL, Java 1.6, Apache Tomcat Server 8, Spring Framework.

5. A National Workshop on "IT/Software Project Management and IEEE Standards in the Current Emerging/Future Technologies" was organized by department of CSE, SKIT M&G on 01 February, 2018. It was attended by 315 participants from various parts of the country.

The workshop was sponsored by Computer Society Chapter, IEEE Delhi Section

Objectives of the workshop were:

- To build IT/Software projects-- Build to Last to Build to Change
- To be aware about the 'Emerging Challenges from Project Management to Project Governance'.
- To learn about skills and experiences in designing Large



Educational IT Projects.
• To understand the role of standards in IT Project Governance.

INTERNATIONAL CONFERENCE ORGANIZED:

The Department of Computer Science & Information Technology organised an International Conference on 'Emerging Technology in Computer Engineering' on 1 & 2 February, 2019. The conference included panel discussions and sessions. It provided a platform for the participants to share their views with peers and experts from various parts of the country. The conference was attended by more than 100 participants and a total of 60 technical papers were presented on various topics related to emerging technology in computer engineering.

The inaugural ceremony began with a welcome speech by Mr. Jaipal Meel, Director SKIT. Prof. S.L.Surana, Director (Academics), threw light on the theme of the conference. The workshop fielded eminent speakers. The Chief Guest for the conference was Mr Subir Kumar (Managing Director Jaipur Metro Rail Corporation Limited). The keynote speaker in the inaugural session was Prof. Seerama Ramakrishna (Vice President Research Strategy NUS, Singapore). A brief introductory speech about the themes of the day was delivered by Mr. Ripudaman Magon (Managing Director, Natural's Group). The Guests of Honor Mr. Manish Sharma (Technology Architect, Infosys Limited), and Mr. Lawrence Mohan Raj (Leader Student Developer, IBM India Private Limited) motivated the participants. Prof. C.M. Chaudhary (Convener, ICETCE) presented a summary report of the conference. The Guest of Honour, along with other faculty members of the department, distributed prizes and certificates for paper presentation and poster making competition. A vote of thanks was given by Mrs. Anjana Sangwan (Secretary, ICETCE). Prof. C.M Choudhary and Prof. Anil Chaudhary were the conveners of the conference.

WORKSHOPS ORGANISED:

1. The Department of Computer Science & Information Technology conducted a two day workshop sponsored by IBM Developer Ecosystem on "Build a Handwritten Digit Recognizer using Watson Studio & PyTorch", from 31 January & 1 February 2019. The objective of the workshop was to build and train AI & machine learning models, prepare and analyze data in a flexible, hybrid cloud environment. The students created a new IBM Cloud account where they created handwritten digit recognizer and deployed a Chat Bot on Cloud for Mobile Applications under the guidance of Miss Riya M Roy and Mr. Lawrence Mohanraj. The event was coordinated by Ms. Anjana Sangwan, Mr. M.K. Beniwal, Mr. Pankaj Dadheech and Ms. Priyanka.

2. The Department of Computer Science & Information Technology organized a two day workshop sponsored by the Department of Science and Technology, Government of Rajasthan, on "Micro Services and their Application in Analytics and Cloud" on February 2 & 3, 2019. The objective of this workshop was to provide training in the said field. In all 80 students and 5 faculty members from the department participated in the programme.

3. A one day National Workshop was conducted by the Teaching Learning Centre IIT Bombay, at the Remote Center(SKIT), Jaipur, Rajasthan, under 'Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT)', MHRD, Govt. of India. The topic of the workshop was "Koha and Library Automation", it was jointly coordinated by Dr. Mukesh Kumar Gupta, Professor, and Mr. D. R. Bhincher, Librarian, SKIT on 9 March, 2019.



4. A one day National Workshop was conducted by the Teaching Learning Centre at IIT Bombay, at the Remote Center(SKIT), Jaipur, Rajasthan, under 'Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT)', MHRD, Govt. of India. The topic of the workshop was "Moodle Learning Management System", it was coordinated by Dr. Mukesh Kumar Gupta, Professor, on 15 March, 2019. The participants got knowledge of latest management system in their respective areas.



HACKATHON-2019 AT SKIT

The Department of Computer Science & Information Technology, in association with Rajasthan Technical University, Kota successfully conducted a 36-hour non-stop coding competition on Hackathon - 2019 on February 02 & 03, 2019. It was sponsored by TEQIP-III, a Govt. initiative project for Technical Education Quality Improvement. Dr. Mukesh Gupta was the convener of this two days event. More than 600 students from different government & private engineering colleges from all over Rajasthan and experts from various domains also participated. Technical partners in this event were Paytm, Zebronic, Capgemini, Teligenz, NIIT Tech, Metacube, Naturals etc.

AWARDS/ ACHIEVEMENTS (FACULTY)

- INSPIRE - 2018 (Technical Skills-Nominations) for Faculty Partnership Level, awarded by INFOSYS

FACULTY NAME	Partnership Level
Prof. (Dr.) Anil Chaudhary	Gold
Mr.Mahender Kumar Beniwal	Gold
Mr.Shubham Kumar Gupta	Gold
Mr. Naveen Jain	Gold
Mr.PankajDadheech	Silver
Mr.KanakGiri	Silver
Ms.Priyanka Sharma	Bronze

- Dr.Mukesh Gupta Professor in Department of Computer Science & Engineering has been nominated as a member of the Department Research Committee (DRC) of RTU, Kota, by the Hon'ble Vice Chancellor, at Rajasthan Technical University, Kota.
- Dr. Basant Agarwal received an appreciation certificate from Prof. (Dr.) S.L Surana, Director Academics at SKIT, for publishing his paper on 'The Journal Information Processing Management'.
- Mr. Vinod Meneria received an appreciation certificate from Prof. (Dr.) S.L Surana, Director Academics at SKIT, for publishing his paper 'A Fault Tolerance based Route Optimisation and Data Aggregation using Artificial Intelligence to enhance performance in Wireless Sensor Networks' in IJWMC.
- Dr. Shubhra Saxena received an appreciation certificate from Prof. (Dr.) A. K. Dwivedi, COE at RTU, in National Seminar on 'Women in Leadership: Expanding Horizons' at CIITM.

AWARDS/ ACHIEVEMENTS (STUDENTS)

- Mr. Abhijeet Yadav, (Final year) secured 3rd Rank out of 64000+ participations from all over India in TCS in "EnQuode 2018- The TCS Quality Engineering Contest". He was selected in TCS as a System Engineer Trainee, in Grade C1.
- Mr. Vikas Motwani, (Final year) has been selected in INFY Hackathon out of 100 students in the second round in a Pan India contest, as specialist system engineer.
- Ms. Anjali Kumari, Mr. Hardik Dadhich, and Mr. Tushar Kumawat (Final year), cleared TCS Codevita coding contest and got an offer letter.
- Ms. Udita Garg, (Final year) has been selected out of 7000 students in 'Student Start up Exposure Program', organized by department of Information Technology and Communication, Government of Rajasthan.

WORKSHOPS ATTENDED

TITLE : 3rd Edition Digital Rajasthan Conclave
DATE : 29 August 2018
VENUE : Hotel Holiday Inn, 22 Godam Circle, Sardar Patel Marg, C Scheme, Jaipur
ATTENDED BY : Mr Naveen Jain, Mrs Shalini Singhal Ms. Tanushree

TITLE : Faculty Knowledge Sharing Programon "Creating Classroom Excellence through Communication."
DATE : 11 August 2018
VENUE : Hotel Holiday Inn (Near 22 Godam, Jaipur)
ATTENDED BY : Mr. Naveen Jain

TITLE : Infosys Campus Connect Faculty Enablement Program (FEP) on "Agile Software Development."
DATE : 16 July to 20 July, 2018
VENUE : PSIT, Kanpur
ATTENDED BY : Mr.Shubham Kumar Gupta, Mr. Naveen Jain

TITLE : TEQIP III sponsored workshop on "Writing Research Papers Using LaTeX"
DATE : 21 to 23 May 2018
VENUE : Global Institute of Technology, Jaipur.
ATTENDED BY : Mr. Naveen Jain, Mrs.Sushila Bishnoi Ms.Tanushree

TITLE : Faculty Development Programme (FDP) conducted by TEQIP III on "How to Get Research Paper Published "
DATE : 21 June 2018
VENUE : Vedant College of Engineering & Technology, Bundi.
ATTENDED BY : Mr.. Naveen Jain

TITLE : TEQIP III sponsored one day workshop on "Advancements in PERL Language"
DATE : 06 April 2018
VENUE : Modi Institute of Technology, Kota.
ATTENDED BY : Mr. Naveen Jain

TITLE : 'EduHack'
DATE : 26 July 2018.
VENUE : Rajasthan-Digifest- Govt. Polytechnic College, Bikaner-5.0.
ATTENDED BY : Mr. Kanak Giri

WORKSHOP ON: Artificial Intelligence with Deep Learning AIDL-2019
DATE : 25 to 26 March, 2019
ATTENDED BY : Shanu Tripathi, Hrapreet Singh Gill, Neha Mathur, Kajal Mathur, Dr. Sunita Gupta, Rubal Deep Gill, Priyanka Sharma, Nidhi Srivastava, Naveen Jain and Rashmi Dadich
ORGANISED BY : Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur and sponsored by DST Rajasthan

FACULTY DEVELOPMENT PROGRAMME (FDP) ATTENDED:

NAME : Ms. Sushila Vishnoi
TITLE : Authoring Technical Documents with Latex (A) Technical Writing (B) Reviewing Manuscripts
DATE : 5 to 7 April 2019 and 13 to 14 April 2019
VENUE: MNIT, Jaipur

TITLE : Research Paper Writing Tools & Techniques
DATE : 13 September to 15 September 201
VENUE : Compucom Institute of Technology & Management, Sitapura. Jaipur
ATTENDED BY : Naveen Jain, Pankaj Dadheech

TITLE : (FDP) – 'Business 4.0 and Agile Technologies' conducted by Tata Consultancy Services (TCS)
DATE : 17 December 2018
VENUE : Arya College of Engineering and I.T
ATTENDED BY : Dr. Rajat Goel, Ms. Aakriti Singhal, Mr. Naveen Jain and Ms. Garima Gupta.

TITLE : Experiential & Project Based Learning (PjBL) in Engineering Educa..on (Master Class)
DATE : 11 February 2019 to 12 February 2019
VENUE : J K Lakshmi Pat University, Jaipur
ATTENDED BY : Dr. Archana Saxena Dr. Shubhra Saxena, Priyanka Bhard

NPTEL COURSE COMPLETED BY FACULTY

COURSE/ TOPIC : Embedded System Design with Arm.
COMPLETED BY : Ms. Shanu Tripathi
ORGANISED BY : IIT, KHARAGPUR. January to March 2019

COURSE/ TOPIC : Introduction to Programming in C
COMPLETED BY : Mr Kailash Soni
ORGANISED BY : IIT Madras, July-Dec 2018

COURSE/ TOPIC : Database Management System
COMPLETED BY : Mr Kailash Soni
ORGANISED BY : IIT Kharagpur, Jan-April 2019

COURSE/ TOPIC : Database Management System
COMPLETED BY : Mr Neeraj Garg
ORGANISED BY : IIT Kharagpur, Jan-April 2019

BOOK PUBLISHED

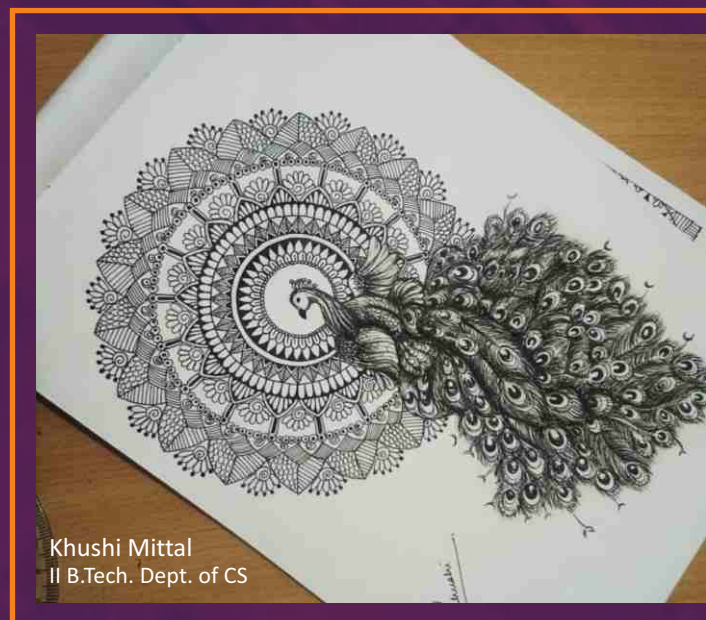
TITLE : Cloud Computing
AUTHOR : Mehul Mahrishi
PUBLISHER : BPB, April, 2019.

PH.D AWARDED

THESIS TOPIC : Analysis of 3 Tier Optimizatoon Approaches of Feature Extraction for Facial Gesture Recognition
Ph. D AWARDED TO : Ms. Neha Janu
GUIDED BY : Dr. Pratisha Mathur
FROM : Banasthal Vidyapith, Rajasthan
YEAR : September. 2018.



Khushi Mittal
II B.Tech. Dept. of CS



Khushi Mittal
II B.Tech. Dept. of CS

DEPARTMENT OF MECHANICAL ENGINEERING

NATIONAL CONFERENCE ON FUTURE DIMENSIONS IN MECHANICAL ENGINEERING (NCFDME-18)

A two day National Conference on 'Future Dimensions in Mechanical Engineering' (NCFDME-18) was organized by the department of Mechanical Engineering, SKIT, Jaipur on August 10 to 11, 2018.

The conference was inaugurated by Shri Kuldeep Ranka, MD & Director, RIICO; in the presence of Shri Avinash Panwar, Director, CEG, Jaipur; Shri Surja Ram Meel, Chairman, SKIT, Jaipur; Shri Jaipal Meel, Director, SKIT; Prof. S.L. Surana, Director (Academics) SKIT, Dr. S. K. Calla, Director (D & W), SKIT; Dr. Ramesh Kumar Pachar, Principal, SKIT; Dr. N K Banthiya, Head, PAQIC and Dr. N C Bhandari, Head of Mechanical Engineering Department, SKIT, Jaipur.

Shri Kuldeep Ranka, MD & Director, RIICO was the Chief Guest and Shri Avinash Panwar, Director, CEG, Jaipur was the guest of honor for the inaugural session. Dr. Santosh Kumar Sahu, Associate Professor, IIT Indore delivered the plenary talk of the conference.

The following were the resource persons in the various technical sessions held for two days

Keynote Speaker	Session Chair
Dr. Harlal Singh Mali, MNIT, Jaipur	Dr. Shiv Ranjan Kumar JECRC University, Jaipur
Dr. Chandrakant Kumar Nirala, IIT Ropar	Prof.(Dr.) Rahul Goyal, Manipal University,, Jaipur
Dr. K K Khatri, LNMIIT, Jaipur	Dr. K K Khatri, LNMIIT, Jaipur
Dr. Praveen Pandey, Echleon Institute of Technology, Faridabad	Dr. Vikash Gautam, SKIT, Jaipur
Dr. N C Bhandari, SKIT, Jaipur	Mr. D. Hariyani, SKIT, Jaipur
Dr. N K Banthiya, SKIT, Jaipur	Mr. Dheeraj Joshi, SKIT, Jaipur

The conference was attended by more than 300 participants and a total of 60 technical papers were presented on various topics supported by recent innovative trends in mechanical engineering. The conference also had various parallel activities such as Project



Expo, Quiz and Poster presentation in which quite a good number of students participated and won various cash prizes.



A special group of 28 students with two faculty members from Thiruvalluvar College of Engineering and Technology, Tamil Nadu also participated in the conference. The conference also received an international research paper entitled "A review on Nano Composite Materials and their Applications" by Haitham Al-Harrasi, a mechanical engineering undergraduate, from Sultan Qaboos University, Oman



REPORT ON INSTALLATION OF THE CNC ULTRASONIC MACHINE IN THE DEPARTMENT

A CNC ultrasonic machine was received by the department on Aug. 20, 2018 under the MODROB Scheme-2017-18. A team of three service engineers and executives from the supplier firm K & K Engineers, Delhi visited the department for installation and training on August 23, 2018. The machine was checked and installed properly in the CAM laboratory. A training session was also organized on August 24 2018, after the installation. The objective of training was to acquaint the faculty and staff members with the basic features and functioning of the machine. A hands-on-training was also given specifically on different functions of the machine like drilling, engraving, profiling, etc.

CERTIFICATE OF MERIT & CASH AWARD TO MR. AJAY KUMAR DHANOPIA

Mr. Ajay Kumar Dhanopia was honored and given a certificate of merit & a cash award of Rs. 3600 by National Skills Development Corporation (NSDC) under the aegis of Ministry of Skill Development and Entrepreneurship (MSDE) for participating in 'India Skills West 2018' as Jury Member in the skill category in Mechanical-CAD held at Jaipur Exhibition & Convention Centre, Jaipur from 24 to 26 May, 2018.

GUEST LECTURE

The department of Mechanical Engineering organized a guest lecture on 'Opportunities in Aerospace Engineering' on 6 August 2018, by Dr. Gokhele, former Director, NIT Nagpur with an objective to provide the students and faculty an opportunity to get a head start in aerospace engineering, which is an advanced and innovative technology in the field of engineering science and research.

ORGANISED PRE GATE TEST-2019

The department of Mechanical Engineering conducted the Pre-GATE Test-2019 for the final and pre-final year students of Mechanical Engineering. Three tests, each of 3 hours duration, were conducted. Two tests were conducted online on 27-10-2018 & 23-01-2019 by the department, and one test was conducted offline by an external agency on 09-01-2019. The tests were coordinated by Mr. Chandan Kumar, (Assistant professor) under the supervision of Dr. N.C. Bhandari, HOD (ME). Mr. Ajay Dhanopia and Mr. Suresh Choudhary also helped in the smooth conduction of the programme.



GUEST LECTURE ON "ADVANCES IN MATERIAL SCIENCES - MATERIAL CHARACTERIZATION"

A guest lecture on "Advances in Material Sciences- Material Characterization" was organized in the department of Mechanical Engineering on 6 February, 2019. Dr. Meghanshu Vashishta, (Associate Professor, Department of Mechanical Engineering IIT

BHU) delivered a talk on recent techniques in identifying residual stresses in materials and material characterization. The program began with a formal welcome of Dr. Meghanshu Vashishta followed by lectures and discussions with the students and faculty members. Dr. Meghanshu Vashishta focused on the research opportunities in the field of material characterization, especially determination of residual stresses in steels by Bauschinger Noise Analysis. The program ended with a vote of thanks and memento presentation by the HOD.

ASME STUDENT SECTION SKIT WON FIRST PRIZE IN IAM3D ASIA PACIFIC 2019

A team of four students from ASME Student Section of SKIT, won the first prize in the reputed IAM3D competition under ASME E-Fest Asia Pacific 2019, held at VIT Vellore. The ASME Innovative Additive Manufacturing 3D (IAM3D) Challenge is a part of ASME's Global e-Fests (Engineering Festivals). It is designed to give an opportunity, to all multi-disciplinary undergraduates around the world, to re-engineer existing products and create new designs. Prashant Agarwal, Jayesh Malviya, Lavish Jain and Lakshay Khandelwal, (all from VI semester mechanical engineering) participated in the competition. The team designed, manufactured and tested a hovercraft using 3-D printing for natural disasters. Bauschinger Noise Analysis. The program ended with a vote of thanks and memento presentation by the HoD.



25 teams from IITs, NITs, Hongkong Polytechnic and other reputed institutes from Asia Pacific participated in the competition. Entire project was conducted under the supervision of Mr. Arun Beniwal, Mr. Manoj Kumar Sain and guidance of Dr. N. K. Banthiya (Advisor, ASME Student GUEST LECTURE ON Section).



POSTER EXHIBITION ON RENEWABLE ENERGY RESOURCES AND TECHNIQUES ORGANISED BY RENEWABLE ENERGY CLUB

A Poster Exhibition on Renewable Energy Resources and Techniques was organised by renewable energy club at Renewable Energy Lab, in the department of Mechanical Engineering, on 13 February, 2019. 56 students participated in the exhibition and 22 posters were displayed and presented by the students.

IIT BOMBAY TECHFEST "TECHNORION" 2018 ORGANIZED BY THE ASME STUDENT SECTION AND THE ROBOTICS CLUB SKIT

A zonal competition of IIT Bombay TechFest 2018 "Technorion" was organized on September 30, 2018, by the ASME & ROBOTICS CLUB SKIT at Swami Keshvanand Institute of Technology, Management & Gramothan. Many college and school students of North India participated enthusiastically in the event. Faculty coordinator Mr. Praveen Saraswat, welcomed the delegates of TechFest IIT Bombay in the inaugural ceremony at J.C. Bose Seminar Hall. One of the delegates gave an overview of the events. Later, the competitions Cozmo Clench, Meshmerize and Codecode were held in the badminton court (Civil Block), Soft Skills Cell (Civil Block) and in various rooms of Mechanical block respectively. 320 participants took part in the competitions.

Finally, the results were declared and prizes were distributed by Prof. S.L. Surana (Director, Academics), Prof. N.K. Banthiya (Head, PAQIC) and Dr. N.C. Bhandari (Head, Mechanical Department) at J.C. Bose Seminar Hall. The event concluded with a vote of thanks by the student coordinator.

PARTICIPATION OF SAE INDIA SKIT COLLEGIATE CLUB, IN BAJA SAEINDIA, INDORE, 2019 AND ENDURO STUDENT INDIA, PUNE, 2019

SAE India SKIT Club, participated in two national level events -- BAJA SAEINDIA 2019, held at Pithampur, Indore (Madhya Pradesh) from 22 January to 27 January, 2019 and Enduro Student India 2019, held at Talegaon, Pune (Maharashtra) from 14 February to 19 February, 2019. The teams had to bring self-designed and fabricated 'All-Terrain Vehicles' in these competitions. The competitions continued for 6 days and included technical scrutiny check, design evaluation, cost presentation, dynamic events and a final endurance run. A total

of 150 teams participated in both the events. The SAE INDIA SKIT team successfully built the vehicle which proved very durable in the dynamic events. The vehicle stood out amongst the best teams of the country in terms of performance. The team also showcased strong preparation in various static events like design evaluation, cost presentation and business event. The club works under the guidance of Dr. Ashish Nayyar, Mr. Yogesh Sharma and Mr. Saurabh Gupta.

WORKSHOPS ORGANIZED

ONE DAY STATE LEVEL WORKSHOP ON VIRTUAL LABS

A state-level workshop on Virtual Labs was organized on 6 April, 2019 at SKIT, Jaipur campus for faculty members of different engineering and polytechnic institutes / branches (EC, ME, CE, CS & EE) by our Virtual Labs team and IIT Delhi. It was supported by MHRD, Govt. of India. Virtual Labs mentors for this workshop were Mr. Ashish Ranjan, Mr. Ashish Mudgal & Mr. Prateek Sharma. A total of 41 faculty members attended this workshop. The workshop commenced with a welcome speech by Mr. Ajay Kumar Dhanopia (Nodal Coordinator). After this, the mentors from Virtual Labs IIT Delhi, were welcomed with flowers by Prof. S. L. Surana (Director, Academics) who also said a few words on the importance and utility of Virtual Labs in current academics. The first session featured presentations followed by stream wise demonstrations of laboratory experiments. A hands-on session on virtual labs was held in the post lunch session to explore different laboratory experiments. In the end certificates were distributed among participants.



INTERACTION WITH OUTSIDE WORLD

Dr. N.K. Banthiya acted as the Reviewer for Sixth International Conference on Transformations in Engineering Education (ICTIEE 2019)

FACULTY DEVELOPMENT PROGRAM 2018

A three day faculty development program was organized by the Department of Mechanical Engineering from June 26 to 28, 2018. Its prime objective was to instruct the faculty about setting question papers and proper evaluation of answer books. The course and content of the program was designed and delivered by Prof. (Dr.) N.K. Banthiya, Head PAQIC. Faculty members from all the departments of the institute participated in the program.

WORKSHOP ON 'INFLUX OF RENEWABLE ENERGY'



Renewable Energy Club (REC) organized a workshop on "Influx of Renewable Energy" in association with REEPA (Renewable Energy Entrepreneur and Professional Associates) on 10 April, 2019 in J.C. Bose auditorium at SKIT. Mr. U.K. Shekhar (Rajasthan State Head, REEPA) enlightened the students about renewable energy and what it actually means. He is also our alumnus. Various faculty members and students attended the workshop and participation certificates will be awarded to all. The workshop was coordinated by Mr. Nitin Goyal, Faculty Coordinator, REC.

"PARINDA CLUB"



In the present era, it is very challenging to balance human life and ecological life. So, the mechanical engineering department of SKIT created a PARINDA CLUB to feed birds in the summer season. An event was organized by the club on 25 April, 2019 on the front lawn of Mechanical Department. Dr. S. L. Surana, Director (Academics), Dr. Ramesh Pachar (Principal), Dr. N. C. Bhandari (HOD, MED) and Mr. B. S. Sharma (Asst Registrar) were the chief guests of the event. A number of faculty and staff members vowed to install and maintain PARINDAS (earthen water pots). We expect that other faculty members and the students will join us. Coordinators of the event were Mr. Pramod Jain, Mr. Nikhil Sharma and Mr. Suresh Chaudhary.



Mohit Yadav
III B.Tech. Dept. of CE



Harshit Bhatt

ROBOTICS CLUB ACHIEVEMENTS 2018-19

S.No.	Team Member	Branch	Date	Place	Event	Position
1.	Chirag Jain	CS 1st YEAR	15 Oct. 18	GIT, Jaipur	JIGYASA, Line Follower	I
1.	Mohit Agarwal	CS 1st YEAR				
1.	Nitin Chittoria	EC 1st YEAR				
1.	Bhavya Bhatnagar	EC 1st YEAR				
2.	Shubham Menroy	CS 1st YEAR	15 Oct. 18	GIT, Jaipur	JIGYASA, Line Follower II	II
3.	Arushi Arora	CS 1st YEAR	15 Oct. 18	GIT, Jaipur	JIGYASA, Robo Racell	
3.	Ishita Vaid	CE 1st YEAR				
3.	Chirag Bohra	CS 1st YEAR				
3.	Ashik Sain	CS 1st YEAR				
4.	Anirudh Yogi	ME 3rd YEAR	19 Jan.19	LNMIIT, Jaipur	PLINTH, Pick and Place	II
4.	Veerendra Singh	EC 3rd YEAR				
5.	Deepak Kumar	ME 2nd YEAR	25 Jan.19	SKIT, Jaipur	COGNIZANCE IIT, ROORKEE Pick and Place	I
5.	Brij Bhushan	EC 2nd YEAR				
5.	Varnit Kashyap	EE 2nd YEAR				
5.	Harsh Nandawana	ME 2nd YEAR				
5.	Arpit Chechani	ME 2nd YEAR				
5.	Sahil Yadav	EE 2nd YEAR				
6.	Mohit Agarwal	CS 1st YEAR	27 Jan.19	JKLU, Jaipur	TECHNOCRUSE IIT, KANPUR Line Follower	I
6.	Gopal Gupta	EC 3rd YEAR				
6.	Nitin Chittoria	EC 1st YEAR				
6.	Bhavya Bhatnagar	EC 1st YEAR				
7.	Harsh Nandawana	ME 2nd YEAR	27 Jan.19	JKLU, Jaipur	TECHNOCRUSE IIT, KANPUR Pick and Place	II
7.	Arpit Chechani	ME 2nd YEAR				
7.	Varnit Kashyap	EE 2nd YEAR				
7.	Deepak Kumar	ME 2nd YEAR				
7.	Brij Bhushan	EC 2nd YEAR				
7.	Sahil Yadav	EC 2nd YEAR				

PAPERS PRESENTED

TOPIC : Design, Testing and Fabrication of Electric Power Solid Fertilizer Spreading Machine

AUTHORS : Chandan Kumar, Keshav Mot, Kuldeep Singh Rathor

CONFERENCE : 4th National Conference on Technology Enabling Modernization of Rural India (TMRI-2019), at Suresh Gyan Vihar University, Jaipur, March 30, 2019

TOPIC : Multi agent System: Concepts and Applications in Supply Chain

AUTHORS : Om Ji Shukla and Ganesh Patel

CONFERENCE : International Conference on Advancement in Computing & Management (ICACM-2019), at Jagannath University Jaipur, April 13-14, 2019

TOPIC : Evaluation of Combustion Characteristics of Diethyl Ether–Nitromethane–Diesel Blends in CI Engine

AUTHORS : Chandan Kumar, Kunj Bihari Rana, Brajesh Tripathi, Ashish Nayyar

CONFERENCE : International Conference on Sustainable Energy and Environmental Challenges (3rd SEEC), IIT Roorkee, India, December 18 to 21, 2018

TOPIC : Applications of Nano-cutting Fluids for Sustainable Metal Machining Processes

AUTHORS : Vinay Singh Marwal

CONFERENCE : International Conference on Trends & Innovation in Product Development and Manufacturing in Mechanical Engineering, Kautilya Institute of Technology & Engineering, Jaipur, September 21, 2018

TOPIC : Solving an Intractable Stochastic Partial Back ordering Inventory Problem using Machine Learning

AUTHORS : Nidhi Srivastav, Achin Srivastav

CONFERENCE : International Conference on Emerging

Technologies in Computer Engineering (ICETCE 2019), Swami Keshvan and Institute of Technology, Jaipur, 1to 2 Feb, 2019

TOPIC : An Introduction to the Design of Foldable E-Bike for Clean & Safe Travelling

AUTHORS : Ajay Kumar Dhanopia

CONFERENCE : National Conference on Sustainable Development (SDSC-2019), Swami Keshvanand Institute of Technology, Jaipur, February 18 to19, 2019

TOPIC : Water and Land use Management: A Review for Sustainability Aspect

AUTHORS : Madhukar Kumar

CONFERENCE : National Conference on Sustainable Development (SDSC-2019), Swami Keshvanand Institute of Technology, Jaipur, February 18 to 19, 2019

WORKSHOP ATTENDED

WORKSHOP ON : Virtual Labs

DATE : February 15 to 16, 2019

ATTENDED BY : Ajay Kumar Dhanopia

ORGANISED BY : Indian Institute of Technology Delhi, India supported by MHRD Govt. of India at Swami Keshvanand Institute of Technology, Jaipur,

WORKSHOP ON : Capacity Building Program on Energy Simulation using EMIS BEP Tools for Implementing Energy Conversation Building Code in Rajasthan

DATE : December 20 to 21, 2018

ATTENDED BY : Madhukar Kumar

ORGANISED BY : Rajasthan Renewable Energy Corporation Limited.

WORKSHOP ON : State Level Workshop on Virtual Labs: IIT Delhi

DATE : April 6, 2019

ATTENDED BY : Ajay Kumar Dhanopia (Nodal Coordinator), Amit Kumar Bansal, Vinay Singh Marwal, Om Ji Shukla, Dinesh Kumar Sharma, Sudesh Garg, Madhukar Kumar, Saurabh Gupta, Pramod Jain, Keshav Jakotia

ORGANIZED BY : Virtual Labs: IIT Delhi at SKIT Jaipur

WORKSHOP ON : National Workshop on Artificial Intelligence with Deep Learning

DATE : March 25-26, 2019

ATTENDED BY : Achin Srivastav, Amit Bansal, Sudesh Garg

ORGANIZED BY : Department of Electronics and Communications Engineering, SKIT Jaipur

WORKSHOP ON : Five day AICTE Training and Learning Academy (ATAL) Workshop on “3D Printing”

DATE : March 25-29, 2019.

ATTENDED BY : Amit Kumar Bansal, Om Ji Shukla, Ajay Kumar Dhanopia

ORGANIZED BY : MNIT Jaipur

WORKSHOP ON : Five day AICTE Training and Learning Academy (ATAL) workshop on “Industry 4.0”

DATE : April 22-26, 2019.

ATTENDED BY : Om Ji Shukla

ORGANIZED BY : MNIT Jaipur

WORKSHOP ON : Five day AICTE Training and Learning Academy (ATAL) workshop on “Energy Storage: The Future of Energy”

DATE : March 11-15, 2019.

ATTENDED BY : Dinesh Kumar Sharma

ORGANIZED BY : MNIT Jaipur

WORKSHOP ON : Intellectual Property Rights (IPR): Awareness & Training Programme

DATE : March 26, 2019.

ATTENDED BY : Amit Kumar Bansal, Sudesh Garg, Madhukar Kumar

ORGANIZED BY : Department of Management Studies, SKIT Jaipur

NPTL COURSE COMPLETED BY FACULTY

COURSE/TOPIC : Fundamentals of Machining Processes
COMPLETED BY : Vinay Singh Marwal (Top 1% of Certified Candidates, AIR-5, Gold)

ORGANISED BY : IIT Roorkee, July - Oct, 2018

COURSE/TOPIC : Management of Inventory Systems

COMPLETED BY : Achin Srivastav (Topper, AIR-2,Elite)

ORGANISED BY : IIT Kharagpur, Aug-Oct, 2018

COURSE/TOPIC : Design for Quality, Manufacturing and Assembly

COMPLETED BY : Achin Srivastav (Top 5% of Certified Candidates, AIR-15, Elite)

ORGANISED BY : IIT Madras, Aug-Sep, 2018

COURSE/TOPIC : Robotics

COMPLETED BY : Sunil Kumar (Elite)

ORGANISED BY : IIT Kharagpur, Aug-Sep, 2018

COURSE/TOPIC : Refrigeration and Air-Conditioning
COMPLETED BY : Manoj Kumar (Elite)

COURSE/TOPIC : Fundamentals of Machining Processes
COMPLETED BY : Vinay Singh Marwal (Top 1% of Certified Candidates, AIR-5, Gold)

ORGANISED BY : IIT Roorkee, July - Oct, 2018
COURSE/TOPIC : Management of Inventory Systems
COMPLETED BY : Achin Srivastav (Topper, AIR-2,Elite)
ORGANISED BY : IIT Kharagpur, Aug-Oct, 2018

COURSE/TOPIC : Design for Quality, Manufacturing and Assembly
COMPLETED BY : Achin Srivastav (Top 5% of Certified Candidates, AIR-15, Elite)
ORGANISED BY : IIT Madras, Aug-Sep, 2018

COURSE/TOPIC : Robotics
COMPLETED BY : Sunil Kumar (Elite)
ORGANISED BY : IIT Kharagpur, Aug-Sep, 2018

COURSE/TOPIC : Refrigeration and Air-Conditioning
COMPLETED BY : Manoj Kumar (Elite)
ORGANISED BY : IIT Roorkee, Aug-Sep, 2018

COURSE/ TOPIC : Principles of Casting Technology
COMPLETED BY : Brij Mohan Sharma (Score 100%, Topper, AIR-1)
ORGANISED BY : IIT Roorkee, 28 January, 2019 to 22 March, 2019 (8 weeks)

FACULTY DEVELOPMENT PROGRAM (FDP) ATTENDED

TITLE : AICTE-ISHRAE Rfresher Course on Refrigeration and Air Conditioning (1 Week)
ATTENDED BY : Ashish Nayyar
ORGANISED BY : Chitkara University, Punjab, 17 to 21, Dec, 2018

TITLE : TEQIP- III sponsored Short Term Course on Data Analytics for Engineers
ATTENDED BY : Praveen Saraswat
ORGANISED BY : Malaviya National Institute of Technology, Jaipur, 10 to 14 December, 2018
TITLE : Creo Software
ATTENDED BY : Arun Beniwal, Sanjay Bairwa, Chandra Mohan Kumar
ORGANISED BY : CAD DESK, Jaipur, 24 to 28 Dec,2018

TITLE : NPTEL AICTE - Management of Inventory Systems (One and half week)
ATTENDED BY : Achin Srivastav
ORGANISED BY : IIT Kharagpur, Aug to Oct, 2018

Ph.D. AWARDED

THESIS TITLE : Agent Based Production Scheduling in Job Shop Manufacturing System
AWARDED TO : Mr. Om Ji Shukla
GUIDED BY : Dr. Gunjan Soni and Prof. Rajesh Kumar
INSTITUTE : Malaviya National Institute of Technology (MNIT) Jaipur
YEAR : December, 2018

THESIS TITLE : Studies on Bio-Oxygenated Fuelled Stationary C.I. Engine
AWARDED TO : Mr. Ashish Nayyar
GUIDED BY : Prof. Dilip Sharma and Prof. S.L. Soni
INSTITUTE : Malaviya National Institute of Technology (MNIT) Jaipur
YEAR : 2018

THESIS TITLE : Optimal Inventory Replenishment Policies In Absence And Presence of Order Crossover
AWARDED TO : Mr. Achin Srivastav
GUIDED BY : Dr. Sunil Agrawal
INSTITUTE : Pandit Dwarka Prasad Mishra Indian Institute of Information Technology, Design and Manufacturing (IIITDM) Jabalpur
YEAR : 2018

THESIS TITLE : Ergonomic Interventions for Improving Health of Brick Kiln Industry Workers
AWARDED TO : Mr. Manoj Kumar Sain
GUIDED BY : Dr. M.L. Meena
INSTITUTE : Malaviya National Institute of Technology (MNIT) Jaipur
YEAR : 2019

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DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING

SEMINAR ORGANISED



The Institution of Electronics and Telecommunication Engineers, Rajasthan Centre, Jaipur organized a one day IETE Zonal (North) seminar and ISF Congress on “Advances in Electronic Circuit and Systems” at SKIT on 21 April 2018.

IETE President Prof. (Dr.) K. T. V. Reddy was the chief guest of the program and IETE Treasurer Col. Balrajanand was the guest of honor. The inauguration ceremony of the event commenced with lamp lighting and unveiling of souvenir of technical papers by Prof. K.T. V. Reddy, Prof. S. Pal, Col. Balrajanad, Dr. Ghanshyam Singh (Chairman IETE, Rajasthan center), Prof. S. L. Surana (Director Academics, SKIT), Dr. S. K. Calla (Director D&W, SKIT), Prof. S. K. Bhatnagar (HOD-ECE, SKIT). There were two technical events in this seminar. The first half of the event was for the invited talks.

Two experts Prof S. N. Sharan, Director, SEEC, Manipal University, Jaipur and Prof. (Dr.) Mahesh Bundeale, Secretary, IEEE Rajasthan Subsection had been invited to deliver these talks. Prof. S. N. Sharan detailed on various energy harvesting methods and Prof. Mahesh Bundeale discussed neural networks. Afterwards, an ISF congress and innovation meet of students and participants with IETE experts was held. A number of projects were displayed by the student members and the winner groups were honored with certificates and prizes.

SEMINAR ORGANISED

ECE department, SKIT conducted a two day hands-on training and workshop on Xilinx Vivado VLSI EDA tool (10 to 11 April, 2018). Lectures on Introduction to different stages of VLSI design flow through Xilinx (VIVADO) tool and implementation on FPGA kit (NEXYS 4 DDR and ZYBO boards) were delivered before the teachers and M. Tech students. The main concern was “NEXYS 4 DDR and ZYBO” Board and interfacing of these boards with Xilinx VIVADO tool. NEXYS 4 DDR is an artix -7 FPGA family whereas ZYBO board belongs to ZYNQ family. Mr. Ankur Sangal, Senior Application Engineer from CoreEL Technologies, Delhi came to deliver a lecture in the workshop. Faculty members and M. Tech. Students participated in the workshop.

FDP ORGANIZED 2018



A Faculty Development Program (FDP) on “Recent Trends in Nano-Electronics (RTNE-2018) was jointly organized by Rajasthan Technical University, Kota & Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur from 1 May 2018 to 5 May 2018. This FDP was fully sponsored by RTU (ATU) under Technical Education Quality Improvement Program phase III (TEQIP-III). It was inaugurated by Dr. Rajiv Sharma, Director, Mission of Nano Science and Technology (Nano Mission), Department of Science & Technology, New Delhi and Secretary, Science and Engineering Research Board (SERB), Govt. of India, New Delhi and Dr. G. K. Prabhu, President, Manipal University Jaipur.

Sh. Jaipal Meel (Director-SKIT), Prof S L Surana (Director Academics), Prof. S. K. Calla (Director D&W,), Prof. Ramesh Kumar Pachar (Principal) and Prof Dharendra Mathur (Coordinator RTU TEQIP-III) were present in the inauguration ceremony. The inauguration ceremony was preceded by invited talks by eminent speakers from various institutes on the theme “NANO ELECTRONICS”. Prof. Kanupriya Sachdev, Head, Materials Research Centre, MNIT Jaipur, Prof S K Bhatnagar, Director (Research) SKIT, Dr. Ghanshyam Singh, Associate Professor, Department of ECE, MNIT, Jaipur, Dr. Srinivasa Rao, Associate Professor, MNIT Jaipur, Dr. P K Khanna, Chief Scientist, CSIR-CEERI, Pilani, Dr. Bipin Kumar Gupta, Scientist E National Physical Laboratory, New Delhi and Dr. Amit Joshi, MNIT Jaipur were the resource persons for various talks in the sessions. Lab sessions were held for hands-on practice of TCAD SIVACO for Solar Cells Simulation, Xilinx Vivado VLSI EDA tool, and FPGA.

All the participants visited Material Research Center, at MNIT to gain experimental / experiential knowledge on the fabrication and characterization of Nanomaterials/Thin Films. The event ended with a valedictory function and certificate distribution to the participants. Prof. Dharendra Mathur (RTU, TEQIP Coordinator) thanked the organizing committee for organizing the event successfully.

FDP ORGANIZED ON AOC 2019

A Faculty Development Programme (FDP) on Advances in Optical Communication (AOC-2019)" was jointly organized by EICT Academy, MNIT Jaipur and Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur from 9 February to 14 February, 2019.

The FDP was inaugurated by Dr. S. N. Sharan, Director, School of Electrical and Electronics Engineering, Manipal University, Jaipur and Dr. Suchandan Pal, Principal Scientist, CEERI Pilani. Shri Jaipal Meel (Director), Prof S. L. Surana (Director Academics), Prof S. K. Bhatnagar (HOD), Prof. Mukesh Arora and Prof. Ghanshyam Singh (MNIT) were present at the inauguration ceremony. In the first

session of day one, Dr Suchandan Pal delivered an expert talk on Fundamental Integrated Optic Devices and Components. In the second and third session, Dr. Manish Mathew, CEERI, Pilani shared his knowledge on the III-Nitride Devices, their fabrication and applications. In the first session of day two, Dr. Yogita Kalra, Associate Professor, Delhi Technological University, New Delhi enlightened the participants on photonics crystals and their applications. Lab sessions on antenna designing, were taken by Dr. Monika Mathur. Day three started with an expert lecture of Dr. Manish Tiwari, Professor, Manipal University, Jaipur on the Optical Properties of Photonic Crystal Fiber. The next session was addressed by Prof. R S Meena, RTU Kota, who spoke on Meta-materials and its scope in 5G Antenna. A lab session on FDTD and problem solving was taken by Dr. Rukhsar Zafar, SKIT Jaipur.

The opening session of day four was notable for the lecture of Dr. Y. K. Vijay, President VGU Jaipur, who introduced the topic Light for Life with experimental demonstration. Afterwards Prof. V Sinha, Emeritus Professor, MNIT Jaipur threw light on some comparative aspects of fiber and wireless communication. The expert lecture was followed by an enriching lab session of Mr. Amandeep Singh and Mr. Varun Pandey who laid the seeds of Opti system. The student chapter of OSA at SKIT Jaipur was also inaugurated by Prof V. Sinha.

The fifth day was momentous due to the two expert lectures of Prof. Ananjan Basu, Head-CARE, IIT Delhi, who emphasized the areas of Novel Antenna Technologies. The expert lectures were followed by a lab session of Mr. Manoj Faisalwal, Govt Engineering College Ajmer, on Lumerical Software. The last day started with a lab session on Opti FDTD by Dr. Vinay Kanungo, SKIT Jaipur. This was followed by an expert talk of Dr. Ravi Kumar, MNIT Jaipur, who gave a detailed description of Visible Light Communication systems. Dr. Monika Mathur proposed a vote of thanks in the valedictory session.

AWARDS

Students of final year ECE, Abhishek Gupta and Lakshay Jain secured II position in innovation category on National Science Day at MNIT, Jaipur held in March, 2018.

WORKSHOP ORGANIZED

WORKSHOP ON AIDL-2K19

The Department of Electronics and Communication Engineering organized a two days workshop on Artificial Intelligence with Deep Learning, sponsored by DST on 25 & 26 March, 2019. The objective was to conduct a basic level of workshop on artificial intelligence and deep learning for the participants who had basic understanding and keen interest in this emerging field. Apart from the local B. Tech and M. Tech. students and faculty members from various departments, participants also came from Gujrat and New Delhi. The goal of this workshop was to train the participants on the recent trends in this field.

Among the eminent speakers from IIT, NIT and some foreign universities who shared their knowledge with the participants were: Dr. Amit M. Joshi, Assistant Professor, Dept. of Electronics & Communication Engineering, MNIT Jaipur, Dr. Satyasai Jagannath

Nanda, Assistant Professor, Dept. of Electronics & Communication Engineering, MNIT Jaipur, Prof Nithin V. George, Associate Professor, Dept. of Electrical Engineering, IIT Gandhinagar and Dr. Pramod Gaur, Researcher at Neuro-Imaging Technology, Ulster University, Londonderry. The workshop included lab sessions with hands on MATLAB in which specifically designed programs, based on the theory sessions, were carried out. This enabled the target audience to apply it further for solving complex real life engineering problems.

The event was inaugurated by Chief Guest Prof. R. P. Yadav (Former Vice- Chancellor RTU, Kota) currently working at Malaviya National Institute of Technology, Jaipur. The other dignitaries who graced the occasion with their presence were Shri. Jaipal Meel (Director, SKIT), Prof. S. L. Surana (Director-Academics, SKIT), Prof. Ramesh Kumar Pachar (Principal, SKIT), Dr. S.J .Nanda (MNIT), Prof.(Dr) S. K. Bhatnagar (Director-Research & Head, Dept. of EC), Prof (Dr) Mukesh Arora (Dept. of EC.) and Dr. Pramod Gaur, (Researcher at Neuro-Imaging Technology, Ulster University, Londonderry).

Prof. R. P. Yadav addressed the audience about the emerging fields in the artificial intelligence (AI). Prof. S. L. Surana motivated the students to opt for current trends like AI and Neural Network by emphasizing on the usefulness and importance of these topics in real life.

The first keynote address was delivered by Dr. Satyasai Jagannath Nanda. He is one the key researchers in this field. The lecture underlined the basics of the neural networks and its architecture, followed by a special interaction session organized for the students with Dr Pramod Gaur. He unwrapped new directions of foreign studying in foreign colleges/ universities for students and researchers. The students also enquired about research and further studies. After this session, a neural network functioning as AND gate was designed on MATLAB platform, this lab session was headed by Dr. Satyasai Jagannath Nanda.

The second day began with the lecture of Dr. Amit M. Joshi. He enlightened the audience about problems of big data and discussed various methodologies in the process of data mining. Mr. Joshi continued with the lab session where K-means algorithm, the first clustering algorithm in data mining, was designed. Followed by this was the session on fuzzy logic and deep learning by Prof. Nithin V. George. He simplified the concept of fuzzy systems, deep learning and designing of convolutional neural network.



FDP /WORKSHOP ATTENDED

TITLE : Workshop on "VLSI Design Verification"
 DATE : 26 to 30 May 2018
 VENUE : MNIT Jaipur
 ORGANIZED BY: Electronics & ICT Academy

NAME : Pooja Choudhary
 TITLE : Intensive workshop on Authoring Technical Documents with Latex (a) Technical Writing (b) Reviewing Manuscripts
 DATE : 5 to 7 April 2019 for part (a) & 13 to 14 April, 2019
 VENUE : MNIT, Jaipur

NPTEL COURSES COMPLETED

NAME : Dr. Swati Arora
 TOPIC/SUBJECT : Material Characterization
 DURATION : 12 weeks Online Certification Course (Elite Certified in NPTEL) January to April 2018.

NAME : Mr. Ankit Agarwal
 TOPIC/SUBJECT : Principles of Communication-1
 DURATION : 12 weeks Online Certification Course (Elite Certified in NPTEL) January to April 2018.

NAME : Dr. Praveen Kumar Jain
 TOPIC/SUBJECT : Principles of Communication-1
 DURATION : 12 weeks Online Certification Course January to April 2018.

NAME : Dr. Praveen Kumar Jain
 TOPIC/SUBJECT : Soft Nano Technology
 DURATION : 12 weeks Online Certification Course (Elite Certified in NPTEL) January to April 2018.

NAME : Dr Monika Mathur
 TOPIC/SUBJECT : Principles of Communication-1 & Antennas
 DURATION : 12 weeks Online Certification Course from January to April 2018

COURSE/ TOPIC : Fiber Optics
 COMPLETED BY : Praveen Kumar Jain
 ORGANISED BY : Indian Institute of Technology, Roorkee

NAME : Dr. Swa.. Arora
 TOPIC/SUBJECT : Digital Circuits
 DURATION : 12 weeks Online Certification Course (ELITE certified), July-October, 2018

NAME : Ankit Agarwal
 TOPIC/SUBJECT : Digital Circuits
 DURATION : 12 weeks Online Certification Course (ELITE certified), July-October, 2018

NAME : Ankit Agarwal
 TOPIC/SUBJECT : Digital Image Processing
 DURATION : 12 weeks Online Certification Course (ELITE certified), July-October, 2018

NAME : Pallav Rawal
 TOPIC/SUBJECT : Introduction to Internet of Things
 DURATION : 12 weeks Online Certification Course (ELITE certified), July-October, 2018

NAME : Abhinandan Jain
 TOPIC/SUBJECT : Digital Circuits
 DURATION : 12 weeks Online Certification Course (ELITE certified), July-October, 2018

NAME : Neeraj Jain
 TOPIC/SUBJECT : Digital Circuits
 DURATION : 12 weeks Online Certification Course (ELITE certified), July-October, 2018

NAME : Dr. Monika Mathur
 TOPIC/SUBJECT : Digital Circuits
 DURATION : 12 weeks Online Certification Course (ELITE certified), July-October, 2018

NAME : Dr. Praveen Kumar Jain
 TOPIC/SUBJECT : Fabrication Techniques for MEMS based sensors: Clinical Perspective
 DURATION : 12 weeks Online Certification Course, July-October, 2018

NAME : Harshal Nigam
 TOPIC/SUBJECT : Microwave Theory and Techniques
 DURATION : 12 weeks Online Certification Course (ELITE certified), July-October, 2018

NAME : Urvashi Prakash Shukla
 TOPIC/SUBJECT : Digital circuits
 DURATION : 12 weeks Online Certification Course (ELITE certified), July-October, 2018

NAME : Kiran Rathi
 TOPIC/SUBJECT : Digital circuits
 DURATION : 12 weeks Online Certification Course, July-October, 2018

NAME : Pooja Choudhary
 TOPIC/SUBJECT : Fabrication Techniques for MEMS based sensors: Clinical Perspective
 DURATION : 12 weeks Online Certification Course, July-October, 2018

NAME : Vikas Pathak
 TOPIC/SUBJECT : Switching Circuits and Logic Design
 DURATION : 12 weeks Online Certification Course (ELITE certified), July- October, 2018

NAME : Vikas Pathak
 TOPIC/SUBJECT : Digital Circuits
 DURATION : 12 weeks Online Certification Course (ELITE certified), July-October, 2018

ACADEMIC ACCOMPLISHMENTS (STUDENTS)

M.TECH. DISSERTATIONS COMPLETED

The following dissertations were completed and the students were awarded M. Tech. degrees.

Name of the student	Name of the Supervisor
1. Ms. Neelam	Dr. Monika Mathur
2. Ms. Nidhi	Dr. S. K. Bhatnagar
3. Ms. Rakshika Kulshrestha	Dr. Rukhsar Zafar

OSA STUDENT CHAPTER

Optical Society of America (OSA) Student Chapter was inaugurated for the students of SKIT on 12 February 2019. The faculty mentors are Dr. Monika Mathur (ECE), Dr. Rukhsar Zafar (ECE) and Dr. Vinay Kanungo (CS).

PhD AWARDED

THESIS TOPIC : Design, Fabrication, and Characterization of Thin Film Metal Metalloid Field Effect Transistor.

PHD AWARDED TO : Ms. Swati Arora
GUIDED BY : Dr. Y. K. Vijay
FROM : Vivekananda Global University, Jaipur
YEAR : February, 2018

TOPIC : Investigation of ZnO and TiO₂ Nano crystalline Thin Films for Random Access Memory and Solar Cell Applications.

PHD AWARDED TO : Mr. Praveen Kumar Jain
GUIDED BY : Prof. Mohammad Salim
FROM : MNIT, Jaipur
YEAR : January, 2018

TOPIC : Investigation of Optical Buffering and Refractive Index Sensing Characteristics in Fano Resonance-based Metal-Insulator-Metal Plasmonic Waveguide.

PHD AWARDED TO : Ms. Rukhsar Zafar
GUIDED BY : Prof. Mohammad Salim
FROM : MNIT, Jaipur
YEAR : June, 2017

SESSIONS CHAIRED

SESSION ON : “Electronics and Communication System” at Convergence 2018.

CHAIRIED BY : Dr. Praveen Kumar Jain
ORGANIZED BY : Poornima Institute of Engineering and Technology

VENUE : PIET, Jaipur
DATE : 23 to 24 March 2018

SESSION ON : “Optical Technologies Session” at International Conference OWT-2018

CHAIRIED BY : Dr. Rukhsar Zafar
VENUE : MNIT, Jaipur
DATE : 11 Feb. 2018

SESSION ON : “Communication System” at National

Conference on Advancements of Communications and Computation

CHAIRIED BY : Dr. Monika Mathur
VENUE : Poornima College, Jaipur
DATE : 28 April 2018

SESSION ON : “Wireless technology” at International Conference on Optical and Wireless Technology (OWT-2018)

CHAIRIED BY : Dr. Monika Mathur
VENUE : MNIT, Jaipur
DATE : 11 Feb. 2018

ACADEMIC ACCOMPLISHMENTS : (STUDENTS) M.TECH DISSERTATIONS COMPLETED

STUDENT NAME : Shivani Sharma
TITLE : Investigations of Plasmonics Based Optical Logic Gates Using Metallic Ring Loaded Circular Disc
SUPERVISOR : Dr. Rukhsar Zafar

STUDENT NAME : Joytsana Sharma
TITLE : Design And Analysis of a Triple Material Double Gate (TMDG) Strained Channel MOSFET
SUPERVISOR : Mr. Rahul Pandey & Dr. Praveen Kumar Jain

STUDENT NAME : Harshit Mathur
TITLE : Simulation of Floating Point FFT Algorithm for Characteristic Frequency Calculation of Protein Family
SUPERVISOR : Mr. Vikas Pathak

STUDENT NAME : Kajal Saini
TITLE : Miniaturized Structure of Micro-strip Antenna for Breast Cancer Application
SUPERVISOR : Dr. Monika Mathur

STUDENT NAME : Dimple Soni
TITLE : Design and Optical Gain Analysis of Nano Scale Heterostructure GaInP /AlGaInP Red Laser
SUPERVISOR : Mr. Jay Prakash Vijay

STUDENT NAME : Yamini Rathore
TITLE : Simulations of Floating Point Generic DWT and IDWT for Denoising in DNA Sequence for Exam Region Identification in Genes
SUPERVISOR : Mr. Vikas Pathak

STUDENT NAME : Vivek Jaimini
TITLE : Investigation of Electrical and Structural Properties of Bismuth /Tellurium Heterostructure on Silicon Substrate
SUPERVISOR : Dr. Swati Arora

DEPARTMENT OF ELECTRICAL ENGINEERING

TECHNICAL TALK (TEC-TALK) ORGANISED

A Tec-talk was organized by the Department of EE and IEI Student Chapter on 3 April 2019. This technical talk provided a good platform for developing and designing innovative projects and sharing innovative ideas to the students. The program was coordinated by Mr. Vivek Sharma, Mr. Jinendra Rahul and Mr. Jitendra Singh. Seventy students participated in this event.

Topics covered in this talk were:

- Machine learning (AI)
- IoT
- Robotics
- Data Science



EXPERT LECTURE DELIVERED BY MR. BHARAT MODI AND DR. DHANRAJ CHITARA

Mr. Bharat Modi and Dr. Dhanraj Chitara delivered an expert lecture in Government Engineering College Bharatupr on 5-04-2019.

1. Mr. Bharat Modi delivered his lecture on Basic Principles of Rotating Electrical Machines.
2. Dr. Dhanraj Chitara delivered his lecture on Transient Analysis and Circuit Theory.

INTERACTIVE SESSION ON PERSONALITY DEVELOPMENT

An interactive session was organized for B. Tech. II & III year EE student. The final year B. Tech. students who were placed in many reputed companies were warmly welcomed. Prof. Akash Saxena, HOD, Electrical Department felicitated the recruited students. The selected students by various companies shared their experiences during selection process

and gave tips about different traits that one should have for getting placed in reputed organizations. The session helped the students to understand the importance of CRT classes and a well drafted resume. The speakers also emphasized the importance of extracurricular activities, good academic record, good communication and technical skills for personality development. Such activities are mentioned in a special column in resume and they grab attention of the employers. Aptitude of the candidates and group discussions were highlighted as the most important factors in placements. II & III year students received guidance to proceed towards their goals. The session ended with a vote of thanks by program coordinator Mr. Vivek Sharma Asst. Professor.



NATIONAL WORKSHOP ON 'LATEX'

Ms. Pooja Jain (Asst. Professor) organized a three day national workshop on 'Latex' for Beginners from 23 January to 25 January 2019, in J C Bose seminar hall and in MODROB lab for M Tech. Students, Ph.D. Scholars and for faculty members. Latex is a scripting language used for writing documents. The advantages of this are numerous, but it is most beneficial for academic writings. The course layout included: Basics of Latex writing, use of various templates in latex and writing thesis, journal paper and conference paper.

WORKSHOP ON 'INTERNET OF THINGS'

The Electrical Department took an initiative by organising a workshop cum hands-on-practice on “Internet of Things”. Mr. Peeyush Sanam, an expert speaker, addressed the students of various streams of science and engineering. Program layout had two distinct parts: the first half included programming skills and the second half was about assembling the hardware component for different applications. This workshop helped the students in



understanding the importance of programming and a good practical approach in classrooms & laboratories. Mr Peeyush also highlighted the importance of good programming and the link between the virtual and the real world. The workshop also underlined the importance of the C programs, knowledge of hardware and the special bond between the technology and human race. The session concluded with a vote of thanks by program coordinator Mr. Vivek Sharma.

OUTCOME BASED EDUCATION WORKSHOP ORGANIZED

An outcome based education workshop was organized on 27 March 2019 by department of electrical engineering to make faculty members familiar with the concept of outcome based education. It was organized and addressed by Dr. Akash Saxena, HOD, E. E. Following points were discussed in the workshop:

1. Vision and mission of the institute and department.
2. Role of stake holders.
3. Program education objectives.
4. Program outcomes and their assessment methods.
5. Course outcomes and their assessment methods.

CERTIFICATE OF OUTSTANDING CONTRIBUTION IN REVIEWING

Certificate of outstanding contribution in reviewing for following research journals awarded to Dr. Akash Saxena

1. Applied Soft Computing Journal (Elsevier)
2. Ain Shams Engineering Journal (Elsevier)
3. Evolutionary Intelligence (Springer)

WORKSHOP ATTENDED

WORKSHOP ON : Artificial Intelligence (AI) & Machine Learning (ML)

ATTENDED BY : Ankit Vijayavargiya

ORGANIZED BY : AICTE Training & Learning (ATAL) Academy 22 February to 26 February 2019 at MNIT, Jaipur

FACULTY DEVELOPMENT PROGRAM (FDP) ATTENDED:

NAME : Mr. Avadhesh Kumar Sharma and Mr. Ankit Vijayvargia

TITLE : 'Energy Conservation and Audit' ECA-2018

DATE : from 21 Jan-22 Jan 2019

VENUE : Arya Institute of Technology, Jaipur

NAME : Mr. Ankit Vijayvargia

TITLE : Advanced Optimization Techniques

DATE : 12 Oct to 21 Oct 2018

VENUE : MNIT, Jaipur

NAME : Abhishek Gupta and Mr. Ankit Vijayvargiya

TITLE : Technology and Artificial Intelligence Conclave 2018

DATE : 8 December 2018

VENUE : Hotel Radisson Blue, Jaipur

NAME : Mr. Ankit Vijayvargia

TITLE : 'Advance in Optical Communication

DATE : 9 February to 14 February 2019

VENUE : MNIT, Jaipur

NAME : Mr. Jinendra Rahul

TITLE : Control and Integration Techniques for Renewable Energy Systems

DATE : 21 to 25 November, 2018.

VENUE : RTU, Kota.Arya.

FACULTY DEVELOPMENT PROGRAM ATTENDED

Following faculty members of department of electrical engineering participated in Faculty Development Program (FDP) organized by Head, PAQIC from 29 April 2019 to 4 May 2019.

1. Mr.Ramesh Prakash, Ms.Pooja Jain,Mr. Vikram Singh, Mr.Garvit Gupta , Mr. Tarun Naruka ,Mr. Tarun Cheepa



DEPARTMENT OF CIVIL ENGINEERING

EXPERT TALK BY SITARAMANJANEYULU



An expert talk on 'Recent Developments in Construction and Maintenance of Highways' was delivered by Mr. K Sitaraman (Senior Principal Scientist, Pavement Evaluation Division, Central Road Research Institute, New Delhi) on July 9, 2018. Students of 3rd and 4th year attended the lecture. They appreciated the information about recent developments in the current scenario.

IN-HOUSE SUMMER INTERNSHIP PROGRAM



An initiative was taken by Civil Engineering Department to start "In - house Summer Internship Program" for VI Semester students. As part of the curriculum, duration of this program was 60 days and included both software as well as site training. Software training included Auto-Cad and Staad-Pro. The training was carried out at various sites such as Jaipur International Centre, Railway Over Bridge (ROB)Dantli, Construction of Quarters of North Western Railway.Construction work of flexible pavement and working of Bituminous Hot Mix Plant was also done.

WORKSHOP ON "DESIGN MIX CONCRETE" BY WONDER CEMENT

Workshop on "Design Mix Concrete and Practical Implementation" was organized by Wonder Cement on 8th August, 2018. This workshop was organized by Er. Amit Mathur (Assistant General



Manager, Wonder Cement). This workshop included both theoretical as well as practical designs of concrete mix. Working of a cement plant was also explained in this workshop.

VISIT TO SMART CITY EXPO



Civil Engineering students visited Smart City Expo India held at Jaipur Exhibition and Convention Centre (JECC), Jaipur on September 28, 2018. Technical presentations were delivered by various national and international delegates on various aspects related to development of smart cities in this expo. Various exhibitors also displayed different materials, technologies, products etc. which can be used to make any city smart. The students and faculty members got benefited by attending this expo.

NATIONAL CONFERENCE ON SUSTAINABLE DEVELOPMENT FOR SMART CITIES (SDSC-2019)



Department of Civil Engineering organized a two day national conference on Sustainable Development for Smart Cities (SDSC-2019) on January 18-19, 2019. Chief Guest of inaugural session Er. Anoop Bartariya, CMD, Sincere Engineers and Architects Pvt. Ltd., Jaipur shared his experiences about the development of Jaipur, Varanasi, Amritsar etc. Various delegates from academia, research institutes and industries such as Dr. T.R. Nayak (Scientist F, NIH

Bhopal), Er. K. Sitaramanjaneyulu (Chief Scientist, Pavement Evaluation Division, CRRI, New Delhi), Prof. B.L. Swami (MNIT, Jaipur), Er. Vikram Gupta (Eptisa, Jaipur Smart City Ltd.), Er. G. K. Gupta (Advisor, Tata Projects) and Er. Sandesh Saxena (Ultratech Cement Ltd.) shared their expertise and experiences about the subject in plenary sessions. Around three hundred academicians, research scholars, industry persons participated in the conference and more than thirty research papers were presented in three technical sessions. A poster and model competition was also organized during the conference.

STONE MART - 2019



Student Chapter of Indian Concrete Institute (ICI), Civil Engineering Department, SKIT organized a visit to Stone Mart 2019 expo on February 3, 2019 held at JECC, Jaipur. Different varieties of stones that can be used for construction were exhibited in this exhibition, Various equipments and machines needed for stone industries were also showcased. The visit provided an opportunity to know more about the latest trends and machines that could be used in their profession.

TECHNICAL SESSION BY JK SUPER CEMENT

A Technical session was organized by JK Super Cement on "Manufacturing of Cement and Physical Tests done on Cement" on January 30, 2019 at SKIT campus. Er. Sanjay Gupta (Zonal Head, JK Super Cement) and Er. Arvind Jangid (Rajasthan Head, JK Super Cement) delivered lectures about the topic and shared their experiences.

SURVEY CAMP

Survey Camp for B. Tech. III year V semester students of Civil Engineering Department was conducted from September 28, 2018 to October 07, 2018 at Sewad Mata Temple site near NH-08 highway. The students performed the triangulation, contouring and levelling exercises during the camp tenure.

Initially, they did a reconnaissance survey of the area to be surveyed.

Then the stations were erected on different locations in the village. Total seven stations were selected, four stations are located on hills near village. Sewad Mata's temple was also used as a triangulation station. Inter-visibility of all the stations was checked and a baseline was marked in front of the temple. The students worked with theodolites observing horizontal and vertical angles and calculating distances with the help of the trigonometric formulae and at center point for measurement of horizontal and vertical angles Total Station was used. A leveling exercise was also done with the help of the auto-level instrument. In the end, the students were able to draw a triangulation map and also calculate elevation of all triangulation station. Apart from all the technical exercise, the students learnt team work and management skills. They were divided into 8 different groups with each group having a group leader and instrument in-charge the remaining members of the groups were also responsible for other activities.



WORKSHOP ON DESIGN MIX CONCRETE AND VISIT TO RMC PLANT



A workshop on Concrete Mix Design and a visit to RMC plant was organized by Student Chapter of Indian Concrete Institute at Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur in association with K. S. Creation, Jaipur and Triangle Engineers Pvt. Ltd. Jaipur, on February 27, 2019. The event was graced by the presence of Mr. Vinay Gehlot (Chairman ICI-RSC), Mr. Mahesh Singhal (Secretary ICI-RSC), Dr. Bhavna Tripathi (Treasurer ICI-RSC), Dr. D.K. Sharma (Head, Civil Engineering, SKIT) along with faculty members. The workshop was attended by more than sixty participants from SKIT, GIT and JECRC University.

A descriptive and informative presentation on 'Concrete Mix Proportioning - Guidelines' was delivered by Dr. Bhavna Tripathi (Associate Professor, Civil Engineering, Manipal University, Jaipur). It was a very insightful presentation covering the design steps along with the latest modifications made in IS: 10262 – 2019. She also explained the difference between theoretical and real life problems and strategies to solve them. The importance of water cement ratio, material quantities, admixtures, fly ash and other relevant topics were discussed during the presentation. The presentation concluded with an interactive session with the students. It was followed by certificate distribution ceremony in which all the students were given gifts and certificates for participating in the workshop.

A site visit to Triangle Ready Mix Concrete plant was also arranged for all the participants. The students got to learn about various tests performed on site and their uses. They also observed the entire functioning of the plant and in what proportion do we need to add the material to get the desired mix.

SITE VISIT TO RAJASTHAN INTERNATIONAL CENTRE

A visit to the construction site of Rajasthan International Centre, Jaipur was conducted by Student Chapter of Indian Concrete Institute (ICI), Civil Engineering Department, (SKIT) on April 03, 2019. The visit was organized with the support of Er. Ravindra Mathur (Executive Engineer, Jaipur Development Authority) and Er.



Sunil Soni (Junior Engineer, Jaipur Development Authority). The students of B. Tech. II year (CE) participated in the visit.

EXPERT TALK BY Ar. KAVITA JAIN UNDER THE BANNER OF INDIAN BUILDING CONGRESS - STUDENT CHAPTER



Department of Civil Engineering and Indian Building Congress (IBC) organized an expert talk on "Traditional Materials and Construction Technology" by Ar. Kavita Jain. In this program Er. C.L. Verma (Retd. Chief Engineer, PWD and Vice President IBC), Er. M.L. Verma (Chief Engineer cum Additional Secretary, PWD), Er. Vinay Gehlot (Chairman, ICI RSC) and Er. C.M. Raj Mathur (SE, PWD) were also present. In

this program, IBC – Student Chapter was officially started in Civil Department with more than 100 student members.

NOMINATED AS EXECUTIVE COMMITTEE MEMBER OF INDIAN CONCRETE INSTITUTE AND NATIONAL GOVERNING COUNCIL MEMBER OF INDIAN BUILDING CONGRESS

Mr. Anirudh Mathur (Assistant Professor) has been nominated as

- Executive Committee member of Indian Concrete institute - Rajasthan State Centre (ICI-RSC) from January 2019 to January 2021 and
- National Governing Council Member of Indian Buildings Congress (IBC) from January 2019 to January 2020.

SEMINAR ON IMPORTANCE OF INTERNSHIP AND WAY AHEAD

A seminar cum interactive session on "Importance of Internship and Way Ahead" was conducted by Student Chapter of Indian Concrete

Institute (ICI) at SKIT on February 15, 2019. Interaction with senior students was also planned. The students learnt about the challenges and strategies to overcome the challenges.

PHD AWARDED

Thesis Topic: Gainful Utilization of Limestone (Kota Stone) Waste as Pavement Material Ph.D Awarded to: Pradeep Gautam, Guided by: Dr. Pawan Kalla, From: MNIT, Jaipur, Year: 8 January, 2019

FACULTY DEVELOPMENT PROGRAMS

Topic : Three days TEQIP-III sponsored FDP on Green Buildings : An Initiative of Civil Engineers to Save the Environment
Date : 22 to 24 August, 2018
Organized by : RTU, Kota and JNIT
Attended by : Dr. D.K. Sharma
Er. Kishan Lal Jain
Er. Bhanu Sharma.

INSTITUTE OF PHARMACY

SEMINAR ON THE UTILITY OF "CARE TAKER APP"

Swami Keshvanand Institute of Pharmacy organised a seminar on the utility and efficient use of "Care Taker" application which is a digitalised online platform for blood bank. On this occasion Prof. Hemlata Dullar, Principal, SKIP welcomed the chief guest Mr. Pawan Kumar Chaudhary. The chief guest of the seminar guided the students on the use of the mobile app in emergency situations. On this occasion Honourable Secretary of "Care Taker Sir Ummed Memorial Trust" Mrs Durgawati Sharma and other dignitaries were also present. In the end, vote of thanks was presented by Dr. Santosh Kumar Gupta.

CAMPUS PLACEMENT DRIVE BY APOLLO PHARMACY

With an aim to provide better placement, a campus placement drive was organised by Apollo Pharmacy, Jaipur a leading pharmacy company in SKIP on Feb.12, 2018. Students from various pharmacy colleges and schools participated in the programme with great enthusiasm. The program began with a seminar on 'Possibilities of Better Career Opportunities in Pharmacy'. Prof. Hemlata Dullar, Principal SKIP, chaired the programme. She congratulated the participants for coming in such good numbers for the placement drive.

CLINWAVE RESEARCH PLACEMENT DRIVE

Swami Keshvanand Institute of Pharmacy, Jaipur with an aim of providing quality education and placement for its students continues to exhibit placement drives at its campus. Clinwave Research, one of the leading organization engaged in providing career in aspects of clinical research. Clinwave Research visited college campus on dated 03 Feb. 2018 for placements of B. Pharmacy Students. Students were selected in company after vigorous screening through Group Discussion, Aptitude Test and Personal Interview. Dr. Khatri, Managing Director and Dr. T. C. Sharma, Head at Research Centre from Clinwave Research delivered a presentation about company's profile and job requirements. They appreciated college Principal Prof. Hemlata Dullar, faculty and management for imparting utmost quality education which was reflected by the discipline and vast knowledge which they saw in the students. "er" application which is a digitalised online platform for blood bank. On this occasion Prof. Hemlata Dullar, Principal, SKIP welcomed the chief guest Mr. Pawan Kumar Chaudhary. The chief guest of the seminar guided the students on the use of the mobile app in emergency situations. On this occasion Honorable Secretary

of "Care Taker Sir Ummed Memorial Trust" Mrs Durgawati Sharma and other dignitaries were also present. In the end, vote of thanks was presented by Dr. Santosh Kumar Gupta.

ALEMBIC PHARMACEUTICALS PLACEMENT DRIVE

Swami Keshvanand Institute of Pharmacy, Jaipur with an aim of providing quality education and placement for its students continues to exhibit placement drives at its campus. Alembic Pharmaceuticals, one of the leading organizations engaged in providing career in aspects of sales and marketing visited college campus on 15 & 16 March, 2018 for placements of B. Pharmacy Students. Mr. Rakesh Sharma (RSM, Alembic Pharmaceuticals) and Ms. Ankila Joshi (HR, Alembic Pharmaceuticals) were present at SKIP campus for two days placement program. Ms. Ankila Joshi delivered a presentation about company's profile and job requirements. Students from various Pharmacy colleges of Jaipur participated and selected for the post of Executive Trainee after Aptitude Test and Personal Interview. College Principal Prof. Hemlata Dullar, appreciated students for participating and turning out in a good number for placement drive.

MEDICAL CAMP ON SKIN CARE

A medical camp on skin care and diagnosis, prevention and cure of skin related diseases was organised at Swami Keshvanand Institute of Pharmacy, Jaipur. Prof. Hemlata Dullar, Principal, SKIP welcomed the chief guest Dr. Praveen Pahadiya. The chief guest guided the students about the various skin related problems and diseases and how to cure them. The Regional Sales Manager Mr. Hemant Joshi and his team from Ajanta Pharma Limited was also present on the occasion. Dr. Santosh Gupta thanked all the guests and dignitaries present in the programme.

STATE LEVEL PHARMA QUIZ COMPETITION

The final round of state level quiz competition was organized by Indian Pharmaceutical Organisation (Rajasthan Branch) on 17th April, 2018 in the J. C. Bose auditorium of SKIT, Jaipur. The best team was selected for the final round after various rounds of the competitions with various pharmacy colleges of the State. Swami Keshvanand Institute of Pharmacy secured the 1st position in the final round of the competition. Various official Heads of Indian Pharmaceutical Organisation (Rajasthan Branch), representatives and delegates from the pharmacy colleges of the State were also present on the occasion. Prof. Hemlata Dullar, Principal SKIP, congratulate all the participants and the winner team.

SEMINAR ON BASIC LIFE SUPPORT

A seminar on Basic Life Support was organised at SKIP Jaipur in association with Santokba Durlabhji Memorial Hospital, Jaipur on



January 11, 2019. The Chief Guests of the seminar were Mr Yogendra Durlabhji, Dr. Nikhil Ajmera and Dr. Sanjana Bhojwani. Dr. Ajmera gave a theoretical and practical demonstration for providing emergency first aid to the patient in case of sudden cardiac or respiratory attack. The students were benefited by such useful demonstration and guidance. Prof. Hemlata Dullar, Principal SKIP, and all the staff members were also present on the occasion.

PAPER PRESENTED

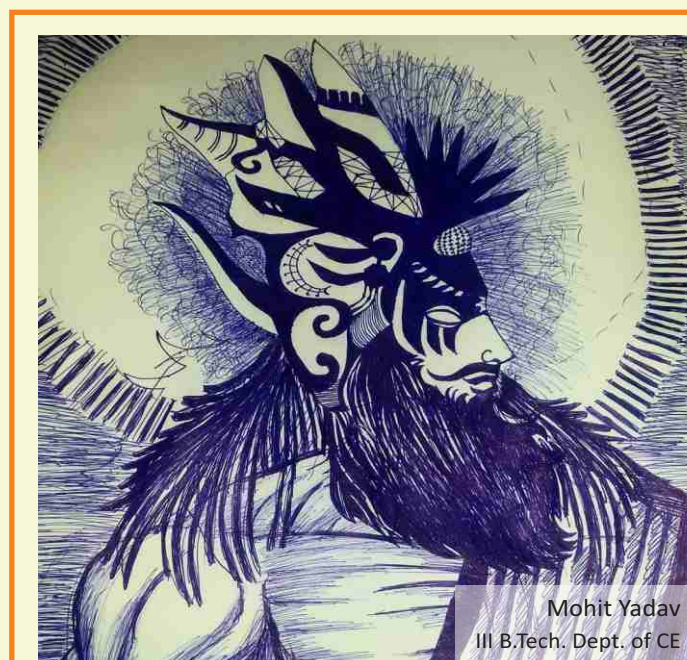
TOPIC : Effect of Sewage Farming on Ground Water Quality in Muhana Mandi Jaipur
AUTHORS : Saurabh Singh, Priyanka Gupta
CONFERENCE : National Conference on Emerging Trends in Water Quantity and Quality Management, Poornima University.

NPTEL COURSE COMPLETED BY FACULTY

COURSE/ TOPIC : Hydration, Porosity & Strength of Cementitious Materials
COMPLETED BY : Saurabh Singh
ORGANISED BY : IIT Kanpur Prof. Sudhir Misra, Dr. K.V. Harish



Robin Sing
III B.Tech. Dept. of EE



Mohit Yadav
III B.Tech. Dept. of CE

DEPARTMENT OF MANAGEMENT STUDIES



MBA Institute in Rajasthan
by Rajasthan
Technical University
(RTU), Kota

NATIONAL SEMINAR ON FINANCIAL LITERACY



Department of Management Studies organized a “National Seminar” on Financial Literacy with The Institute of Company Secretaries of India (ICSI) as knowledge partner, on 24 January, 2018. The convener of the national seminar, CS Pallavi Biyani, welcomed the august gathering. The theme was introduced by Prof (Dr.) Vikas Shrotriya, HOD, DMS. The inaugural ceremony was addressed by

Shri Surja Ram Meel, Chairman, SKIT, Shri Jaipal Meel, Director, SKIT (Dr.) S. K. Calla, Director (D&W), CS (Dr.) Sandeep Jain, Chairman ICSI Jaipur, CS Rahul Sharma, Vice-chairman of ICSI Jaipur and Prof (Dr.) Ramesh Prachar, Principal, SKIT. Four sessions were conducted during the seminar.

First session was conducted by CA CS Sumit Dhadda, Practitioner, on the topic of “Digital Financial World.” The next session was taken by Shri J. S. Kothari, chief editor of Business Newspaper (Nafa Nuksan). He emphasized on sharpening financial investment skills of young managers and students. It was followed by a discussion on the practical aspects of loan by CA Dinesh Kumar Jain, Ex Chairman, ICAI. The last session was conducted by Shri Yogesh Sharma, Sr. Manager, IDBI, Jaipur office, who elaborated the details of consumer loans available in the current scenario. The sessions concluded with a question and answer round and distribution of certificate. In the end vote of thanks was given by the convener.

GUEST LECTURES

- Department of Management Studies invited Ms. Mahima Maheshwari, CEO, Thumbograph, to deliver a lecture on 'Branding – Prepare for the Best' on August 18, 2018.
- Department of Management Studies invited Dr. Harshvardhan Harsh, Professor Amity University, to deliver a talk on 'E-learning Resources for Management Students and their Utilization for Enhanced Learning' on August 31, 2018.

ACADEMIC ACCOMPLISHMENTS CS PALLAVI BIYANI FELICITATED ON WOMEN'S DAY



Jaipur Chapter of NIRC of ICSI organized a program on Women's Day on the theme—'Empowering Women through Entrepreneurship Development: Stepping Up for Inclusive India' on 8 March, 2018 at Jaipur Chapter premises, located at ICSI House, A-5/A, Institutional Area, Near Kar Bhawan, Jhalana Doongri, Jaipur. CS Pallavi Biyani was invited to deliver a talk on the above theme. She was also felicitated by the ICSI for being a Young Professional working for education enhancement.

SUHANA SAFAR'-TEACHERS DAY CELEBRATIONS



On September 5, 2018 department of Management Studies celebrated, “Suhana Safar” on the occasion of Teacher's Day. The event was graced by the presence of HOD- DMS and faculty members from the department. Prof. (Dr.) Vikas Shrotriya, HOD- DMS motivated the students to get involved in the developmental activities

NATIONAL SEMINAR ON "INNOVATION AND START UPS"



The Department of Management Studies (SKIT) organized a National Seminar on 'Innovation and Startups' in association with Rajasthan State Productivity Council Jaipur and Indian Institution of Industrial Engineering Jaipur Chapter, on September 8, 2018.

Dr. Maneesha Kaushik, (Convener), in her welcome address said that startups are not only the online market companies confined to just launching a website, but they are all about innovation and creating a niche market for themselves. Prof. (Dr) S. L. Surana, Director (Academics) emphasized that startups and innovation are very important for the development of our nation. Shri Vijay Kumar Sharma from RSPC, discussed about two main activities - tracing and importance of consultancy for startups. Chief Guest of the seminar Ms. Shweta Chopra, an entrepreneur and a RJ on Radio Pink City, said that idea comes from brain storming so don't allow the mind to sleep. Mr. Sulabh Shukla, a Jaipur based entrepreneur, discussed about connecting with the right investors before starting up and to focus on the capital that one has. Mr. Yogesh Sharma, Manager, IDBI, talked about the reasons behind failure of the Start Ups and warned that success rate of Start Ups is very less, so one should also have a

second plan to get the ideas rolling. In the end all students of DMS, SKIT presented their papers on the theme.

NATIONAL CONFERENCE ON "RIGHT TO INFORMATION" :



Department of Management Studies organized a National Seminar on Right to Information (RTI) Act on 24 October, 2018. The initial remarks were given by Dr Ona Ladiwal, Associate Professor. Shri Jaipal Meel, Director, SKIT welcomed the guests. Prof S.L. Surana, Director (Academics), SKIT gave information about the Institute. Shri Alok Kulshreshtha, member of TII presented the theme of the seminar to. Shri G. S. Hora, Chairman, TII Rajasthan chapter also addressed the audience. A presentation was given by Shri J.K. Sachdeva, Vice Chairman of TII and Shri Alok Kulshreshtha. Shri V.K. Singhvi, Secretary TII shared his views with the audience. Prizes were awarded to the winners of quiz on RTI, and the paper presentations. A vote of thanks was given by Prof (Dr) S.K. Calla, Director (D&W), SKIT.



PANEL DISCUSSION ON UNION BUDGET-2019

A panel discussion on Union Budget-2019 was organized by the Department of Management Studies on February 5, 2019. The

Panelists shared their views related to agriculture, rural development, trade, economy, taxation, housing, health, education, science & technology, banking, finance, infrastructure development, defense and social sectors. The students presented a comparative picture of the current budget and the budgets of previous years. In the following session CMA Akshay Sen, of Hindusthan Zinc Ltd. shared his expert knowledge on the budget. He discussed various technical aspects of the budget & taxation. The discussion was coordinated by Dr. Atul Gupta, Associate Professor. These discussions helped the audience in understanding the impact of budget on the individual and economy.

INTERNATIONAL CONFERENCE ORGANISED

1. A one day international conference on “Management, Business and Economy” was organized by the Department of Management Studies, SKIT on 20 April, 2019. The inaugural ceremony of the conference was held in J. C. Bose auditorium. The holy lamp was lit and goddess Saraswati was beckoned to bless the occasion.

Dr. Atul Gupta, (Convener) welcomed all the delegates from different corners of the globe and also briefed about the theme & objectives of the conference.

Thereafter, Prof. S.L. Surana, (Director Academics, SKIT) in his address threw light on various issues related to the theme of the conference. He highlighted the fact that the next 15 years will be favourable for global economy as the growth of emerging markets will likely be driven by China, India and Southeast Asia.

Chief guest Mr. Harman Manslanting, (Consultant, Sustainable Agriculture for GoI, Netherlands) discussed about major challenges and issues of corporate sector, such as: ethics, environment, climate changes, dwindling natural resources, income distribution methods, workforce management and retrenchment. He was concerned about concentration of wealth in a few hands and institutions, which he believed, is another issue for analysis in the present scenario.

The conference had three plenary sessions. The sub-theme of the first session was “World Economy & Future Expectations”. Dr. Bhawna Johri, Associate Professor, Department of Applied Business Economy, Dayalbagh University, Agra, U.P. and Dr. Prashant Pareek, Professor, AURO University, Surat, Gujarat were the session experts. Dr. Bhawna explained the need for transparent economy. She deliberated on contribution of creative skills in economy. Gross Domestic Product (GDP) and its improvement was the key aspect of her discussion. After that Dr. Prashant, in his discussion about shift in global economy, presented a comparative picture of developed and developing economies in the world.

Dr. Mukesh Jain, Professor, Department of Business Administration, University of Rajasthan, Jaipur, and Dr. Ramesh Arora, former Professor, University of Rajasthan, Jaipur were the key note

speakers of the second plenary session on “Role of Management in Changing Environment”. Dr. Mukesh focused on areas like cost cutting solutions, digitalisation advantages, adaptive marketing, cut-throat competition and survival challenges. Dr. Ramesh explained the competitive frameworks, ethical crisis and globalisation of mind for diversified benefits of economy. He also underlined the importance of managerial and leadership aspects for sustainable economical development.

The third plenary session was on “Business Leadership & Sustainable Development”. Dr. Harsh Purohit (Professor, Banasthali Vidyapith University), and Mr. Herman Manslanting, (Consultant, Sustainable Agriculture for GoI, Netherlands) were the resource persons for the session. Dr. Harsh talked on various issues and challenges in digitalization of the nation. He highlighted the importance and need of effective communication, skills development, and value of being updated and aware of latest developments in respective areas. Elaborating further on the theme Mr. Manslanting accentuated on generating new ideas and how we can effectively contribute towards strengthening of business economy.

Various academicians, research scholars and students presented their research findings on the theme of the conference during the parallel sessions. The conference concluded with valedictory session wherein certificates were distributed to all the participants. Mementos were also given to the keynote speakers of the conference. Dr. Ona Ladiwal, proposed a vote of thanks to all the delegates as well as organizing and technical committees for the smooth conduction and huge success of ICMBE-2019. The proceeding of the conference were efficiently managed by Dr. Savita Choudhary and Dr. Atul Gupta (Conveners).

2. The Department of Management Studies organized an international conference on “Circular Economy- Switching from Linear Economy to Circular Economy, using Recycling and Minimizing Waste” on 9 March, 2019. The conference was organized in association with FLEECA India Pvt. Ltd. and Circular Economy Club, UK.

Following are some of the outcomes of the conference:

- The conference was attended by more than 250 participants which included 150 students from colleges and about 100 participants from the corporate sector.
- The conference provided a good opportunity to foster knowledge-sharing on various contemporary issues in the context of circular economy.
- The conference met its objectives in promoting the young students to deliberate about the sustainability and innovative practices for the betterment of society.

A panel discussion on “Circular Economy: Prospects & Challenges” was also organized during the conference. Ms. Alka Batra focused on capacity building efforts made by FICCI for promoting circular economy and its role in collaboration with government/ private industries for promoting the concept of circular economy in SME's.

Later, Mr. Ankur Sagar, discussed about differentiate designing and manufacturing process contributing towards circular economy in automotive industry. Mr. Amit Sharma stressed on various approaches in integrating circular economy with regular mainstream skills development courses. Mr. Kuldeep Chandana discussed the application of circular economy principles in hospitality industry. He also suggested ways in which hotels choose to organize themselves to promote a more climate-friendly tourism. Mr. Sandeep Verma laid stress on the logic of circular economy and the initiatives of the companies already doing it.

Mr. Abhijeet Bhoge talked about the steps toward a circular economy that requires changes in consumer behavior. Ms. Kavita Jain opined to design a building where the single element can be disassembled without any damage. She also focused the building element that can be recycled in a circular context. Ms. Suman Sharma focused on efforts that can be made by politicians and bureaucrats towards promoting circular economy. Mr. Sunil Sharma discussed various opportunities for start-ups and multinationals transitioning towards circular economy. He also suggested ways in which start-ups can contribute to the shift towards circular economy. Prof. SL Surana reflected on the responsibility of an institute towards circular economy. Ms. Malti Gupta talked about the principles of circular economy for bio medical waste. Dr. Savita Choudhary and Dr. Atul Gupta were the conveners of the conference.

Some observations of the conference:

- The youth should be an employment creator rather than a job seeker. He should be creative and dynamic and should work for reducing the waste.
 - The conference focused on 3 R's— Reduce, Reuse and Recycle policies.
 - There is an increased awareness and clarity about the role of government and various initiatives taken by it for nation building.
 - The action plan for generating new ideas was discussed. People, especially youth, should effectively contribute towards strengthening the manufacturing sector of India.
- The multi-faceted nature of the problems addressed during the international conference highlighted the opportunities available for positive actions towards circular economy.



NATIONAL WORKSHOP ON IPR ORGANISED

A National Workshop on “Intellectual Property Rights (IPR): Awareness and Training Programme” was organized by DMS-SKIT on 26 March, 2019. This Workshop was fully sponsored by Department of Science & Technology, Government of Rajasthan.

The inaugural ceremony of the conference began with the august gathering of many dignitaries in J. C. Bose auditorium. The workshop was inaugurated by Mr. Harsh Sahu, Advocate-High Court, Rajasthan. He very lucidly introduced the theme and emphasized on generating new ideas and how we can effectively contribute and employ IPR for nation building. Shri. Jaipal Meel (Director-SKIT), Prof. S. L. Surana (Director Academics, SKIT) and Prof. Ramesh Kumar Pachar (Principal, SKIT) were also present in the inauguration ceremony.

In the first session of the day Mr. Harsh Sahu, gave an expert talk on 'Introduction to IPR and their Importance'. He threw light on various investment opportunities in tangible assets. He mentioned that trade secrets are required to sustain a business but have become a typical task in today's intellectual digital world.

In the second session of the day, CA Prashant Sipani enlightened the participants with his experience on IPRs. He focused on Copyrights and Trademarks- Importance, Identification, and Registration procedure. He opined that IPR is an intangible asset of the company and future of the nation depends on IPR.

After that, a small activity on indentifying IPRs was conducted by CA Nipun Daga, Social Entrepreneur & Trainer. He discussed various contemporary case studies from real corporate world. Participants were keenly indulged in his session. CMA, Akshya Sen from Swastik



Integrated & Technology Solutions discussed about Patents – Importance, Identification, Filing process in the third session of the day. He stressed on the various government initiatives and their role in IPRs.

The fourth technical session was very animated and informative due to the expert lecture of CMA, Dharmendra Kumar, certified corporate trainer, from ICMAI. He threw light on various constitutional provisions of IPRs. Mr. Kumar enlightened and enriched the participants with his vast knowledge and experiences. The workshop ended with the feedback session followed by valedictory function and certificate distribution to the participant. Dr. Savita Choudhary gave a formal vote of thanks to all key note experts and organizing committee for successfully organizing the event.

NPTEL COURSES

NAME : Dr. Savita Chaudhary
TOPIC/SUBJECT : Leadership
DURATION : July-October, 2018

NAME : Dr. OnaLadiwal
TOPIC/SUBJECT : Stress Management
DURATION : July-October 2018

NAME : Dr. Atul Gupta
TOPIC/SUBJECT : Marketing Management
DURATION : July to September 2018

NAME : Dr. Manisha Kaushik
TOPIC/SUBJECT : E-Business
DURATION : July to October 2018

FAREWELL PROGRAMME

'Waqt- E- Ruksat' was organized by MBA juniors on 29 April, 2019 to bid good bye to their beloved seniors. It was a successful event wherein the following students were selected as:

Mr. Farewell -Vivek Soni
Mr. MBA-Harshit Sharma
Mr. Personality- Krishan Soni
Miss Farewell -Kavita Jat.
Miss MBA- Juhi Bhora.
Miss Personality- Kanksha Malhotra.



Darshan Kothari CS I Year



Vijeta Kachawa, (Assistant Professor- CS)

DEPARTMENT OF SCIENCE AND HUMANITIES

DEPARTMENT OF CHEMISTRY

HAPPENINGS

Celebration of Vigilance Awareness Week
from 29 Oct to 3 Nov, 2018
Theme for this year was 'Eradicate Corruption-Build a New India'
Organized by Dr. Anurag Sharma

Seven Day NSS Special Camp (27 February, 2019 to 5 March, 2019)
Venue: Dantli Village Tehsil Sanganer, Jaipur
Theme of the Camp: "Gramothan"
Organized by: Dr. Anurag Sharma

"Nukkad Natak Drive" (NSS Event) (20 Jan 2018)
Theme: Education System
Organized by Dr. Anurag Sharma

INDUCTION PROGRAMME ATTENDED

NAME : Prof. Archana Saxena
ORGANISED BY : AICTE-ISTE sponsored SKIT, Jaipur
TOPIC/ SUBJECT : Nanotechnology: Recent Advancements and Challenges
DURATION : 1 week 02 to 07(July, 2018)

NAME : Dr. Sharda Soni
ORGANISED BY : TEQIP-III RTU (ATU) RTU, Kota and SKIT, Jaipur
TOPIC/ SUBJECT : Induction Programme
DURATION : 22-24 March, 2018

NAME : Dr. Sharda Soni
ORGANISED BY : AICTE-ISTE sponsored - SKIT, Jaipur
TOPIC/ SUBJECT : Nanotechnology: Recent Advancements and Challenges
DURATION : 02 to 07 July, 2018

NAME : Dr. Anurag Sharma
ORGANISED BY : AICTE-ISTE sponsored- SKIT, Jaipur
TOPIC/ SUBJECT : Nanotechnology: Recent Advancements and Challenges
DURATION : 02 to 7 July, 2018

WORKSHOP ATTENDED

TITLE : Virtual Labs
DATE : 6 April, 2019
ORGANISED BY : IIT Delhi
ATTENDED BY : Dr. Sharda Soni

TITLE : How to Set Question Papers and Proper Evaluation of Answer Books
DATE : 26 June to 28 June, 2018
ORGANISED BY : SKIT, Jaipur
ATTENDED BY : Dr. Sharda Soni

TITLE : Teacher's Training Workshop (TTW) on Induction Programme
DATE : 22 to 24 March 2018
ORGANIZED BY : RTU KOTA at SKIT, Jaipur
ATTENDED BY : Dr. Sharda Soni

EVENTS ORGAGNIZED

I Blood Donation Camp – 1 Oct, 2018
Organized By: Prof. Archana Saxena

II Blood Donation Camp – 27 Mar, 2018
Organized By: Dr. Anurag Sharma

IOT Work Shop – 26 Jan 2019
Organized By: Dr. Sharda Soni

"International Workshop on "Innovation Ecosystem in Silicon Valley" On 13 February 2019
Program Coordinated by : Dr. Anurag Sharma

NPTEL COURSE COMPLETED

NAME : Dr. Poonam Ojha
TOPIC/ SUBJECT : Non-conventional Energy Resources.
DURATION : 12 Week Course (Jan 28 – April 19))
Awarded Elite certificate and silver medal

NAME : Dr. Swati Joshi
TOPIC/ SUBJECT : Non-Conventional Energy Resources
DURATION : 12 Week Course (Jan 28 – April 19))
Awarded Elite certificate and silver medal

NAME : Dr. Swati Joshi
TOPIC/ SUBJECT : Stereochemistry
DURATION : 8 Week Course (Oct 2018.)
Awarded Elite certificate and gold medal with I rank

NAME : Dr. Vinita Sharma
TOPIC/ SUBJECT : Coordination Chemistry

DURATION : 12 Week Course (Oct 2018.)
Awarded Elite certificate in course

NAME : Dr. Sharda Soni
TOPIC/ SUBJECT : Non-Conventional Energy Resources.
DURATION : 12 Week Course (July-Oct., 2018)
Received Gold certificate and Course equivalent to 1.5 week
Faculty Development Programme

FACULTY DEVELOPMENT PROGRAMME (FDP) ATTENDED:

NAME : Prof. Archana Saxena
ORGANISED BY : SKIT, Jaipur
TOPIC/ SUBJECT : Recent Trends in Nano Electronics
DURATION : 01-05 May, 2018

NAME : Dr. Sharda Soni
ORGANISED BY : TEQIP-III sponsored FDP programme,
National level, RTU, Kota and SKIT, Jaipur
TOPIC/ SUBJECT : Recent Trends in Nano-Electronics
(RTNE-2018)
DURATION : 1-5 May 2018

AWARD RECEIVED

Dr. Anurag Sharma recived "Award for Excellence in Education" by prestigious magazine "Simply Jaipur" on 5 Sept. 2018 The award was given by Chairperson, Ms. Suman Sharma, Mahila Aayog.



Robin Sing Chaudhary, IV B.Tech., Dept. of EE

DEPARTMENT OF MATHEMATICS

BOOKS PUBLISHED

TITLE : Integral Calculus
AUTHOR : Dr.Sangeeta Choudhary
PUBLISHER : CBH, July 2018

TITLE : Optimization Techniques
AUTHOR : Dr.Jyoti Arora, C. P. Jain
PUBLISHER : CBH, July 2018

TITLE : Differential Calculus
AUTHOR : Dr Pramila Kumawat
PUBLISHER : CBH, July 2018

TITLE : 3D Coordinate Geometry
AUTHOR : Dr .N. K. Jangid
PUBLISHER : CBH, July 2018

TITLE : Engineering Mathematics-I
AUTHORS : Dr Rohit Mukherjee, Dr Amber Srivastava
PUBLISHER : Genius Publications (India), July 2018

TITLE : Advanced Engineering Mathematics-I
AUTHORS : Dr Rohit Mukherjee, Dr Amber Srivastava
PUBLISHER : Genius Publications (India), July 2018

TITLE : Advanced Engineering Mathematics
AUTHORS : Dr Rohit Mukherjee, Dr Amber Srivastava
PUBLISHER : Genius Publications (India), July 2018

TITLE : Advanced Mathematics
AUTHORS : Dr Rohit Mukherjee, Dr Amber Srivastava
PUBLISHER : Genius Publications (India), July 2018

TITLE : Advanced Engineering Mathematics-II
AUTHORS : Dr Rohit Mukherjee, Dr Amber Srivastava
PUBLISHER : Genius Publications (India), Jan 2019

TITLE : Engineering Mathematics-II
AUTHORS : Dr Rohit Mukherjee, Dr Amber Srivastava
PUBLISHER : Genius Publications (India), Jan 2019

TITLE : Discrete Mathematical Structures
AUTHOR : Dr Amber Srivastava
PUBLISHER : Genius Publications (India), Jan 2019

NPTEL COURSE COMPLETED

TITLE : Transform Techniques for Engineers
DURATION : July- Oct 2018 (12 weeks)
ATTENDED BY : Dr Sangeeta Choudhary
TITLE : Discrete Mathematics
DURATION : July-Oct 2018 (12 weeks)
ATTENDED BY : Dr. Vivek Vijay

TITLE : Discrete Mathematics
DURATION : July-Oct 2018 (12 weeks)
ATTENDED BY : Dr. Vijay Singhal,

TITLE : Computational Fluid Mechanics
DURATION : July-Oct 2018 (12 weeks)
ATTENDED BY : Sumit Gupta

TITLE : Mathematical Modelling: Analysis and Applications
DURATION : Sep- Oct 2018 (4 weeks)
ATTENDED BY : Dr.Shalini Shekhawat

TITLE : Transform Calculus and its Application in Differential Equations
DURATION : Feb.-April 2019
Attended by : Dr Pramila Kumawat

TITLE : Transform Calculus and its Application in Differential Equations
DURATION : Feb.-April 2019
ATTENDED BY : Dr Sangeeta Choudhary

TITLE : Engineering Mathematics I
DURATION : Feb.-April 2019
ATTENDED BY : Ms. Deepika Jain

FACULTY DEVELOPMENT PROGRAMME (FDP) ATTENDED:

TITLE : FDP for Student Induction
VENUE : MNIT, Jaipur
DATE : 9-11 July, 2018
ATTENDED BY : Dr Sangeeta Choudhary

WORKSHOP ATTENDED

TITLE : Computational Techniques in Mathematics
VENUE : VIT Campus
DATE : 10-12 January, 2019
ATTENDED BY : Dr. Sangeeta Choudhary

DEPARTMENT OF PHYSICS

INTERNATIONAL CONFERENCE ATTENDED

NAME : Ajay Kumar Sharma
TITLE : Materials for Energy Applications
DATE : 06 to 08 December 2018
VENUE : S.S. Jain Subodh P.G. (Autonomous) College, Jaipur

FACULTY DEVELOPMENT PROGRAMME (FDP) ATTENDED:

NAME : Dr. Braj Raj Sharma
TITLE : Advances in Optical Communication
DATE : 9 to 14 Feb., 2019
VENUE : SKIT and E & ICT Academy, MNIT, Jaipur (Ministry of Electronics and Information Technology (Meity), Govt. of India Sponsored)

NAME : Dr. Rishi Vyas
TITLE : Nanotechnology: Recent Advancements and Challenges
DATE : 02 to 07 July 2018
VENUE : SKIT in association with AICTE-ISTE02-07

NAME : Ajay Kumar Sharma
TITLE : Nanotechnology: Recent Advancements and Challenges
DATE : 02 to 07 July 2018
VENUE : SKIT in association with AICTE-ISTE

NPTEL COURSE COMPLETED BY FACULTY

NAME : Dr. Komal Sharma
TOPIC/ SUBJECT : Fiber Optics
DURATION : 8 Week Course (Jan-March, 2019) Secured position in top 5%

NAME : Dr. Komal Sharma
TOPIC/ SUBJECT : Non-Conventional Energy Resources
DURATION : 12 Week Course (July-Oct., 2018) Received Gold certificate and Course.

NAME : Rajiv Kumar
TOPIC/ SUBJECT : Fibre Optics
DURATION : 8 Week Course (Jan-March, 2019) Secured position in top 5% and Course.

NAME : Rajiv Kumar
TOPIC/ SUBJECT : Outcome Based Pedagogic Principles for Effective Teaching
DURATION : 4 Week Course (Aug. –Sept., 2018)

Received Elite certificate and course

NAME : Ajay Kumar Sharma
TOPIC/ SUBJECT : Non-Conventional Energy Resources
DURATION : 12 Week Course (July-Oct., 2018)

NAME : Ajay Kumar Sharma
TOPIC/ SUBJECT : Outcome Based Pedagogic Principles for Effective Teaching
DURATION : 4 Week Course (Aug. –Sept., 2018)

NAME : Dr. Braj Raj Sharma
TOPIC/ SUBJECT : Non-Conventional Energy Resources
DURATION : 12 Week Course (July-Oct., 2018)

NAME : Dr. Brajraj Sharma
TOPIC/ SUBJECT : Introduction to Electromagnetic Theory
DURATION : 8 Week Course (Aug. –Sept., 2018)

NAME : Dr. Rishi Vyas
TOPIC/ SUBJECT : Non-Conventional Energy Resources
DURATION : 12 Week Course (July-Oct., 2018)

NAME : Pawan Kumar Jain
TOPIC/ SUBJECT : Antennas
DURATION : 12 Week Course (July-Oct., 2018)

NAME : Pawan Kumar Jain
TOPIC/ SUBJECT : Non-Conventional Energy Resources
DURATION : 12 Week Course (July-Oct., 2018)

NAME : Dr. Manasvi Dixit
TOPIC/ SUBJECT : Non-Conventional Energy Resources
DURATION : 12 Week Course (July-Oct., 2018)

OTHER ONLINE COURSES COMPLETED

NAME : Ajay Kumar Sharma
TOPIC/ SUBJECT : Basics of Special Theory of Relativity
DURATION : 18, December 2018 to 08, March, 2019
ORGANISED BY : Prof.. H C Verma & Centre for Continuing Education, IIT, Kanpur

Received Certificate of Outstanding Performance

NAME : Dr. Brajraj Sharma
TOPIC/ SUBJECT : Basics of Special Theory of Relativity
DURATION : 18, December 2018 to 08, March, 2019
ORGANISED BY : Prof. H C Verma & Centre for Continuing Education, IIT, Kanpur

Received Certificate of Outstanding Performance

NAME : Pawan Kumar Jain
TOPIC/ SUBJECT : Basics of Special Theory of Relativity
DURATION : 18, December 2018 to 08, March, 2019
ORGANISED BY : Prof.. H C Verma & Centre for Continuing

Education, IIT, Kanpur
Received Certificate of Outstanding Performance

DEPARTMENT OF ENGLISH

REPORT ON TEQIP III SPONSORED WORKSHOP FOR STUDENTS ON COMMUNICATION SKILLS

The department of English, in association with RTU, Kota, organized a TEQIP sponsored national level workshop for three days i.e. from 20 March-22 March, 2018 on Communication Skills. The workshop was conducted with 150 students of SKIT and faculty members of the department. The speakers were eminent facilitators from IIT, Jodhpur, BITS, Pilani, University of Rajasthan, and Kurushetra University.

There were trainers and orators from Cambridge and British Council, JIIMS, Jaipur. Prof. Sangeeta Sharma, Former Head, Dept. of Humanities & Soc. Sc. BITS, Pilani. Her session was coupled with several exercises, language games and activities.

Prof. KK Gautam, former Head, Kurushetra University, delivered his session on Inputs to Excellence. His insights on Pragmatics and the ways to write better proved beneficial for the students. The third session was delivered by Prof. Vidya Sarveswaran, Head, IIT, Jodhpur on 'Mind your Language'. Through several videos, she explained the importance of using the correct language and depicted how the language is getting transformed. She also deliberated on the origin of words and the nuances of the language. All dignitaries of SKIT, including various heads of the departments attended the sessions.

Day two witnessed the session on Interview Skills conducted by Dr. Sanju Choudhary, Assistant Professor, University of Rajasthan. She dealt with the common questions and the answers in interview. She also answered the queries of students pertaining to interviews. The second session was about Effective Communication Skills for Engineering students.

It was conducted by Dr. Anupam Yadav, Assistant Professor, BITS, Pilani. The final day included the session on 'Power within Us is Limitless' delivered by Prof. Jyoti Pahwa, Trainer, Cambridge and British Council. Her session left students spell bound. The last session in the workshop was conducted by Dr. Vanadna Sharma on 'Nonverbal Communication'.

The valedictory session was conducted after the sessions. The vice Chancellor ,RTU , Dr. Harish, TEQIP Coordinator, Dr. Irum Alvi , Mr. Jaipal Meel, Director, were present on the occasion .The students were ecstatic to receive their certificates from Prof. N. P. Kaushik, Vice Chancellor, Rajasthan Technical University. Mr. Jaipal Meel, Director, SKIT appreciated the concern of the members of dept. of English and expressed the need for taking more such initiatives to embellish the communication skills of students.

NATIONAL WORKSHOP ORGANISED

TITLE : TEQIP-III sponsored Three day Workshop for Students on 'Communication Skills'
DATE : 20 March to 22March, 2018
ORGANIZED BY : RTU, Kota and SKIT, Jaipur.
COORDINATORS : Dr. Niraja Saraswat, Dr. Krishna Dayal Sharma, Dr. Nidhi Sharma, Dr. Neha Purohit, Dr. Anupriya Singh, Dr. Shikha Agarwal, Dr. Geetika Patni, Dr. Sheeba Anjum

5 DAY LEADERSHIP SKILLS ENHANCEMENT PROGRAMME ORGANISED

TITLE : Leadership Skills Enhancement Programme
DATE : 18 August to 20 August, 2018
ORGANIZED BY : SKIT, Jaipur
COORDINATORS : Dr. Krishna Dayal Sharma and Dr. Sharda Soni

PAPER PRESENTED

TITLE : Intermingling of Present Technology and Teaching of English
AUTHOR : Dr. Shikha Agarwal
CONFERENCE : 13th International Conference on Language, Literature, Social Sciences and Interdisciplinary Studies (LLSSI-18) from 25 to 26 June, 2018 at London (UK).Conference held at Holiday Inn Express London - Heathrow United Kingdom
Organized by : International Centre of Excellence in Humanities, Social Sciences and Interdisciplinary Studies

WORKSHOPS ATTENDED

TITLE : Teacher's Training Workshop (TTW) on Induction Programme
DATE : 13 June to 15 June 2018
ORGANIZED BY: Global Institute of Technology, Jaipur organized by RTU/AICTE sponsored by TEQIP-III
ATTENDED BY : Dr. Shikha Agarwal

TITLE : Teacher's Training Workshop (TTW) on Induction Programme
DATE : 22 to 24 March 2018
ORGANIZED BY: RTU KOTA at SKIT, Jaipur
ATTENDED BY : Dr. Neha Purohit

TITLE : Teacher's Training Workshop (TTW)on Induction Programme
DATE : 22 to 24 March 2018
ORGANIZED BY: RTU KOTA at SKIT, Jaipur
ATTENDED BY : Dr. Krishna Dayal Sharma

SHORT TERM COURSE ATTENDED

TITLE : Communication Skills
DATE : 14 May to 18 May, 2018
ORGANIZED BY: AICTE at MNIT, Jaipur
ATTENDED BY : Dr Niraja Saraswat

TITLE : Communication Skills
DATE : 14 May to 18 May, 2018
ORGANIZED BY: AICTE at MNIT, Jaipur
ATTENDED BY : Dr. Krishna Dayal Sharma

FACULTY DEVELOPMENT PROGRAMME (FDP) ATTENDED:

Title : FDP on Universal Human Values and Professional Ethics
Venue : RTU, Kota at Poornima College of Engineering, Jaipur
Date : 12 July to 19 July
Attended by : Dr Niraja Saraswat

Title : FDP on Universal Human Values and Professional Ethics
Venue : RTU, Kota at Poornima College of Engineering, Jaipur
Date : 12 July to 19 July
Attended by : Dr Krishna Dayal Sharma

NPTEL COURSES COMPLETED BY FACULTY

NAME : Dr. Nidhi Sharma
TOPIC/ SUBJECT : Postmodernism in literature
DURATION : Feb to April 2019 (8 Week Course)
Awarded Elite certificate and silver medal, Rank 4

NAME : Dr. Anupriya Singh
TOPIC/ SUBJECT : Postmodernism in literature
DURATION : Feb to April 2019 (8 Week Course)
Awarded Elite certificate and silver medal, Rank 5

NAME : Dr. Shikha Agarwal
TOPIC/ SUBJECT : Postmodernism in Literature
DURATION : Feb to April 2019 (8 Week Course)

NAME : Dr. Neha Purohit
TOPIC/ SUBJECT : Technical English for Engineers
DURATION : Aug to Sept 2018 (8 Week Course)
Awarded Elite certificate and Gold medal, Rank 2

NAME : Ms. Sheeba Anjum
TOPIC/ SUBJECT : Technical English for Engineers
DURATION : Aug to Sept 2018 (8 Week Course)
Awarded Elite certificate

RESEARCH PAPERS PUBLISHED

TITLE : Examining the Effect of Outstanding Orders in Stochastic Inventory Systems
 AUTHORS : Achin Srivastav, Nidhi Srivastav, S Agrawal
 JOURNAL : SKIT Research Journal Vol. 8 issue 2 Pg. 51-55.

TITLE : NAM- A nearest Acquittance Modeling approach for VM Allocation Using R-Tree.
 AUTHORS : A. Jiyani, M. Mahrishi,
 JOURNAL : International Journal of Computers and Applications (IJCA), Taylor & Francis, SCImago (Elsevier), Scopus (Elsevier), 2018

TITLE : NAM- A nearest Acquittance Modeling approach for VM Allocation Using R-Tree.
 AUTHORS : Nidhi Srivastav, Achin Srivastav
 JOURNAL : ICETCE-2019

TITLE : Performance of Fuzzy Filter and Mean Filter for Removing Gaussian Noise
 AUTHORS : Pankaj Dadheech
 JOURNAL : International Journal of Computer Applications (0975 – 8887), Volume 182 – No. 38, January 2019, pp 29-35, DOI: 10.5120/ijca2019918399.

TITLE : Comparative Analysis of Energy Consumption in Sensor Node Scheduling Heuristics in Wireless Sensor Network”,
 AUTHORS : Dr. Sunita Gupta
 JOURNAL : Engineering Vibration, Communication and Formation Processing, Lecture Notes in Electrical Engineering 478, DOI 10.1007/978-981-13-1642-5_36 Springer Nature Singapore Pvt. Ltd. 2019, K. Ray et al. (eds.). Indexed at ISI Proceedings, EI Compendex, DBLP, SCOPUS, Springer link.

TITLE : A Deep Network Model for Paraphrase Detection in Short Text Messages
 AUTHORS : Basant Agarwal, Heri Ramampiaro, Helge Langseth & Massimiliano Ruocco
 JOURNAL : Information Processing & Management, Elsevier, Volume 54, Issue 6 November 2018 pages 922-937, 2018.

TITLE : Spam Detection on Social Media using Semantic Convolutional Neural Network
 AUTHORS : Gauri Jain, Manisha & Basant Agarwal
 JOURNAL : International Journal of Knowledge Discovery in Bioinformatics (IJKDB), IGI Global, Vol. 8 (1) pp. 12-26, 2018.

TITLE : Optimizing Semantic LSTM for Spam

Detection.
 AUTHORS : Gauri Jain, Manisha Sharma & Basant Agarwal
 JOURNAL : International Journal of Information Technology, Springer, DOI: 10.1007/s41870-018-0157-5, 2018.

TITLE : Devanagiri Character Recognition Model Using Deep Convolution Neural Network
 AUTHORS : Shrawan Ram, Shloak Gupta & Basant Agarwal
 JOURNAL : Journal of Statistics and Management Systems, Taylor Francis, 21 (4), pp. 593–599, 2018.

TITLE : Diabetic detection using Convolutional Neural Network
 AUTHORS : Shikhar Seth & Basant Agarwal
 JOURNAL : Journal of Statistics and Management Systems, Taylor Francis, 21 (4), pp. 569–574, 2018

TITLE : An Efficient Approach for Big Data Processing using Spatial Boolean Queries.
 AUTHORS : Pankaj Dadheech, Dinesh Goyal, Sumit Srivastava & C. M. Choudhary
 JOURNAL : Journal of Statistics and Management Systems (JSMS), Taylor & Francis Group Journal, ISSN: 0972-0510 (Print), ISSN: 2169-0014 (Online), 21:4, 583-591, DOI: 10.1080/09720510.2018.1471258. (2018)

TITLE : Performance Improvement of Heterogeneous Hadoop Clusters using Query Optimization.
 AUTHORS : Pankaj Dadheech, Dr. Dinesh Goyal & Dr. Sumit Srivastava
 JOURNAL : Information Systems & e-Business Network, Elsevier, ISSN:1556-5068, pp.210-215, 2018.

TITLE : A Fault Tolerance Based Route Optimization & Data Aggregation using Artificial Intelligence to Enhance Performance in Wireless Sensor Networks
 AUTHORS : Vinod Kumar Menaria; S.C. Jain; A. Nagaraju
 JOURNAL : DOI: 10.1504/IJWMC.2018.091139, 2018

TITLE : Online Multi-object Tracking: Multiple Instance based Target Appearance Model.
 AUTHORS : T. Badal, N. Nain & M. Ahmed
 JOURNAL : Multimedia Tools and Applications, 1-23, Publisher: Springer US, 2018

TITLE : A Survey on Management of Power Consumption with Remote Automation.
 AUTHORS : Ashu and Sunil Dhankhar.
 JOURNAL : PDMKB An International Multidisciplinary

Journal, Research MaGma, 21-24. 2018

TITLE : Bigtable: A Distributed Multilevel Map.
 AUTHORS : Amritanshu Singh Chauhan, Akshita Khatri, Nikhar Bhatnagar & Priyanka Sharma
 JOURNAL : International Journal of Computer Science Trends and Technology (IJCTST), Vol. 6 1. ISSN: 2347-8578.pp. 90-93 Jul-Aug 2018.

TITLE : Industry Oriented Cloud Platforms and Applications.
 AUTHORS : Nandita Khemnani, Sonal Khanna, Priyanka Sharma & Nikhar Bhatnagar
 JOURNAL : 1st International Conference on Emerging Technologies in Computer Engineering ISSN: 2456-7078. ICETCE-2018

TITLE : Enhancement of Sobel Edge Detector using Fuzzy Approach.
 AUTHORS : Ms. Neha Mathur, Ms. Shruti Mathur, Ms. Divya Mathur & Mr. Pankaj Dadheech
 JOURNAL : 1st International Journal of Computer Engineering (ICETCE-2018), UGC approved Journal: Research Magma, ISSN: 2456-7078, Page: 70-74. 2018

TITLE : Increase Security of Data with respect to both Confidentiality & Integrity over Cloud
 AUTHORS : Rubal Deep Gill, Neha Kapoor & Harpreet Singh Gill
 JOURNAL : International Journal of Applied Engineering Research ISSN 0973-4562 Vol. 13, Number 10 pp.7388-7391, 2018

TITLE : Examining the Effect of Outstanding Orders in Stochastic Inventory Systems
 AUTHORS : Achin Srivastav, Nidhi Srivastav, S Agrawal
 JOURNAL : SKIT Research Journal Vol. 8 issue 2 Pg. 51-55.

TITLE : Implementation of some Program Outcomes (POs) Prescribed by NBA for B. Tech. Degree Programs
 AUTHOR : N.K. Banthiya
 JOURNAL : SKIT Research Journal, SKIT, ISSN: 2278-2508, 9(1), pp. 101-108, 2019

TITLE : Effect of Compression Ratio on Combustion and Emission Characteristics of C.I. Engine Operated with Acetylene in Conjunction with Diesel Fuel
 AUTHOR : Kapil Dev Choudhary, Ashish Nayyar, M.S. Dasgupta
 JOURNAL : Fuel, Elsevier, ISSN: 0016-2361, 214, pp. 489-496, 2018

TITLE : Design and Experimental Investigations on Six-stroke SI Engine using Acetylene with Water Injection
 AUTHOR : Keshav Gupta, Kishanlal Suthar, Sheetal Kumar Jain, Ghanshyam Das Agarwal, Ashish Nayyar
 JOURNAL : Environmental Science and Pollution Research, Springer, ISSN: 0944-1344, 25 (23), pp. 23033–23044, 2018

TITLE : A Teaching–Learning–Based Optimization Algorithm for the Resource-Constrained Project Scheduling Problem
 AUTHOR : Dheeraj Joshi, M.L. Mittal, Manish Kumar
 JOURNAL : Harmony Search and Nature Inspired Optimization Algorithms, Advances in Intelligent Systems and Computing, Springer, Singapore, Online ISBN: 978-981-13-0761-4, 741, pp. 1101-1109, 2018

TITLE : A Tabu Search Algorithm for Simultaneous Selection and Scheduling of Projects
 AUTHOR : Manish Kumar, M.L. Mittal, Gunjan Soni, Dheeraj Joshi
 JOURNAL : Harmony Search and Nature Inspired Optimization Algorithms, Advances in Intelligent Systems and Computing, Springer, Singapore, Online ISBN: 978-981-13-0761-4, 741, pp. 1111-1121, 2018

TITLE : A Hybrid TLBO-TS Algorithm for Integrated Selection and Scheduling of Projects
 AUTHOR : Manish Kumar, M.L. Mittal, Gunjan Soni, Dheeraj Joshi
 JOURNAL : Computers & Industrial Engineering, Elsevier, ISSN: 0360-8352, 119, pp. 121-130, 2018

TITLE : Analysing the Process Capability of Carburettor Manufacturing
 AUTHOR : Manish Yadav, Manoj Kumar Sain, Dheeraj Joshi
 JOURNAL : Skit Research Journal, SKIT, ISSN: 2278-2508, 8(1), pp. 47-51, 2018

TITLE : On a Single Item Single Stage Mixture Inventory Models with Independent Stochastic Lead Times
 AUTHOR : Achin Srivastav, Sunil Agrawal
 JOURNAL : Operational Research, Springer, ISSN: 1866-1505, pp. 1-39, <https://doi.org/10.1007/s12351-018-0408-z>, 2018

TITLE : Multi-Objective Optimization of Slow Moving Inventory System Using Cuckoo Search

AUTHOR : Achin Srivastav, Sunil Agrawal
 JOURNAL : Intelligent Automation & Soft Computing, Autosoft, Taylor and Francis, ISSN: 1079-8587, 24(2), pp. 343-349, 2018

TITLE : A Case Study on Nicks Formation in a Bearing Manufacturing Industry
 AUTHOR : Praveen Saraswat, Manoj Kumar Sain, Dheeraj Joshi
 JOURNAL : Skit Research Journal, SKIT, ISSN: 2278-2508, 8(1), pp. 43-46, 2018

TITLE : Impact of Posture and Upper-limb Muscle Activity on Grip Strength
 AUTHOR : R Jain, ML Meena, Manoj Kumar Sain, GS Dangayach
 JOURNAL : International Journal of Occupational Safety and Ergonomics, Taylor and Francis, ISSN: 1080-3548, doi: 10.1080/10803548.2018.1501972, Published online: 31 Aug, 2018

TITLE : Properties and Effects of Organic Additives on Performance and Emission Characteristics of Diesel Engine: A Comprehensive Review
 AUTHOR : Chandan Kumar, Kunj Bihari Rana, Brajesh Tripathi, Ashish Nayyar
 JOURNAL : Environmental Science and Pollution Research, Springer, ISSN: 0944-1344, 25(23), pp. 22475–22498, 2018

TITLE : Combustion Characteristics of Methanol Blended Diesel Fuel in CI Engine
 AUTHOR : Chandan Kumar, K. B. Rana, B. Tripathi, Priyanka Gupta
 JOURNAL : International Journal of Pharmaceutical Sciences Review and Research, Global Research Online, SN: 0976-044X, 50(1), pp. 101-104, 2018

TITLE : Modeling and Experimental Investigation on Performance and Emissions on a Diesel Engine using Bio-oxygenated Ternary Fuel Blends
 AUTHOR : Ashish Nayyar, Dilip Sharma, Shyam Lal Soni, Bhuvnesh Bhardwaj, Manu Augustine
 JOURNAL : Energy, Elsevier, ISSN: 0360-5442, 168, pp. 136-150, 2019

TITLE : Experimentally Optimization of Ariable Compression RaRatio Enginerformance Using Different Blends of Coton Seed with Diesel Fuel at Different Compression RaRatio
 AUTHOR : Satendra Singh, Ashish Nayyar, Rahul Goyal,

Mahesh Sain
 JOURNAL : International Journal of Mechanical Engineering and Robotics research ISSN: 2278-0149, 8(1), pp. 121-128, 2019

TITLE : Exploring the Musculoskeletal Problems and Associated Risk-factors among Brick Kiln Workers
 AUTHOR : Manoj Kumar Sain, Makkhan Lal Meena
 JOURNAL : International Journal of workplace Health Management, Emerald Publishing Limited, ISSN: 1753-8351, 11(6), pp. 395-410, 2018

TITLE : Identiyng Musculoskeletal Issues and Associated Risk-factors among Clay Brick Kiln Workers
 AUTHOR : Manoj Kumar Sain, Makkhan Lal Meena
 JOURNAL: Industrial Health, National Institute of Occupational Safety and Health, ISSN : 0019-8366, 2018, doi: 10.2486/indhealth.2018-0096

TITLE : Effect of Diesel-Methanol-Nitromethane Blends Combustion on CR Stationary CI Engine performance and Exhaust Emissions.
 AUTHOR : Chandan Kumar, Kunj Bihari Rana, Brajesh Tripathi
 JOURNAL : Environmental Science and Pollution Research, Springer, ISSN: 0944-1344, pp. 1–15, 2019, <https://doi.org/10.1007/s11356-018-04058-1>

TITLE : Analysis of Critical Drivers Affecting Implementation of Agent Technology in a Manufacturing System
 AUTHOR : Om Ji Shukla, Abhijeet Joshi, Gunjan Soni, and Rajesh Kumar
 JOURNAL : Journal of Industrial Engineering International, Springer, ISSN: 1735-5702, pp. 1-11, 2019, <https://doi.org/10.1007/s40092-018-0293-3>

TITLE : Parametric Study on Printing Time and Cot of Component in 3D Printing
 AUTHOR : Mahesh Sharma, Praveen Saraswat, Dheeraj Joshi
 JOURNAL : SKIT Research Journal, SKIT, ISSN: 2278-2508, 8(2), pp. 45-50, 2018

TITLE : Examining the Effect of Outstanding Orders in Stochasstic ventory Systems
 AUTHOR : Achin Srivastav, Nidhi Srivastav, Sunil Agrawal

JOURNAL : SKIT Research Journal, SKIT, ISSN: 2278-2508, 8(2), pp. 51-56, 2018

TITLE : Simulation-based Study of Gravity-powered Illuminaation Apparatus Using MATLAB Simulinks
 AUTHOR : Mayank Aggarwal, Lakshya Yadav, Praveen Saraswat
 JOURNAL : International Journal of Electo Mechanics and Mechanical Behaviour, 3(2), 2018

TITLE : Implementation of some Program Outcomes (POs) Prescribed by NBA for B. Tech. Degree Programs
 AUTHOR : N.K. Banthiya
 JOURNAL : SKIT Research Journal, SKIT, ISSN: 2278-2508, 9(1), pp. 101-108, 2019

TITLE : Heat Transfer Analysis of Circular Tubes using Extended Surfaces
 AUTHORS : Sanjay Kumar Sharma, Ashish Nayyar, Chandan Kumar
 JOURNAL : SKIT Research Journal, SKIT, ISSN: 2278-2508, 9(1), pp. 86-92, 2019

TITLE : Synthesis Techniques of Functionally Graded Materials: A Review
 AUTHORS : Ashwini Kumar, Vikash Gautam, Praveen Saraswat
 JOURNAL : SKIT Research Journal, SKIT, ISSN: 2278-2508, 9(1), pp. 72-80, 2019

TITLE : Productivity Improvement of Single Basin Solar Still having Heat Pipe Arrangement: An Experimental Study for Jaipur
 AUTHORS : Pankaj Sharma, Chandan Kumar, Amit Kumar Bansal
 JOURNAL : SKIT Research Journal, SKIT, ISSN: 2278-2508, 9(1), pp. 81-85, 2019

TITLE : Mechanical Static Bending Analysis of FG-Rectangular Plate Using MATLAB
 AUTHORS : Prakash Bharadwaj and Jitendra Kumar
 JOURNAL : SKIT Research Journal, SKIT, ISSN: 2278-2508, 9(1), pp. 93-97, 2019

TITLE : An Introduction to the Design of Foldable E-Bike for Clean & Safe Travelling in Smart Cities
 AUTHORS : Anop Mundel, Ashwani Gupta, Devansh Dixit, Ganesh Patel, Mayank Agarwal and Ajay Kumar Dhanopia
 JOURNAL : IOSR Journal of Engineering (IOSR JEN) ISSN: 2278-8719, pp. 07-13, 2019

TITLE : Similar Properties of Selenium and Tellurium as Semiconductor
 AUTHORS : Swati Arora, Y. K. Vijay and Y. C. Sharma
 JOURNAL : European Journal of Advances in Engineering and Technology (EJAET), ISSN 2394 - 658X, Vol. 5, issue 3, pp.214-217, Mar. 2018

TITLE : Effect of Channel Thickness on the Properties of Metal Semiconductor Field Effect Transistor.
 AUTHORS : Swati Arora, Y. K. Vijay and Y. C. Sharma
 JOURNAL : International Journal of Engineering Sciences and Emerging Technologies, ISSN 2231-6604, Vol. 10, Issue 2, pp.42-51, Jan 2018

TITLE : Fractal Fork Shape UWB Monopole Antenna with Ground Deformities.
 AUTHORS : Shubhi Jain, R K Khanna, Pankaj Kumar Goswami and Harshal Nigam
 JOURNAL : International Journal of Applied Engineering Research, ISSN 0973-4562, vol. 13, issue 6, pp. 3816-3821, 2018

TITLE : Generations of Photovoltaics - A Review
 AUTHOR : Gloria Joseph
 JOURNAL : International Journal of Enhanced Research in Science, Technology & Engineering/ ER publication, ISSN 2319-7463, Vol.7, Issue 4, pp.17-29, 2018

TITLE : Design and Analysis of Low Coupling, High Transmission Optical Wavelength De-multiplexer based on Two Dimensional Photonic Crystal.
 AUTHORS : Gloria Joseph and Ritika Dhaka
 JOURNAL : International Journal of Advanced Engineering Research and Science / AI Publications, ISSN 2349-6495, Vol.5, Issue 4, pp. 85-88, 2018

TITLE : Fano Resonance Excited All-Optical XOR, XNOR, and NOT Gates with High Contrast Ratio.
 AUTHOR : Rukhsar Zafar
 JOURNAL : Springer, Plasmonics Photonics, Vol. 13, Issue 54, March, 2018

TITLE : Plasmonics-based Refractive Index Sensor for Detection of Hemoglobin Concentration.
 AUTHOR : Rukhsar Zafar
 JOURNAL : IEEE sensors Journal, Vol. 18, No. 11, June 1, 2018

TITLE : Implementation of Square of Two digit

number based on Vedic Mathematics.

AUTHOR : ManjuChoudhary
 JOURNAL : IJCRT, ISSN 2330-2882, Vol. 6(1), pp. 961-962, March, 2018

TITLE : Design of EBG Structured Parasitic Patch Antenna for Wireless Communication Applications.
 AUTHORS : Shubhi Jain, R K Khanna, Praveen K Jain, Ankit Agarwal & Pallav Rawal
 JOURNAL : European Journal of Advances in Engineering and Technology, ISSN: 2394 - 658X, vol. 5(3), pp. 207-213, 2018.

TITLE : Low Power-Area design of Four Bit Arithmetic and Logical unit (alu) in Cadence Virtuoso Platform.
 AUTHORS : Neeraj Jain, Hemanth Kumar, Arbaz Khan & Gaurav Sharma
 JOURNAL : International Journal of Creative Research Thoughts, IJCRT, ISSN: 2320-2882, Volume 6, Issue 2, pp. 1-6. April, 2018

TITLE : A Compact Coplanar Waveguide Fed Wideband Monopole Antenna for RF Energy Harvesting Applications.
 AUTHORS : Monika Mathur, Ankit Agrawal, Ghanshyam Singh, and Satish K. Bhatnagar
 JOURNAL : Progress in Electromagnetics Research M, Vol. 63, pp. 175–184, 2018

TITLE : A 2× 1 Coplanar Monopole Antenna Structure for Wireless RF Energy Harvesting
 AUTHORS : Monika Mathur, Ankit Agrawal, Ghanshyam Singh, and Satish K. Bhatnagar
 JOURNAL : IOP Conference Series: Materials Science and Engineering, Published Online: 29 March, 2018

TITLE : A Reconfigurable Microstrip Antenna with Defected Ground Structure for Radio Applications
 AUTHORS : Harshal Nigam, Shubhi Jain&Ruchika Jain
 JOURNAL : Proceedings of OWT 2017, Springer Singapore. Feb,2018

TITLE : Wave Function and Optical Gain Analysis in Al 0.42 Ga 0.58 As/ GaAs 0.64 Sb 0.36 Type-I Quantum Well Hetero Structure under the Effect of External Electric Field
 AUTHORS : Jay Prakash Vijay, Praveen K. Jain, Amit Rathi
 JOURNAL : International Journal of Applied Engineering Research ISSN 0973-4562, Vol. 13, No. 8 pp. 24-29, 2018

TITLE : A Miniaturized Structure of Implantable Antenna for Biomedical Application
 AUTHORS : Kajal, Monika Mathur
 JOURNAL : SKIT Research Journal, Vol. 8, Issue-2 pp. 37-39 ISSN-2278-2508, May, 2018

TITLE : Study of Structural, Magnetic and Optical Properties of eO–PbTiOTiO Muferroic Composites
 AUTHORS : Mohammad Shariq, Davinder Kaur, Vishal Singh Chandel, Praveen K. Jain, Sasi Florence, Mukul Sharma, Shahir Hussain
 JOURNAL : Arabian Journal for Science and Engineering, Volume 44, Issue 1, pp. 613–621, January, 2019

TITLE : Design and Analysis of High Performance PISO & PIPO Shift Registers
 AUTHORS : Namrata Joshi, Ravi Kumar Jangir
 JOURNAL : IOSR (International Organization of Scientific Research) Journal of Electronics and Communication Engineering (IOSR-JECE), vol. 14, issue 2 (Mar-April. 2019), Page 13-18, e-ISSN: 2278-2834, p-ISSN: 2278-8735

TITLE : Design of Low power and High speed Shift Register
 AUTHORS : Namrata Joshi, Ravi Kumar Jangir
 JOURNAL : IOSR (International Organization of Scientific Research) Journal of VLSI and Signal Processing (IOSR-JVSP), vol. 9, issue1, (Jan. - Feb. 2019), Page 28-33, e-ISSN: 2319 – 4200, p-ISSN No. : 2319 –4197

TITLE : Design of Power Efficient Johnson Counter
 AUTHORS : Namrata Joshi, Ravi Kumar Jangir
 JOURNAL : International Research Journal of Engineering and Technology (IRJET), vol. 6, issue2, (Feb. 2019), Page 996-999 e-ISSN: 2395-0056, p-ISSN: 2395-0072

TITLE : Cloud Detection in Satellite Images using Multi-objective Social Spider Optimization.
 AUTHORS : Gupta, Rachana, Satyasai Jagannath Nanda and Urvashi Prakash Shukla
 JOURNAL : Applied Soft Computing, Science Direct, vol.79, pages: 203-226, 2019

TITLE : Designing of a Risk Assessment Model for Issuing Credit Card Using Parallel Social Spider Algorithm
 AUTHORS : Urvashi Prakash Shukla and Satyasai Jagannath Nanda

TITLE : Fano Resonance Excited All-Optical XOR, XNOR, and NOT Gates with High Contrast Ratio
 AUTHORS : Dr. Rukhsar Zafar & Dr. Sarfaraz Nawaz
 JOURNAL : Plasmonics Journal (Springer) Issue February, 2018

TITLE : Power Loss Minimization in Radial Distribution System Using Network Reconfiguration and Multiple DG Units
 AUTHOR : Dr. Sarfaraz Nawaz
 JOURNAL : European Journal of Scientific Research Volume 148 Issue 4 March, 2018

TITLE : Plasmonics based Refractive Index Sensor for Detection of Hemoglobin Concentration Sign In or Purchase
 AUTHORS : Dr. Rukhsar Zafar & Dr. Sarfaraz Nawaz
 JOURNAL : IEEE Sensors Journal (Volume: 18, Issue: 11, 1 June, 2018

TITLE : A New Technique to Solve DG Allocation Problem for Distribution Power Loss Minimization
 AUTHORS : Dr. Sarfaraz Nawaz & Ankush Tandon
 JOURNAL : ICIC Express Letters Part B: Applications Volume 9, Number 7, July 2018

TITLE : Smart Walking Stick for Visually Impaired Person
 AUTHORS : Dr. Sarfaraz Nawaz, Himanshu Gautam & Kamal Bhopani
 JOURNAL : International Journal of Scientific Research in Science and Technology Vol. 4, Issue 52018 Mar-Apr 2018

TITLE : Application of Gey WWolf Optimazation in Optical Control of DC Motor and Robustness Analysis'
 AUTHORS : Mr. Abhishek Gupta
 JOURNAL : SKIT Research Journal Volume 8; Issue1: 2018

TITLE : Biocatalytic and Electrochemical Reduction of Ethyl Levulinate
 AUTHORS : Poonam Ojha, P.S. Verma and I.K. Sharma
 JOURNAL : Nature & Environment VOL 23, ISSUE 1 (2018) pp. 36-40 E-ISSN 23218738

TITLE : Yeast Mediated Reduction of Keto Amides and Keto Esters
 AUTHORS : Poonam Ojha, P.S. Verma and I.K. Sharma
 JOURNAL : Advanced Science, Engineering and Medicine VOL.1,ISSUE (2019) pp 141-143 ISSN 2164-6635 (Online)

TITLE : An Opposition Theory Enabled Moth Flame Optimizer for Strategic Bidding in Uniform Spot Energy Market
 AUTHORS : Ms. Pooja Jain and Dr. Akash Saxena
 JOURNAL : An International Journal of Engineering Science and Technology Journal, 5 April 2019. (Online Journal)

TITLE : Application and Development of Improved Meta-Heuristic for making Profitable Bidding Strategy in a Day-Ahead Energy Market under Step-Wise Bidding Scenario
 AUTHORS : Pooja Jain, Akash Saxena and Rajesh Kumar.
 JOURNAL : International Journal of Swarm Interlligence. (Inter-science, accepted for publication), June 2019

TITLE : A Comprehensive Study of Chaos Embedded Bridging Mechanisms and Crossover Operators for Grasshopper Optimisation Algorithm
 AUTHORS : Akash Saxena
 JOURNAL : Expert Systems with Applications (April,2019)

TITLE : A New Approach for Power Loss Minimization in Radial Distribution Network
 AUTHORS : Sarfaraz Nawaz, Manish Sharma and Ankush Tandon
 JOURNAL : S N Applied Science, SN Appl. Sci. (2019) 1:870.

TITLE : Transient Stability-oriented Assessment and Application of Preventive Control Action for Power System
 AUTHORS : Bhanu Pratap Soni, Akash Saxena, Vikas Gupta and S.L. Surana
 JOURNAL : The Journal of Engineering, (IET).

TITLE : β-Chaotic map enabled Grey Wolf Optimizer
 AUTHORS : A. Saxena, R Kumar and S Das
 JOURNAL : Applied Soft Computing, Feb 2019

TITLE : Identification of Generator Criticality and Transient Instability by Supervising Real-time Rotor Angle Trajectories employing RBFNN.
 AUTHORS : Bhanu Pratap Soni, Akash Saxena, Vikas Gupta and S.L. Surana
 JOURNAL : ISA Transactions. December. 2018

TITLE : Ambient Air Quality of Jaipur City: A Case Study
 AUTHORS : Dr. D. K. Sharma, Deepak Mathur and Himanshu Sharma
 JOURNAL : IOSR Journal of Engineering, ISSN (e): 2250-3021, ISSN (p): 2278-8719, pp. 38-42, April 2019.

TITLE : Comparative Statistical on Delhi and Nepal's Geological and Seismographic Conditions.
 AUTHORS : Abhishek Kumar, Anubhav Kumar, Abhimanyu Singh Bhati, Abhishek, Jitendra B. Jangid
 JOURNAL : International Journal for Research in Applied Science and Engineering Technology, Vol. 8, Issue 4, ISSN 2321-9653, Pg. 1708-1712, April 2019.

TITLE : Low cost Housing by Using Glass Fiber Reinforced Gypsum Panels.
 AUTHORS : Gaurav Saini, Kshitij Pant, Deepanshu Soni, Dipesh Jangid, Jitendra B. Jangid
 JOURNAL : International Journal for Research in Applied Science and Engineering Technology, Vol. 7, Issue 3, ISSN 2321-9653, Pg. 2308-2314, March 2019.

TITLE : Literature Review of Utilization of By-products in Concrete
 AUTHOR : Jitendra B. Jangid
 JOURNAL : IOSR Journal of Mechanical and Civil Engineering, ISSN (e): 2250-3021, ISSN (p): 2278-8719, Pg. 43-49, April 2019.

TITLE : Replacement of Aggregate by C&D Waste Concrete
 AUTHOR : Saurabh Singh
 JOURNAL : International Research Journal of Engineering & Technology, e-ISSN: 2395-0056, p-ISSN: 2395-0072, Pg. 2293-2300, March 2019.

TITLE : A Comparative Study of Noise Level in Jaipur City
 AUTHORS : Akash Johari, Saurabh Singh
 JOURNAL : SKIT Research Journal, VOLUME 9; ISSUE 1: 2019, ISSN: 2278-2508, Pg. 20-24, March 2019.

TITLE : Sustainability of Recycled Concrete Aggregates as Construction Material in Construction Field: A Review
 AUTHORS : Saurabh Singh, Suman Achera,

Bhuvneshwar Agnihotri
 JOURNAL : IOSR Journal of Mechanical and Civil Engineering, ISSN (e): 2250-3021, ISSN (p): 2278-8719, Pg. 46-50, April 2019.

TITLE : Analysis of Performance and Life Cycle Cost of Sequencing Batch Reactor: A Review
 AUTHORS : Anant Kumar Nagar, Saurabh Singh
 JOURNAL : IOSR Journal of Mechanical and Civil Engineering, ISSN (e): 2250-3021, ISSN (p): 2278-8719, Pg. 63-68, April 2019.

TITLE : Performance Analysis and Life Cycle Cost Analysis of Moving Bed Biofilm Reactor (MBBR) – A Review
 AUTHORS : Meena Khorwal, Jyoti Rajput, Saurabh Singh
 JOURNAL : IOSR Journal of Mechanical and Civil Engineering, ISSN (e): 2250-3021, ISSN (p): 2278-8719, Pg. 26-30, April 2019.

TITLE : Assessment of Physical and Chemical Water Quality Parameters at NH-11
 AUTHOR : Akash Johari
 JOURNAL : International Journal of Engineering Research & Technology, Vol. 8, Issue 4, ISSN: 2278-0181, Pg. 76-78, April 2019.

TITLE : Sustainability Analysis of Circular Building over Rectangular Building
 AUTHOR : Ankur Mishra
 JOURNAL : IOSR Journal of Mechanical and Civil Engineering, ISSN (e): 2250-3021, ISSN (p): 2278-8719, April 2019.

TITLE : Review Paper on “Bamboo as Reinforcement in Structural Concrete Elements”
 AUTHORS : Rajveer Singh Rathore, Nitesh Solanki, Akash Johari
 JOURNAL : IOSR Journal of Mechanical and Civil Engineering, ISSN (e): 2250-3021, ISSN (p): 2278-8719, Pg. 55-58, April 2019.

TITLE : Review Paper on “Smart City Concepts and Challenges”
 AUTHORS : Munish Shah, Rakshit Kohari, Akash Johari
 JOURNAL : IOSR Journal of Mechanical and Civil Engineering (UGC Approved Journal), ISSN (e): 2250-3021, ISSN (p): 2278-8719, Pg. 58-62, April 2019.

TITLE : Good Corporate Governance: Ethos and Importance
 AUTHOR : CS Pallavi Biyani
 JOURNAL : Chartered Secretary, National Journal for Corporate Professionals., National ICSI May 2017

TITLE : GST effect on Banking Services
 AUTHOR : CS Pallavi Biyani
 JOURNAL : ICSI-NIRO Journal Newsletter, Edition: January 2018

TITLE : Nature and Dimensions of Unorganized Sector in India
 AUTHOR : CS Pallavi Biyani
 JOURNAL : INSPIRA-Journal of Modern Management & Entrepreneurship (JMME), ISSN no. 2231-167X, UGC Approved Serial no 714, Journal no 45138, Page no. 95-100, 2018

TITLE : Webpreneurship: A Trending Career
 AUTHOR : CS Pallavi Biyani
 JOURNAL : International Journal of Research and Analytical Reviews ISSN no. 2349-5138, UGC & ISSN Approved, Volume 5, Issue 3, pp. 552-559 August 2018,

TITLE : Set Laws for Ware house Receipts Financing (Implementation of Negotiable Warehouse Receipt
 AUTHOR : Prof. (Dr.) VikasShrotriya
 JOURNAL : Inspira- Journal of Modern Management & Entrepreneurship (JMME)ISSN : 2231–167X, General Impact Factor : 2.5442, Volume 08, No. 03, July, 2018

TITLE : Storage and Processing of Agricultural Commodities
 AUTHOR : Prof. (Dr.) Vikas Shrotriya
 JOURNAL : International Journal of Advances in Arts, Sciences and Engineering (IJOAASE) August, 2018 Volume 7 Issue 15 ISSN: 2320-6144

TITLE : Polymer-metal-polymer (PMP) Multilayer Transparent Electrode for Organic Optoelectronics
 AUTHOR : Dr. Rishi Vyas
 JOURNAL : Materials & Design, Elsevier, 156, pp. 135-142 ISSN: 0264-1275 (online), Oct. 2018

TITLE : Investigation on the Suitability of Water/Polyethylene Glycol Solutions for GO Layer Deposition in GO/Ag/GO Films for Transparent Conducting Electrode

AUTHOR : Dr. Rishi Vyas
 JOURNAL : Applied Nano science, Springer-Nature, 2019, pp. 01-13, ISSN: 2190-5509 (print), 2190-5517 (online), March 2019

TITLE : Argon and Nitrogen Plasma Modification on Spin Coated ZnO Thin Films for Gas Sensing Applications
 AUTHOR : Dr. Rishi Vyas
 JOURNAL : SKIT Research Journal, SKIT Jaipur, 8(2), pp. 61-64, ISSN2278-2508(Print), 2454-9673 (Online) Oct. 2018

TITLE : Effect of TiO2 Concentration on Thermal Stability and Dielectric Properties of (PANI) 1-x (TiO2) x Nano composites
 AUTHOR : Ajay Kumar Sharma
 JOURNAL : Asian Journal of Chemistry, 31(4), pp. 855-859, ISSN: 0970-7077(Print), 0975-427X (Online), Feb. 2019

TITLE : Compact Broadband Cup Shaped Microstrip Patch Antenna for Modern Communication System
 AUTHORS : Pawan Kumar Jain & Dr. Braj Raj Sharma
 JOURNAL : SKIT Research Journal, SKIT Jaipur, 9(1), pp. 98-100, ISSN: 2278-2508 (Print) 2454-9673 (Online), April 2019

TITLE : Microbial Assay of Amoxicillin and the Photoproducts: A Simple Method to Assess the Toxicity of the Photoproducts of Antibiotics in Waste Water
 AUTHOR : Prof. Sangeeta Vyas
 JOURNAL : SKIT Research Journal, SKIT Jaipur, 8(1), ISSN2278-2508(Print), 2018

TITLE : Yeast Mediated Reduction of Keto Amides and Keto Esters
 AUTHOR : Dr. Poonam Ojha
 JOURNAL : Advanced Science, Engineering and Medicine 11(1) (2019) 141-143.

TITLE : Bio catalytic and Electrochemical Reduction of Ethyl Levulinate
 AUTHOR : Dr. Poonam Ojha
 JOURNAL : Nature and Environment 23(1) (2018) 36-40

TITLE : On Certain Fractional Calculus Results involving the Srivastava Polynomial and Generalized Struve Function
 AUTHOR : Sangeeta Choudhary
 JOURNAL : IJRAR, Vol. 6(1), March 2019

TITLE : An Efficient Analytical Technique for Fractional Partial Differential Equations occurring in Ion Acoustic Waves in Plasma
 AUTHOR : Sumit Gupta

JOURNAL : Journal of Ocean Engineering and Science, Feb 2019

TITLE : Generalized Fractional Integral Formulas Associated with the Srivastava-Tomovski Mittag-Leffler Function and the Srivastava Polynomials

AUTHOR : Vijay Singhal

JOURNAL : Journal of Fractional Calculus and Applications, Vol. 9, (2), 49-55, 2018

TITLE : ADMP: A Maple Package for Symbolic Computation and Error Estimating to Singular Two- point Boundary Value Problems with Initial Conditions

AUTHOR : Sumit Gupta

JOURNAL : Proc. Natl. AcadSci, Sep. 18

TITLE : Narrative Exuberance and Powerless Female depicted in Alice Munro's 'Runaway'

AUTHOR : Ms Geetika Patni

JOURNAL : International Journal of Recent Technology and Engineering ISSN; 2277-3878, 28 April, 2019

TITLE : Interpreter of Maladies Global approach and Local concerns in Indian Scenario: Analyzing Lahiri's narrative Techniques.

AUTHOR : Ms Geetika Patni

JOURNAL : International Journal of Research in Humanities, Arts and Literature. ISSN-2321-8878 Dec 2018

Calculation of Protein Family for Hot-spot Region Identification

AUTHORS : Harshit Mathur, Vikas Pathak, Yamini Rathore

CONFERENCE : International Conference on Advances in Science & Technology (ICAST-2018)

ORGANIZED BY : Physics Department at SKIT, Jaipur

DATE : May 4-5, 2018

TOPIC : Analysis of Device characteristics of Dual Material Double Gate Strained – Channel MOSFEET

AUTHOR : Rahul Pandey

CONFERENCE : IEEE Conference SCEECS18

VENUE : MANIT Bhopal

DATE : Feb 24-25, 2018

TOPIC : Current and Future Aspects of ZnO based Core-shell hetero structures for Optoelectronics Devices

AUTHOR : Jay Prakash Vijay

CONFERENCE : International Conference on Advances in Science & Technology (ICAST-2018)

ORGANIZED BY : Physics Department at SKIT, Jaipur

DURATION : May 4 to 5, 2018

TOPIC : Wave Function and Optical Gain Analysis in Al_{0.42}Ga_{0.58}As/ GaAs_{0.64}Sb_{0.36} Type-I Quantum well Hetero-structure under external electric field

AUTHOR : Jay Prakash Vijay

CONFERENCE : International Conference on Advances in Science & Technology (ICAST-2018)

ORGANIZED BY : Physics Department at SKIT, Jaipur

DURATION : May 4 to 5, 2018

TOPIC : Authentication Issues and Techniques in Cloud Computing Security: A Review

AUTHORS : Aakriti Sharma, Assistant Professor, Dept. of CSE, Pankaj Dadheech, Associate Professor, Dept. of CSE

CONFERENCE : International Conference on Sustainable Computing in Science, Technology & Management (SUSCOM-2019), February 26 to 28, 2019, | Amity University Rajasthan, Jaipur, India,

TOPIC : WSN: Qualitative Analysis of Black -hole Detection Plans

AUTHORS : Dr. Sunita Gupta, Associate Professor, Dept. of IT

CONFERENCE : Smart Computation and Technology (SCSCT2019), PIET, Jaipur, 6&7 April 2019

TOPIC : Authentication Issues and Techniques in Cloud Computing Security: A Review

AUTHORS : Aakriti Sharma, Assistant Professor, Dept. of CSE, Pankaj Dadheech, Associate Professor, Dept. of CSE

CONFERENCE : International Conference on Sustainable Computing in Science, Technology & Management (SUSCOM-2019), February 26 to 28, 2019, | Amity University Rajasthan, Jaipur, India,

TITLE : Implementation of Some Programme Outcomes (POs) Prescribed by NBA for B.Tech. Degree Programmes

AUTHOR : Dr. N.K. Banthiya

TITLE : Optimization of Process Parameters Achieving Improved Surface Finish during Machining on Lathe.

AUTHOR : Dheeraj Joshi

TITLE : Computation of Optimal Service Order Quantity in a Partial Backordering Inventory System using PSO

AUTHORS : Achin Srivastav & Nidhi Srivastav

TITLE : Simulation of Non-premixed Flame Of Natural Gas with Different Equivalence Ratio

AUTHORS : Amit Bansal, Chandra Mohan Kumar & Madhukar Kumar

TITLE : A Comprehensive Review of Thermal Energy Storage

AUTHORS : Amit Bansal, Chandra Mohan Kumar & Keshav Jakkotia

TITLE : Productivity Analysis of Solar Steel having Heat Pipe for Different Water Depth Conditions

AUTHOR : Amit Bansal

TITLE : Factors and Challenges in Implementing Industry 4.0 Concept

AUTHORS : Bajirao Dhawal, Gunjan Soni & Om Ji Shukla

TITLE : Exploring Occupational Health Problems among Labors of Unorganized Construction Industry of Jaipur

AUTHORS : Vinay Singh Marwal & Arun Saini

TITLE : A Study on Parametric Analysis of Abrasive Jet Machining

AUTHOR : Ajay Kr Dhanopia

TITLE : FEM approach for Calculation of Stress

Induce Factors for Different Specimens Using ANSYS

AUTHORS : Vikash Gupta, Manu Augustine & Amit Redhewal

TITLE : A Review on Enhancement of Conversion Efficiency of Solar PV panels using Phase Change Material

AUTHORS : Arun Beniwal & Hari Om Sharma

TITLE : Quantitative Regenerative Analysis of an Updraft Tower System for Dry Cooling in Power Plant

AUTHORS : Chandra Mohan Kumar & Madhukar Kumar

TITLE : Synthesis and Characterization of High Entropy Alloy AlMgFeCuCrW

AUTHORS : Madhukar Kumar & Approva Vashistha

TITLE : Quantitative Regenerative Analysis of an Updraft Tower System For Dry Cooling in Power Plant

AUTHORS : Chandra Mohan Kumar & Madhukar Kumar

TITLE : Technical review of NOx Reduction Technologies in Diesel Engines

AUTHOR : Keshav Jakhotia

TITLE : Technical review of Renewable Energy Sources and related Energy Efficiency Technologies

AUTHOR : Keshav Jakhotia

TITLE : The Need for Encapsulation of PCMs for a Thermal Energy Storage System

AUTHORS : Sandeep Kr Bhaskar, Brij Mohan Sharma, Dinesh Kumar Sharma & Ankit Agarwal

TITLE : Mechanical Properties of Hybrid Reinforced Metal Matrix Composite- A Review

AUTHORS : Sanjay Bairwa & Sharad Shrivastava

TITLE : Artificial Intelligence in Mechanical Engineering

AUTHORS : Yuganshu Sharma and Sanjay Bairwa.

TITLE : Effect of Silicon Carbide Powder on MRR during the EDM using RSM

AUTHOR : Sunil Kumar

TITLE : Bioactive Ceramic-polymer Composites for Tissue Replacement

AUTHOR : Yogesh Kumar Sharma

TITLE : Performance Characteristic of a Diesel

RESEARCH PAPERS PRESENTED

TITLE : Good Corporate Governance: Ethos and Importance

AUTHOR : CS Pallavi Biyani

JOURNAL : Chartered Secretary, National Journal for Corporate Professionals., National ICSI May 2017

TOPIC : Hardware Implementation of Multiplier less VLSI Architecture of Lifting Based 1-DDWT using Single Precision Floating Point Arithmetic Algorithm

AUTHORS : Yamini Rathore, Vikas Pathak & Harshit Mathur

CONFERENCE : International Conference on Advances in Science & Technology (ICAST-2018)

DATE : May 4 to 5, 2018

ORGANIZED BY : Physics Department at SKIT, Jaipur

TOPIC : VLSI Implementation of Floating Point FFT Algorithm for Characteristic Frequency

Engine fuelled by Diesel-n-butenol-nitromethane

AUTHORS : ChandanKumar, Naveen Kumar Sain& Ashish Nayyar

TITLE : Computation of Optimal Service Order Quantity in a Mixture Inventory System

AUTHORS : Achin Srivastav, Nidhi Srivastav, Sunil Agrawal & Dheeraj Joshi

TITLE : Ergonomic Evaluation of Work Related Musculoskeletal Disorder and Postural Stress Among Bamboo Handicraft Artisans of Jaipur-Rajasthan

AUTHOR : Vinay Singh Marwal

TITLE : An Insight into the Key Development Areas of Rapid Prototyping

AUTHOR : Ajay Kr Dhanopia

TITLE : Combustion Characteristic of Diethyl Ether Blended Diesel Fuel on Diesel Engine

AUTHORS : Chandan Kumar, Kunj Bihari Rana, Brajesh Tripathi & Priyanka Verma

TITLE : Design and Optimization of Disc-brake Rotor

AUTHORS : Chandan Kumar, Deepansh Mathur, Anshul Maheshwari, Abhishek Sharma & Anirudh Singh

TOPIC : Adaptive Inertia Weighted Firefly Algorithm.

AUTHORS : Shailza Sharma, Pooja Jain, Akash Saxena

CONFERENCE : International Conference on Intelligent Computing Techniques for Smart Energy Systems (ICTSES-2018) Springer Lecture notes in Electrical Engineering.

TOPIC : Opposition Theory enabled Intelligent WhaleOptimisation Algorithm.

AUTHORS : Prateek Jain, Pooja Jain & Akash Saxena

CONFERENCE : International conference on Intelligent computing Techniques for Smart Energy Systems (ICTSES-2018) Springer Lecture notes in Electrical Engineering.

TOPIC : Cost Benefit Analysis in Distribution System of Jaipur City after DG and Capacitor Allocation

AUTHORS : Mr. Ankush Tondon

CONFERENCE : International Conference on Intelligent Computing Techniques for Smart Energy System (ICTSES'18), Manipal University Jaipur on December 22 & 23, 2018



CAMEO an array of clubs

PROJECT EXPO

Department of Electrical Engineering and Institute of Engineers India student chapter jointly organised a Project Expo event to solve real time problem to make their project more useful and more effective.

Objective of the event was to develop student's knowledge for solving technical problems through structure project research study. The project is a very important component for students because it provides the students with an opportunity to design undertake or conduct an independent research or study related to their degree course.

SKIT-ISTE STUDENT CHAPTER

The Indian Society For Technical Education (ISTE) is the leading national professional non-profit making society for the technical education system in our country with the motto of Career Development of Teachers and Personality Development Of Students.

Sr. No.	Date	Name of The Activity	Description
1.	2 July- 6 July 2018	ISTE-AICTE Faculty Induction Program	One week FIP in Nanotechnology: Recent advancements and Challenges
2.	30 July – 18 November 2018 (Every Wednesday 1:30-3:30)	Hands on Lab session on Arduino	15 students participated from II and III Year

FINE-ARTS & CRAFT CLUB

"Art Club is dedicated to the promotion of art at SKIT and the surrounding area.

Sr. No.	Date	Name of The Activity	Description
1.	26-09-2018	Face Painting Competition	Competition
2.	1-03-2019	Rang-Art Gallery	Exhibition



DANCE/MUSIC CLUB

"To encourage students for dance and music performances. This club strives to promote all student participation in the contribution and enjoyment of their musical/dance abilities and to provide an outlet for all students interested in music/dance."

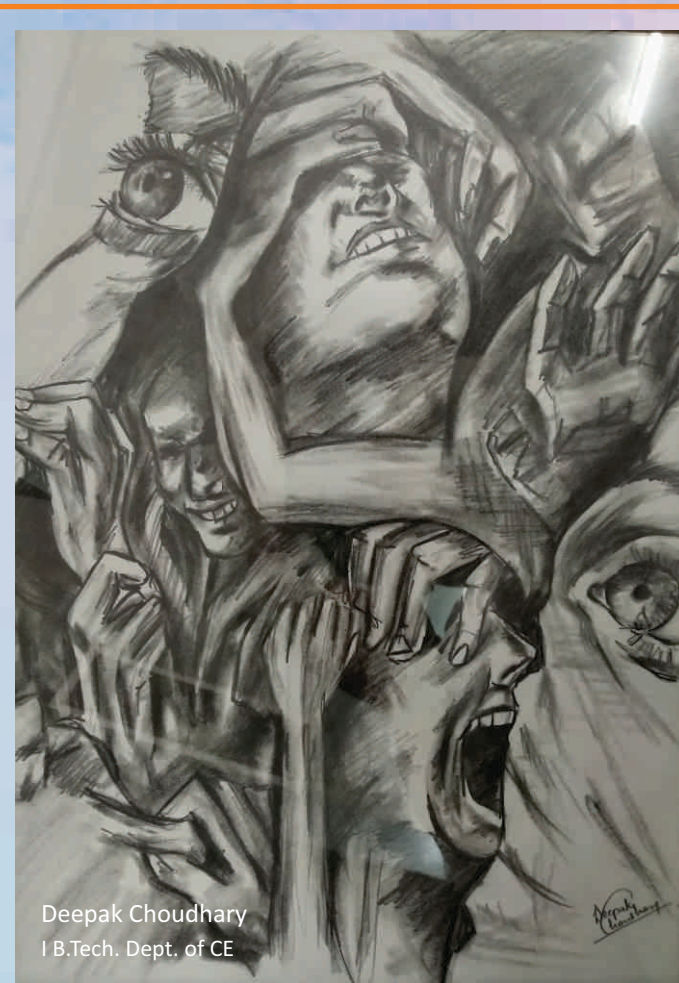
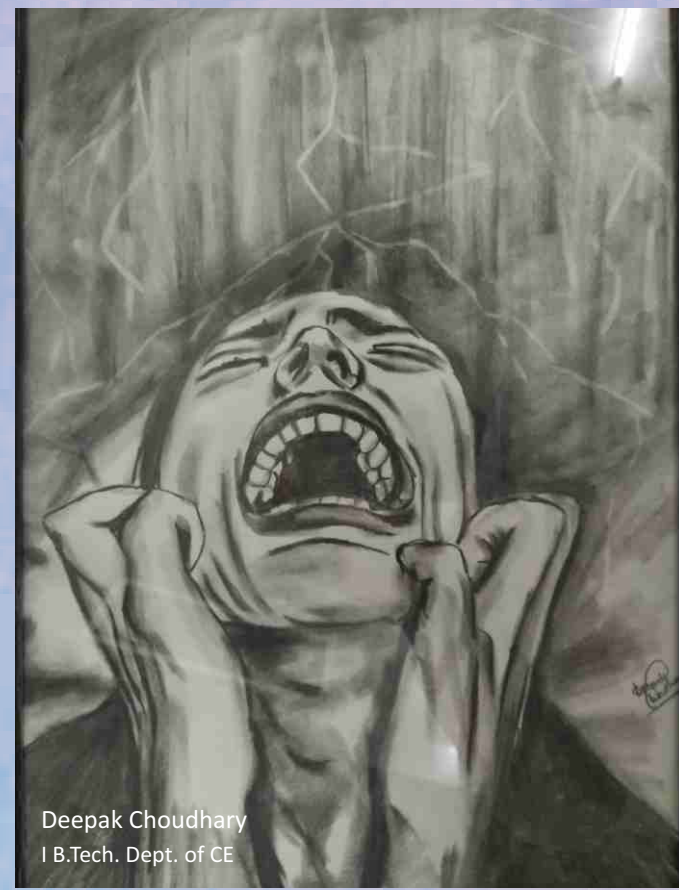
Sr. No.	Date	Name of The Activity	Description
1.	23/1/2019	FOOTLOOSE	There are more than 100 dance forms around the world each with its flavour and mood. SKIT students in FOOTLOOSE addressed each form with purity & differently.
2.	24/10/2018	SKIT IDOL	One of the awaited programs of SKIT was celebrated to the fullest with amazing performances by the students bringing out the best singing talents amongst us.



ACHIEVEMENT FOR ASME E-FEST ASIA PACIFIC 2019

A team of four students from ASME Student Section of Swami Keshvanand Institute of Technology, Management and Gramothan Jagatpura won first prize in reputed IAM3D competition under ASME E-Fest Asia Pacific 2019 held at VIT Vellore. The ASME Innovative Additive Manufacturing 3D (IAM3D) Challenge is a part of ASME's Global E-Fests (Engineering Festivals). It is designed to give mechanical and multi-disciplinary undergraduate students around the world an opportunity to re-engineer existing products or create new designs.

Following team members participated in the competition - Prashant Agarwal, Jayesh Malviya, Lavish Jain and Lakshay Khandelwal all from VI semester mechanical engineering. The team designed, manufactured and tested a hovercraft using 3-D printing for natural disaster situations. 25 teams from IITs, NITs, Hongkong Polytechnic and other reputed institutes from Asia Pacific participated. The whole project was completed under the supervision of Mr. Arun Beniwal, Mr. Manoj Kumar Sain and guidance of Dr. N. K. Banthiya (Advisor, ASME Student Section).

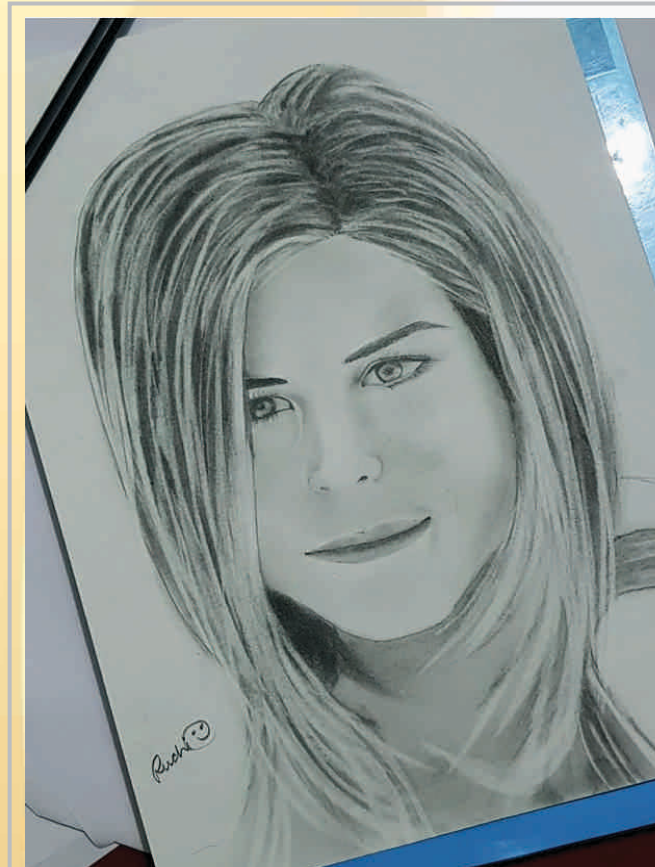


INTRA COLLEGE ACTIVITIES

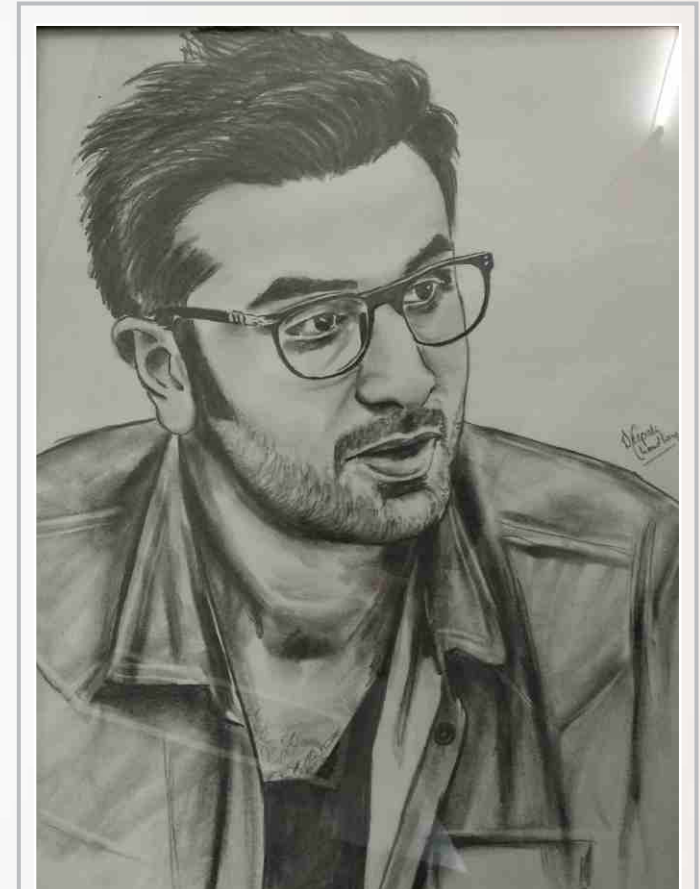
S.NO.	DATE OF ACTIVITY	NAME OF THE ACTIVITY	DESCRIPTION	CLUB	FACULTY COORDINATOR
1	08-08-2018	Club Orientation	Orientation about the club activities functioning in the college	ECA	Dr. Niraja Saraswat Ms. Sanju Choudhary
2	08-08-2018	Performance under Spic Macay	Performance of Padam Shri Ustad Faiyaz Wasifuddin Dagar	Spic Macay	Mr. Kailash Soni
3	15-08-2018	Independence Day	Celebration of Independence Day	ECA	Centralised
4	28-08-2018	Introduction and Registration for club	Introduction and Registration for Renewable Energy club	Renewable Energy	Mr. Nitin Goyal
5	05-09-2018	Abhivadan	Teacher's Day Programme	ECA	Dr. Niraja Saraswat Mr. Kailash Soni
6	12-09-2018	Card-Castle Competition	Making of Card-Castle by Participants	Nirmaan	Mr. Akash Johari
7	08-08-2018	Club Orientation	Seminar on Road Safety Awareness Campaign	ECA	Dr. Niraja Saraswat Ms. Sanju Choudhary
8	12-09-2018	Trials of Sports Games	Introduction and Registration for Various Sports Games	Sports	Mr. Ajeet Sharma
9	17-09-2018	Jaipuria quiz league	Quiz competition in collaboration with Jaipuria Institute	ECA	Mr. Kailash Soni
10	19-09-2018	Chess Competition	Chess competition for select the candidates for RTU tournament	Sports	Mr. Ajeet Sharma
11	19-09-2018	Blood Donation Awareness	Talk Show to aware our students for Blood Donation	NSS & Chhatra Sansad	Dr. Anurag Sharma
12	19-09-2018	Quiz Competition	Quiz competition on Science and Technology	Science and Technology	Dr. Sharda Soni
13	19-09-2018	One Day Four Success Stories	Talk Show on success stories by our Gurests	ECA	Dr. Niraja Saraswat
14	19-09-2018	Extempore Competition	Extempore Competition to express your self	Club of Knowledge	Dr. Pramila Kumawat
15	19-09-2018	Video Lecture	Video lecture on construction of Burj Khalifa	ICI-Student Chapter	Mr. Nishant Sachdeva
16	25-09-2018	Tower-Power Competition	Construct A Tallest and Lightest Tower using straws and cello tape	Nirmaan	Mr. Akash Johari
17	26-09-2018	Talent Show	Singing, Acting, Dancing, Instrumentaletc, etc	Literary	Dr. Shikha Agarwal
18	26-09-2018	Election of Office Bearers Post	Election of Student Chair, Vice-chair, Treasurer, Secretary.	ASME	Mr. Manoj Kumar Sain
19	26-09-2018	Quiz Competition	Quiz competition on Civil Engineering General Knowledge	ICI-Student Chapter	Mr. Nishant Sachdeva
20	26-09-2018	Give An Idea	Series of Competition on Reforms in Education System	Club of Knowledge	Dr. Pramila Kumawat
21	26-09-2018	Extempore Competition	Extempore Competition to express your emotions, thoughts, ideas, etc	Science and Technology	Dr. Sharda Soni
22	26-09-2018	Interactive Session	Regarding placement for second & third year students by final year Students	ECA	Centralised
23	26-09-2018	Face Painting Competition	Painting competition on face	Fine Arts & Crafts	Mr. Shubham Kumawat

24	30-09-2018	Navankur	Freshers' Celebration	ECA	Dr. Sudha Calla
25	30-09-2018	Technorion-2K18	It's a Techfest organizing by IIT Bombay	Robotics and ASME	Mr. Praveen Saraswat Mr. Arun Beniwal
26	03-10-2018	Give An Idea	Series of Competition on Reforms in Education System	Club of Knowledge	Dr. Pramila Kumawat
27	03-10-2018	Slogan Writing Competition	Express our emotions, thoughts, share ideas, etc	Science & Technology	Dr. Sharda Soni
28	17-10-2018	Poster Making Competition	Poster making competition on Renewable energy resources & techniques	Renewable Energy	Mr. Nitin Goyal
29	17 to 20-10-2018	Football Competition	Intra-year football competition	Sports	Mr. Ajeet Sharma
30	24-10-2018	Relay	Various relay (100m, 200m, 400m, 100*4)	Sports	Mr. Ajeet Sharma
31	24-10-2018	Cloth Distribution	Cloth Distribution at slum areas	NSS	Dr. Anurag Sharma
32	24-10-2018	Block Master	Push yourself beyond the natural comfort zone and boundaries	Science & Technology	Dr. Sharda Soni
33	31-10-2018	Astrohunt	Program based on Astronomy	Science & Technology	Dr. Sharda Soni
34	08-12-2018	Talent Hunt by Rajasthan Film Festival	Talent hunt programme for the students	ECA	Mr. Kailash Soni
35	10-01-2019	Cricket Tournament	Intra college cricket tournament	Sports	Mr. Ajeet Sharma
36	16-01-2019	How to Speak English	Improve the english speaking ability	ECA	Dr. Niraja Saraswat
37	23-10-2019	FOOTLOOSE	Dance competition	ECA	Mr. Kailash Soni
38	1 to 03-02-2019	E-Fest Asia Pacific	Comptitions in HPVC, SDC, IAM3D Challenge, OLD GUARD Competition	ASME	Mr. Manoj Kumar Sain
39	06-02-2019	Project Expo	Prepare an innovative real time application-based project	IEI Student chapter	Mr. Vivek Sharma
40	06-02-2019	Poster Making Competition	Poster making competition on Renewable energy resources & techniques	Renewable Energy	Mr. Nitin Goyal
41	13-02-2019	Poster Making Competition	Poster making competition on Renewable energy resources & techniques	Renewable Energy	Mr. Nitin Goyal
42	27 to 05-02-2019	"7 Days NSS Special Camp"	Special camp in the adopted village, Dantli	NSS	Dr. Anurag Sharma
43	06-03-2019	voters awareness programme	Generating discussions & awareness around the electoral process	NSS	Dr. Anurag Sharma
44	08-03-2019	"Neta tum hi ho kal ke"	Yuva ki soch, aaj ki rajniti par.	NSS	Dr. Anurag Sharma Mr. Kailash Soni
45	13-03-2019	"Young India"	Rajniti m shisha ki aniwariyta	NSS	Dr. Anurag Sharma Mr. Kailash Soni
46	13-03-2019	"Enhancing Employability Index of Engineering students"	Personality development and how to achieve academic goals	IEI Club	Mr. Vivek Sharma

47	13-03-2019	Workshop	Workshop on machine learning with python	Science & Technology	Dr. Sharda Soni
48	13-03-2019	Talk Show	Talk show with Sandeep Meghani on Personality development	IEI Student chapter	Mr. Vivek Sharma
49	14-03-2019	"GREEN PARROT" by Dainik Bhaskar	Debate on Enviroment	ECA	Dr. Anurag Sharma Mr. Kailash Soni
50	10-04-2019	Workshop	Workshop on influx of renwwable energy	Renewable Energy	Mr. Nitin Goyal



Ruchi Kumari, EC III Year



Deepak Choudhary, I B.Tech. Dept. of CE



Mohit Yadav, IV B.Tech., Dept. of CE



Robin Sing Chaudhary, IV B.Tech., Dept. of EE

CHEMICAL ADULTERATION OF FRUITS AND VEGETABLES

Fruits and vegetables make our food balanced and complete. They are the potential sources of minerals and vitamins. Fruits and vegetables of all the colours should be consumed to make our diet healthy. People usually want to buy clean, unspotted, red carrots or green chillies, shining apples and visibly sweet melons, but they are less aware of the chemicals which are used to make these fruits and vegetables more colourful, glistening or sweeter.

The lush and leafy green cabbage and the fresh apples may contain colours and chemicals that can lead to serious health problems.

Adulteration of fruits and vegetables is an unethical practice. This malpractice is done... to give extra shine, colour and sweetness to fruits and vegetables. to ripen the fruits fast. to protect fruits and vegetables from rodents. to protect them from spoiling or rotting. to ensure a regular supply of fruits and vegetables even in the off-season or before their due time of arrival in the Mandis.

Bananas, mangoes, apples, papayas, guavas, pears and plums are treated with calcium carbide commonly known as 'masala'. Calcium carbide CaC₂ generates low levels of ethylene gas which can hasten the (outside at least) ripening of fruits.

Check for adulteration: Smell of carbide is well known.

Many green vegetables like spinach, chenopodium (bathua), bitter gourd, ladies finger, pumpkin and cabbage etc. are mostly adulterated with malachite green, a chemical dye which is carcinogenic. The dye is either sprayed over these vegetables to make it look greener and shinier or the leaves are soaked in the solution of malachite green and air dried to get the desired look.

Check for adulteration: A cotton piece is soaked in liquid paraffin and rubbed on the outer green surface of the green vegetable. If adulterated, the cotton turns green. Wet Vegetable also leave green spot on tissue paper.

Brinjals and black plum (jamun) are coated with oil that makes them shine.

Check for adulteration: This can be tested with tissue paper.

Apples are coated with a thin layer of wax. It makes them look shiny and clogs the skin pores of apples, due to this coating loss of moisture is prevented and apples appear fresh even after fifteen-

twenty days.

Check for adulteration: Just scratch the apples with the back side of a knife.

Carrots are dipped in red-water and watermelons are injected with red colour and sugar syrup or saccharin to make them red and sweet from inside.

Check for adulteration: Shows colour while washing them. It leaves a mark on the tissue paper also.

The artificial colours used are Sudan red, metanil yellow and lead chromate. These are carcinogenic for humans if consumed for a long period of time.

Bottle gourd is often injected with oxytocin chemical for faster growth that can cause abnormal growth and other complications in human beings. Thus the fruits and vegetables become toxic and tasteless. If the fruit is uniformly well coloured, or if black patches appear on the skin in two or three days, there is a chance that some chemical ripening process has been employed. Ingestion of these adulterant chemicals can cause many health related ailments.

- Calcium Carbide, which is used to ripen fruits, is harmful for liver and kidney. CaC₂ imitates acetylene gas; it may affect the neurological system by inducing prolonged hypoxia. Recent findings related to carbide poisoning have reported headache, dizziness, mood disturbances, sleepiness, mental confusion, memory loss, cerebral edema and seizure. [Physico-chemical properties and toxic effect of fruit-ripening agent calcium carbide, Mohammad Asif, January 2012, Annals of Tropical Medicine and Public Health 5(3):150, DOI 10.4103/1755-6783.98602

- Metanil yellow can cause stomach ailments.

- Lead chromate causes anemia, brain damage and blindness. Lead chromate is a yellow or orange-yellow powder. It is used as a pigment for paints and inks in oil and water colors, printing fabrics, decorating porcelain, in chemical analysis of organic substances, and in traffic paints. Lead chromate is toxic by ingestion and inhalation. It may be carcinogenic through centrosome dysfunction. [https://toxnet.nlm.nih.gov/cgi-bin/sis/search/a?dbs+hsdb:@term+@DOCNO+16]

- Sudan red is also harmful for stomach and digestion. Azo and diazo compounds include Sudan dyes, that are widely used in the industries. Although they are not permitted in food, they are found contaminating different food products. These azo dyes were metabolized to possible carcinogenic colorless amines in the liver of

mammals. [Sudan dyes: are they dangerous for human health, Fonovich TM, 2013 Jul; 36(3):343-52. doi: 10.3109/01480545.2012.710626. E pub 2012 Sep 5. US National Library of Medicine National Institutes of Health]

- Malachite green has been reported to cause carcinogenesis, mutagenesis, chromosomal fractures and respiratory toxicity. [Toxicological effects of malachite green, Srivastava S1, Sinha R, Roy D, Aquat Toxicol. 2004 Feb 25; 66(3):319-29. US National Library of Medicine National Institutes of Health]

It is advisable to carefully check the fruits and vegetables and purchase only seasonal fruits and vegetables. Wash them thoroughly before consumption by using a blend of vinegar and water that will help in killing the bacteria also. Keep them under running water for 1-2 min so that the chemicals are washed away. Otherwise do 3-4 washings. Do not refrigerate before washing and drying. Always cut the fruit into pieces, rather than consuming as a whole. Peel off the spotted skin of the fruits properly. Put the apples in hot water (not boiling) for 1 min, wash it, and wipe it with clean cloth or tissue paper. Fruits that have a uniform colour are more likely to have been artificially ripened. Do not buy fruits when these arrive in Mandis before the due season. What looks attractive outside may not be good for health.

Prof. Archana Saxena
Head Chemistry Department

DEVELOPMENT OF INNOVATION CENTRE IN VILLAGES FOR EMPOWERMENT OF VILLAGERS THROUGH EMERGING TECHNOLOGIES.

OBJECTIVE

To develop an eco-system for integrated education, research, innovation, technology and capacity building in the villages for empowerment of villagers by the villagers themselves through various emergent technologies.

PROBLEM INTRODUCTION

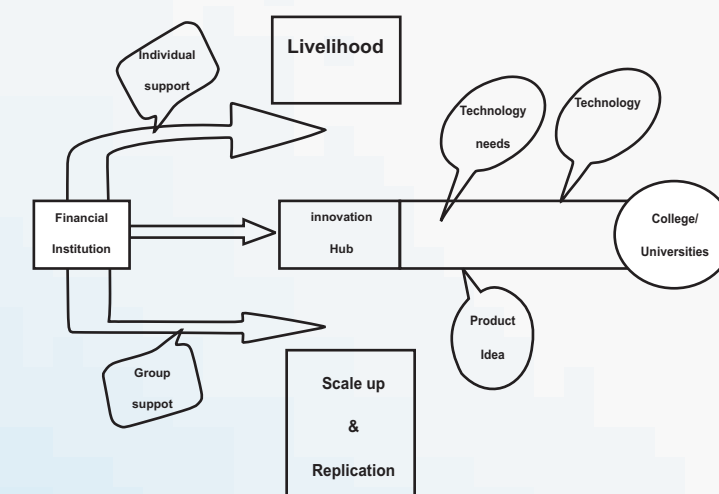
Village developing models have proved successful in boosting productivity and providing food to feed the world. However, the problems of education, poverty, food insecurity, skill development, unemployment and urbanization persist. Producers in agricultural communities, both men and women, are confronted by production challenges associated with a changing population, new technologies and accelerated global economic integration. So, there is a need of rapid development of rural population in a sustainable

manner. In rural areas many times resources are available, but they are not utilized effectively due to lack of knowledge and proper technical support. This is due to lack of understanding of government policies, infrastructure, corruption, superstitions and migration. This creates the biggest challenge of empowering villages through technologies.

INNOVATION SOLUTION

The concept is to incorporate the best of a city in a village. There is an urgent need to generate skills and wealth within the villages for up grading them. For this, there is a need to open such innovation centres /institutes in the villages, which may become the centre of innovation in rural areas to solve the problems of the region with the help of only local people. It will help-

- To develop training facilities for rural and agricultural technologies and apply various research programs for making advancement in rural technologies.
- To give high speed connectivity with the global market (digitally connected villages).
- To get developed a science and technology culture by villagers only for solving their routine problems.
- To develop innovative working atmosphere in the rural areas.
- To work as a problem solver or as a solution provider.



The Delivery Model

- Formulation of working modalities:
 - Establishment of common monitoring and coordination committee and funding agency.
 - Allotment of infrastructure (civil, mechanical and electrical engineers network)
 - Selection and appointment of proper man power among local people.
- Development of facilities at centers
 - Transfer of technologies to villages
 - Formulating the plan for establishment of facilities in terms of vendors and purchase producers.
 - Establishing facilities.
- Training the trainers by specialists
 - Involving trainers
 - Hands on training
 - Interacting with end users.
- Awareness camps

- Organizing awareness camps at various locations.
- Registering interested groups/individuals.
- Training to NGOs/Gram-panchayat groups.
 - By constant support and guidance for sustaining the activity.
 - Organizing training workshop along with field demonstration.
- Course material development.
 - Course material development and including ongoing modifications through the above mentioned training experience.
 - Translation of course material and technology documents in regional language.
 - Transfer of material to other centers and end users.
- Involvement of UG, PG and PhD students for further development of technologies/products.
- Identification of problems for efficiency improvement/cost reduction.
- Selection of appropriate manpower for the activities.
- Creation of B.Tech/M.Tech projects.
- Improvement of existing materials/technologies/products based on adaptations and alterations by UG and PG students.

CONCLUSION

The concept of knowledge based development drive is demonstrated for rural development with the help of existing academicians and institutions located in rural regions. It is clear that linking education and neighborhood development together creates an ecosystem that is conducive to both, improving quality of education as well as fostering development. Such institutions should have initial collaboration with the rural community. The center/hub should conduct regular survey to identify the local needs and the solutions required.

Ajay Kumar Dhanopia
Assistant Prof. Dept. of M.E

NUCLEAR: UNCLEAR

After the accident at Fukushima Daiichi Nuclear Power Plant, Japan, in March 2011, the future of nuclear power is kept under continuous surveillance. Some nations have already decided to phase out nuclear power and many other nations are reassessing their nuclear ambitions. But to meet the increasing energy demand, a source of energy having high capacity factor and low carbon emissions is required. Though setups running on renewable energy sources have negligible carbon emissions, they suffer from lesser capacity factor. On the other hand, setups running on fossil fuels have higher capacity factor but they lead to higher carbon emissions that further contributes in global warming. Nuclear energy remains a tantalizing reliable source of power for an increasingly energy-hungry world.

Radiation exposure and its adverse effects are making the future of nuclear unclear. Lessons learnt from man-made-mistakes should not be forgotten; and the technology should be enhanced further to counter unseen challenges. As advised by Dr. A. P. J. Abdul Kalam: "The world has today 546 nuclear plants generating electricity. Their

experience is being continuously researched, and feedback should be provided to all. Nuclear scientists have to interact with the people of the nation and academic institutions and constantly keep updating nuclear power generation technology and safety."

Mr. Brij Mohan Sharma
Assistant Prof., Dept. of M.E.

ADVERSE EFFECTS OF DIGITAL DEPENDENCY ON HUMAN HEALTH

Display technology has become more and more visually pleasing, so all the companies are in an ongoing race with each other to give the best visual experience to its users. Display screens use materials like liquid crystal displays & LEDs. These materials have the property of emitting light at a shorter wavelength along with a brighter screen but the issue is that they emit high energy visible blue light which directly affects the back of the retina. Health is one of the global suppliers of Eye Safe with driven technology for health protection. Justin Barrett (CEO at Health) explained, "As devices have become more fascinating to eyes, this causes some health issues due to the exposure towards display". According to an eye surgeon's report, many patients commented that they had issues like tiredness and dryness of eyes which are the symptoms of Computer Vision Syndrome (CVS). So, it is very important that we need to pay attention to the influence of HEV blue light. This HEV blue light is more harmful especially for children because of takeout 400-360 band of the light spectrum (HEV blue light); our eyes develop a natural filter as we grow older. For adults 25% of this light reaches the retina and for children it is 60%.

Zagg, Health and Eyesafe jointly developed a new technology to cut out HEV blue light by using surgical-esque technique. This solution acts as sledgehammer to color spectrums, which not only filters the HEV blue light but all the spectrums of light. By using this technology the screen appears colorless. From the sun we get blue light and up to some extent it is good for our health. It is regulating sleep/wake cycle of our body that's why when we stare at the screen during night time it produces negative effect on our body. Developed technology only removes the harmful part of HEV blue light. To fulfill this aim, a filter named 'Vision Guard' uses a dye technology which only affects a narrow band of spectrum. This is embedded into a screen filter or consolidated into the display. All this happens without sacrificing the quality of display. As technology is rapidly developing, we don't know what display challenges will come in future, but for now the problem has been completely eliminated. In future, maintaining the display capabilities along with the concern of human health will be the important design consideration for display.

Namrata Joshi
Assistant Prof., Dept. of ECE

PAPER BATTERY

What are paper batteries?

A paper battery is an ultra-thin, eco-friendly and flexible energy storage device which can act both as a capacitor and as a battery. It is a light weight device made up of carbon nano tubes and cellulose based paper. It consists of infusion of carbon nanotubes with paper consisting of an ionic liquid as an electrolyte. It is also known as Nano Composite Paper as it is constructed from carbon nano tubes and paper.

Paper Battery Construction:

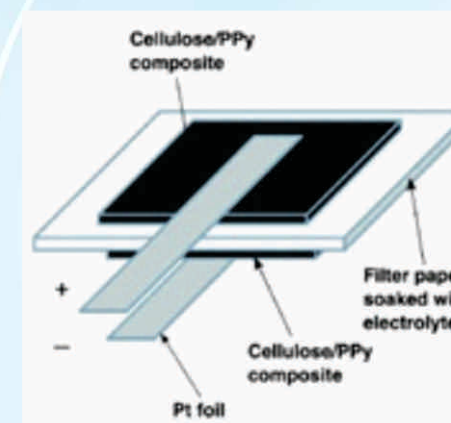
The first and foremost method of constructing paper batteries was proposed and initiated by Robert Linhardt, a chemist at Rensselaer Polytechnic Institute in Troy, New York which was further improved by Yi Cui, a materials scientist at Stanford University, Palo Alto (California).

There are three ways to create paper batteries:

1. The first method involves fabricating zinc and manganese dioxide based cathode and anode. The batteries are printed on paper using standard silkscreen printing press. This paper is infused with aligned carbon nanotubes which are used as electrode. This paper is dipped in a solution of ionic liquid which acts as the electrolyte.

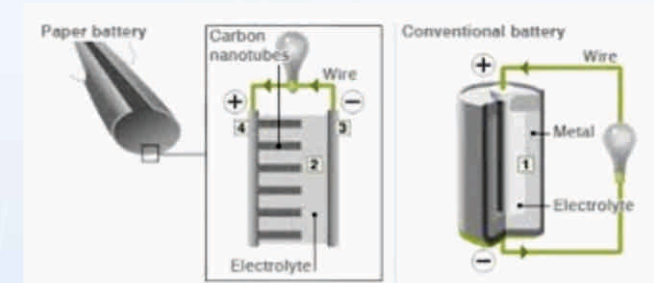
2. The second method is a bit complex and involves growing nanotubes on a silicon substrate. The gaps in the matrix are then filled with cellulose and once the matrix is dried, the combination of cellulose and nanotubes is peeled off. Thus, sheets of paper consisting of layers of carbon nanotubes are created. Two such sheets are combined together to form a super capacitor with an ionic liquid like human blood, sweat or urine being used as an electrolyte.

3. The third is a simple method and can be constructed in a laboratory. It involves spreading a specially formulated ink of carbon nanotubes over a rectangular sheet of paper, coated with an ionic solution. A thin film of lithium is then laminated on the other side of the paper. Aluminium rods are then connected to carry current between the two electrodes.



Paper Batteries working Process:

Internal operation of paper batteries is similar to that of conventional batteries with each battery generating about 1.5V. In traditional batteries, positive charged particles called ions and negative charged particles called electrons move between positive



electrode called anode and negative electrode called cathode. Current flows as electrons flow from anode to cathode through the conductor, since the electrolyte is an insulator and doesn't provide a free path for electrons to travel. Similarly, in paper batteries, carbon nanotubes act as cathode, the metal is the anode and paper is the separator. Chemical reaction between metal and electrolyte results in production of ions whereas chemical reaction between carbon and electrolyte results in production of electrons. These electrons flow from cathode to anode through the external circuit.

Advantages of paper battery:

- Biodegradable & Non toxic
- Reusable & Recyclable
- Durable
- Rechargeable
- No Leakage and Overheating
- Light Weight & Flexible
- Offers high energy efficiency.
- Can be used in harsh climate conditions like heat and cold.

Limitations of paper battery:

- Since cellulose has low shear strength, these batteries have low strength and can be torn easily.
- Construction of carbon nanotubes is expensive.
- If we inhale the paper battery, it starts interacting with the Microphages present in the lungs. This is very similar to the reaction of Asbestos fibre. Hence, it is very hazardous for human health.

Applications of paper battery:

- In low battery power devices like in calculators, wrist watch and other low drain devices
- In laptop batteries, mobile phones, handheld digital cameras
- In wireless communication devices like mouse, keyboard, Bluetooth, headphones, etc.
- In entertainment devices.
- In tags and smart cards.
- For medical applications like disposable medical diagnostic devices and also can be used in pacemakers due nontoxic and biodegradable nature of paper batteries.
- Ideal for aircraft, automobiles, remote controllers etc.

References:

- <https://www.mepits.com/project/193/Techno-innovations/Paper-Battery>
- <http://durofy.com/paper-batteries-working-construction/>
- <http://www.electronicshub.org/paper-battery-construction-working/>

Dr. Sangeeta Gupta
Assistant Prof., Dept. of Maths



FROM THE ADVISOR'S PEN...

Nothing Technical about It....

The life of an engineering student is filled with tech- talk 24x7... with things like 'What's the latest research?', 'What project are you working on?'... drawings, labs, lectures, practical sessions, theorems.... and the list goes on and on. But it's not just the value of tan30 or COs (whatever), or your algorithm or your logical ability (in isolation) that will decide the trajectory of your career, because as we all know, there are a lot of aerodynamic forces out there!! Technical knowledge may get you to the space but to truly take- off, it takes a lot more of non-technical stuff!

Empathy

Well, this little word has been getting much attention of late. So much so that Stanford has been doing research on it and they have declared it to be an indispensable trait at the workplace. In simple terms, empathy means being able to put yourself in others' shoes. So what empathy really does is it makes people feel valued, heard and ignites creativity and innovation. A valued employee will outperform one with a low morale in every field. So it's a win-win situation for both an employer as well as an employee.

How to get more empathetic— Listen carefully, pay attention to how and what people express --verbally as well as non-verbally.

Adaptability

Today the times are more unpredictable and mercurial than ever before. Losing market and becoming irrelevant are two main concerns of any business. Flexible job description and employee rotation are becoming common at work places. Disruptive technologies like e-commerce, ride sharing, Bit coin, online banking etc. have changed our worlds forever. So, those who have the resilience and foresight to tackle these unanticipated situations will sail through. The same rules apply in personal capacity too.

How to get more adaptive - First be willing to accept change; redefine your motivation to adapt and set small goals to begin with.

Mindfulness

In the incessant cacophony that we are constantly surrounded with, just sitting back and observing in silence can be therapeutic. Being mindful means being aware of what one is doing, thinking and feeling. If your mind wavers (as it will), bring it back to the present. Being mindful anchors us in the present and improves our concentration. So practising mindfulness makes one more efficient, more creative and healthier- a formidable combination.

How to be mindful- Everyday in the morning just sit still, observe your breath and your thoughts. Start with 5 minutes and move on to 20 minutes.

Abba Meel
Advisor, SKIT

NURTURING HUMAN RELATIONSHIPS: NECTAR FOR LIFE

Love is an inoculation against life's insecurities. It is an infallible measure that leads to happiness, which is the goal of human life.

Confidence Springs from Love's Protective Net

Ever since a child is born and develops a sense of connection with the living world, he evolves a protective net in the arms of the parents and uses the first love to kill the sense of insecurity. It instills confidence in him to face uncertainties and adversities of life.

Extension of Relationships Orbit

As years pass by and life settles down, this protective net, powered by love, strengthens and becomes the fulcrum of life till the time there is further extension in number in the form of siblings, friends, relatives etc. Thereafter, a stage comes when those few persons in life assume the role of the morning dew – refreshing, invigorating & promising brightness and cheerfulness in life.

They become the focal point around which life continues to revolve and their very thought nourishes the soul. One feels so good being a part of the universe and a new phase of the journey begins. If one does well in education and then on job front, then life becomes a celebration in the company of those loved ones. With no somatic disorders, everything looks perfect. To experience ecstasy continually, it is important to keep making minor mental adjustments and enjoy life.

Preserve the Beauty of Relationships

There are some who advocate forgetting the past and moving on in life to experience success at its pinnacle. It is debatable and calls for an extensive brain storming. When the past leaves indelible marks of some beautiful memories on the mind, body and soul, then one must vehemently protest the application of any eraser on them. As we attain teenage, there is a creation of selfless love for few more people because of newly evolved proximities that are not in blood relation. At different stages of life this self less love keeps hopping from one person to another. Choosing to forget those who were life's priority at one point of time, is disrespectful to the good times shared with them. As life moves forward, one must try to

consolidate relationships and not to spoil them on account of temperamental or inconsequential issues.

Be High on Emotional and Understanding Quotient

The beauty of every relationship is to be seen and appreciated from the fact that a lot of investment is being done in such relationships in terms of human emotions, time and efforts to make it fragrant. It is a fact that nobody plunges into relationships with an intent to experience an early end to it. However, at times, the emergence of incompatible issues leave a bitter taste for the rest of one's life. It acts as an antidote to delectable relationships that are required to be nurtured in order to provide vitality at every stage of life. Hence, empathy and understanding and accepting the other as he/ she is go a long way in maintaining relationships.

Insulate against Tough Times for Good Relations

The equations usually get disturbed when life hits the nadir and emotions of people. The manifestation of adversities may be in the form of poor health, unemployment and failed relationships. That's the time when one has to rediscover oneself and manifest a fresh outlook for life that is promising and immersed with hope and optimism. Don't develop any ill will towards people in the surroundings and do well to them with all your heart.

This can bail out humans speedily from any tight and undesirable situation to be in high spirits again. In the rarest of rare situations, if a relationship is to be buried, accept that you were not important to someone and just move on with pure, sacred and healthy mindset to rediscover happiness in new connections.

Prof. S. N Mathur
Dept. of Management Studies

THE WAY IT SHOULD BE...

During the educational phase of life, we come in contact with many people. Some of them become our friends and to some we remain aloof. Some become our family with whom we share our feelings, problems and grievances that we come across in day to day life. But as the time flies, adolescence stage passes and maturity takes away us our roots in the "FAMILY". It is very important to share our problems and sorrows with parents as well.

While dealing with practical problems sometimes, we get trapped in big problematic situations through which we can't come out. This leads to depression. Things need to be changed. Parents are the ones who never want to see children facing any problem. In addition to friends, one must share their problems with parents too without thinking that they may become unhappy. They have practical experience of life and will definitely provide the right solution to our problem.

Priyanka Sharma,
Assistant Professor, Dept. of ECE

FREEDOM

There is a notion amongst most people that freedom means freedom to 'do' whatever one wants to do. This is only a partial truth. Freedom, in fact, comes with responsibility. To be free is to assume responsibility for your own life and to understand that you must also accept the consequences of your actions. To many people this does not sound like freedom because they want nothing but personal anarchy—no rules, no discipline no empathy for others.

So for such people, freedom:

1. When you are free from control by others- economically and politically
2. When you are free to control others- economically and politically
3. To what extent you are allowed to protect your own interest and to what extent you are allowed to hurt and violate other's interests needs objective introspection.

Zehra Khan
Dept. of IT

ROAD

Hey, you. ! Yes, you! How you doing'? No, no... Not there... I am... right here at your feet... Look. Yes, here. By the way, I am the Road.

I extend my sincere apologies if I got you scared. But, I wanted to talk to someone...

Actually, this roasting hot summer afternoon and these empty silences are very tiring if there is no one to talk to. Even these crop fields show no interest in talking to me. Nor do these mighty mango trees. Duh! A huge bundle of boredom blankets me. In the mornings, people rush over me so that they do not miss their work. They run to catch their first locals or buses. Moreover, they skip through my traffic light hands and I... I..., crashed and wounded, look at my scars after they're gone. Neither the evenings bring me any solace for me. I become exhausted, stretching my hands out to welcome them, hug them. They return from work, dog tired, completely ignoring me like I never existed. Wasn't I doing my work the whole day? I relentlessly wait for the army trucks. I keep waiting for my sons to return from borders, because when they come, I listen to the saga of their bravery, and they listen to my laments. Well, this is sort of a win-win deal. They love me like their mother and treat me like a younger sister.

Oh! The signal has turned green... You will also have to leave now! Anyway, it was nice talking to you in such a short span of time. Thank you for listening to me. I think I am not such a boring path after all...

Duh! Gone already!!

Shobhit Saxena
Dept. of ME (Section F)

BOOK REVIEW

Title of the book:

SUMMERHILL

Author: A.S. Neill

(Publisher of first edition- Herald Heart, England)

Translated in Hindi by Purva Yagik Kushvaha (Publisher- Eklavya, Bhopal, M.P., India)

Summerhill is the story of a school "Summerhill", founded by A. S. Neill, the writer himself, in 1921 in Germany. In 1923, the school moved to its present site in Leiston, Suffolk, England. After Neill died in 1973, it was run by his wife until 1985. Today it is run by Neill's daughter, Zoë Readhead as a boarding and day school serving primary and secondary education.

Neill intends to demonstrate how to raise children to avoid unhappiness and for this he lays down his own educational principles and philosophy. He firmly believes that the root cause of all evil things in this world is this unhappiness. He emphasizes that every child needs different psychological lessons to cope up with their problems he believes that the lessons being full of love and empathy should be able to bring up the goodness of the child.

The book enunciates the programs of the school, how the pupils live and are affected by the program The book is split into seven chapters that introduce the school and discuss parenting, morality and children's problems.

The school was started with the belief that it should run according to the principle of giving full freedom to its pupils to choose their lessons. The school should be made to fit the child, rather than the other way round. The running of the school is conducted in the school meetings through democratic governance. Any staff, pupil or any guest, may attend these meetings, and everyone has an equal vote. He writes that Summerhill is one of the few schools that provide education without fear, where the head is held high and by the end of their schooling its pupils are worthy of carrying the goals of humanity, love, integrity, and courage.

The system that Summerhill employs is not only about education - it is also a different way of parenting which eliminates most of the frictions and many of the problems experienced by modern families. At one place in his book Neill writes that a father in the habit of smoking a cigar has no right to stop his child from smoking. The school is more of a family than a school, full of laughter and happiness. The book advises parents and teachers to have trust in the natural instincts of their children and let them self-regulate so that they live by their own rules and thereafter treat the rights of others with the highest respect.

Children can do as they please as long as their actions do not harm others. Too much of molding is not required according to the author. Though sometimes, Summerhill carries an image that it is more of a 'go as you please' school. At the same time it is presented as a successful school having reformed, "problem children" into "successful human beings". Neill writes that pupils, after staying in Summerhill, come out as happy people without guilt and fear. They become confident professionals who can very easily face the challenges of the world. According to Neill many of the society's problems are because of the 'miseducation' in conventional schools. These schools prevent real freedom, creativity and innate goodness of a child. They just engross the child with bookwork keeping them away from their basic right of playing.

Summerhill is a book which is provocative and interesting. At the same time it displays a lot of experiments in psychoanalysis for reforming child education. It can prove to be a democratic educational model in the modern world.

Sangeeta Vyas (Prof. Physics)

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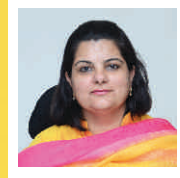
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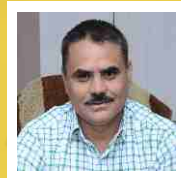
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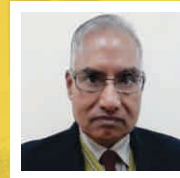
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PHARMACY



Dream and Me

(Darkness is appearing in front of the eyes)

Dream: What's going on? Am I gonna die.
 Me: Yaa, you have to die.
 Dream: Why?
 Me: I don't know.
 Dream: I am you, then why are you killing yourself?
 Me: I don't know... But I have to.
 Dream: Ask your soul, do you really want this?
 Me: I don't have to ask anyone and I am going to finish you that's it.
 Darkness is going to be denser
 Dream: Will you be able to live without me?
 Me: (after sometime) Yes, why not?
 Dream: Then, why are your eyes wet?
 Dream: Don't lie.
 Me (screaming): I am not lying, why don't you leave me?
 Dream: I am not holding you. You are doing everything. It is you who is thinking of me, and you are saying that I am holding you.
 Dream: Do you really think that's true? Ask yourself. A silence took place
 Dream: Have you really heard something?
 Me: Yes, the voice of my soul that has told me that you are the most wonderful thing happened to me, but I have to kill you.
 Dream: Alright, if you have decided to end me then answer one final question.
 Why and how are you going to kill me? What will happen after this?
 Me (Silent...)
 Dream (Screaming): TELL ME.
 Me: Because.....my happiness doesn't matter. It's a life given to me by the others. So, I have to live for them... not for myself only.
 Dream (shouting): Will you be alive from inside?
 Me: That doesn't matter!
 Whether I live or die. I told you before that it is the life given by others.
 Dream: Yes, it's the life given ... but it is you who has to live! Not

the others.
 You are you.
 A beam of light penetrating the darkness.
 Me (crying): I am sorry.
 What should I do now? I am not able to fulfil you and I don't have any skill.
 Dream: You have me. That's enough.
 Me: How is that enough?
 Dream: Just start thinking of me and you can do it!
 The only thing that you have to do is to believe in your (dream) and start all over again...
 If you fail then start again. It's never too late, only you have to stand.
 Never let your dream die.
 Now the darkness disappears.

Raj Shreyash 4 B.Tech. EC

Inside the Room

Burning like hell fire seeking for cold love
 Loved by the fake smiles Touched by sympathetic words
 Inside the room, my soul is crying.
 Hurt by kindness Betrayed by trust
 Loved by lies, Inside the room, my heart stops beating.
 Played with emotions, Laughed without reason
 Haunted by dreams, Inside the room, I lost my sleep.
 Felt the pain, Sheltered by sorrow
 Lost the sight, Inside the room, I lost my hope.
 Caged by the walls, Cursed to be alone
 Forgot how to love, Inside the room, I lost myself.
 Tired of breaking walls, Tired of being hurt
 Possessed by the evil, Inside the room, I became a devil.

RAJ SHREYASH
 4 B.tech., Dept. of ECB-G2

In my prayers

Months have passed since I saw you,
 But you are whatever the moon has always meant,
 And whatever birds have always sung,
 I worshipped you regularly in the temple of my heart.
 Your unfastened hair as shower,
 Woke me daily from the dreams, your touch on my cheeks, made my day
 Though you are not with me, you are always in my prayers.

Sourav Sahndilya
 1 B.tech., Dept. of CS

SHE

There sat she, with all her worries,
added on me, told all her bullies...
with all her love...from heaven above...
with all her dreams...dreams to scream!!
with all her faith..!
faith made her great...with all her breath,
with all her desires, with all her lies,
at those she dies...with all her will..,
she began to write!!

Write a tale, write about her beauty frail..
write, to let it out..write, to shout out loud!!
Write, because that's all she can do...
write, because she is weak for few...
and then... She wrote another word...

she wrote for her every worth... There wrote the 'calm queen'...
wrote about her hidden dream..wrote because, she had a 'dream'.

Being stuck between the walls of four...
She shouted from her core, shout was for loud love..
shout not for being a dove...shout, to get a voice..
shout, to rule her choice. Then heard by the king of cowards
who can't keep his own words...there her yell,
became a silent scream...vanished away...all her dreams...
This was the story of women of love..,
who now forced to be the dove..to be kind.. don't have any choice
who now, ruled by voices...Again she wrote, some words, so few,
now all she can do, was a "mew"...
And there goes the daddy's love..
who was then forced to be a dove..
there extinct all her needs.. Then a woman,
called as 'lady who feeds' his ways ended,
her ways to live..her story, wasn't hard to believe..
Now, her dreams have no more 'CRAVE'she is ruled by..
'THE MAN OF SLAVES'

JAHNAVI SACHDEVA
2 B.Tech., Dept. of CS

WE PLOUGH OUR DESPAIR

Walking down the trail
separating chaos from harmony,
I'd looked either sides.
Crops of grief and dejection were waving high,
but it seemed like the plantations of peace had just
been harvested.
I was on my way, all baffled at
what they'd done to themselves.
Why did they keep ploughing their own despair ?
And would these ploughs ever
be bringing any good to them ?
I halted my iteration,

as I'd noticed a school of folks,
sitting under the tree of expectations,
rolling frustration and smoking filth.
Those pale faces read out more stories than
the books ever could.
I'd learnt the peace was burnt in the rain of
envy, hatred, and disdain. So they'd planted tears
and sadness and pain.
The sun had lowered his back. He had turned.
I walked out, wondering how far we'd come farming,
knowingly that no profit would ever be earned

Shobhit Saxena
1 B.Tech., Dept. of ME

MY SOUL

As the flower blooms, as the rain drops,
as the light glows in gloom, my soul seeks for peace.
Killed my dreams, changed my path, made me cry,
the monster inside.
Hated the most, never want to become,
but destined to become the fake one.
Frightened by darkness, seeks for light,
being in the gloom my heart became tired.
My soul is still glowing, under the foot of the darkness.
As the dim light in the dark room,
shines like a star in the sky. Like a caged bird,
wish to fly in the sky,
but my wings being cut down by those cruel lives.
As twisted as the human life,
no one can understand me, even in the darkest time,
wished to rise like a morning light.
Like a mirage, I let everyone in the dilemma,
I can't be suppressed or caged, I am free beyond freedom.

Shreyash Raj
II B.Tech, Dept. of ECE



Samardeep, I B.Tech., Dept. of ME



चार भाग

मानव जीवन मेला है जिसमें, उसके भाग चार,
ब्रह्मचर्य, गृहस्थ, वानप्रस्थ और सन्यास हैं इसके नाम ।।
पहले जाँचो खुद को, पीछे हो सारा काम,
क्यों आये हो, क्या करना है ? पूछो ये सवाल ।
पहचानो, क्या है अपनी शक्ति ? क्या है अपने वश मे ?
यही है ज्ञानार्जन के मुख्य व्यापार ।
पहला चरण है जिसमें होंगे पूरे तैयार.
हर परिस्थिति से, सहज ही होंगे पार ।
अब आया समय, ज्ञान के उपयोग का
अनुभव कर लो अपने सिद्धान्तों के प्रयोग का ।
मानव देह का धर्म है सेवा, अवसर भी है स्वास,
कर्म करलो सारे अपने हैं जो तुम्हारे पास ।
सही समय है, चमको और चमकाओ सबको,
बैठो मत ! दूजा नहीं मिलेगा मौका तुमको ।
चरण अगला बड़ा विचित्र है, जानें इसका हाल,
कर्म सभी हैं करने तुमको, पर हो कर दर किनार ।
ताज पहनाना है अगली पीढ़ी को देना है सब दान,
भला छिपा है इसमें अपना, दिखता है परोपकार ।
सीखें इसमें, कैसे दलदल में भी कमल रहता, इक पार,
यही काम आयेगा आगे, इसी से होगा बड़ा पार ।
छोड़ चुके हो पहले ही सब, अब सब है आसान,
नहीं जरूरत मन को किसीकी, मुक्ति यही तू जान ।
संयासी होना बड़ा सहज है, यदि पहले हो अभ्यास,
सफर बड़ा सरल है, यदि बोझा ना हो अपने पास ।
जग में रहकर जग से दूरी, ऐसी विशेषता रखना अंतिम पड़ाव,
देखा ! पूरे जीवन भर ही तो था, सुख, आनंद और मुक्ति का भाव ।

डॉ प्रमिला कुमावत, एसोसिएट प्रोफेसर, गणित विभाग

पापा

नींद भुलाकर सुलाया हमको, खुद भूखे रह कर खिलाया हमको
अपने हाथों में उठाकर सुलाया हमको,
जिन्दगी की हर खुशी से मिलाया हमको
चोट लग जाने पर उठाया हमको,
दुनिया के मुश्किल दौर में चलना सिखाया हमको
अरे, वो पापा ही हैं जो हमें चोट लगने पर खुद हैं रोते
अरे, वो पापा ही हैं जो हमारी चिन्ता में रातभर नहीं हैं सोते
इसलिए पापा मेरी जान हैं, पापा मेरा गुरु और पापा ही अभीमान हैं,
मुख हैं वो लोग जो खुदा को ढूँढते हैं मंदिर मस्जिद में
अरे मेरे पास तो चलते फिरते भगवान हैं ।

हितेश भोजवानी, चतुर्थ वर्ष, विद्युत व संचार अभियांत्रिकी

क्या कुछ कह पाऊंगी ?

क्या कुछ कह पाऊंगी ?
गागर में सागर कैसे भर पाऊंगी ।
कौनसा शेर करूँ आपको मैं अर्पण, कैसे कविता मैं बनूँ आपका दर्पण,
मन आपका है जैसे कोई साफ-सुथरा वर्षण,
आपने सदा रखा मुझ पर प्यार भरा हाथ और अपनाया समर्पण ।
आपके बिना ना होता, इतना खुशानुमा मेरा बचपन ।
संग आपके ही बीता है ये खट्टा मीठा अखण्ड जीवन ।
गर... ।
आप ना होते तो मैं शायद अधूरी थी, आप के साथ बिना, मैं कभी ना पूरी थी ।
कैसे मैं आप का ये ऋण चुका पाऊंगी,
बस जिद है प्रभु से और यही वरदान चाँहूंगी,
जन्म जन्मांतर तक बस आपको ही पिता के वेश में पाऊँ,
या इस संसार में फिर ना आऊँ... ।

किरण राठी, एसोसिएट प्रोफेसर, विद्युत व संचार अभियांत्रिकी
पूजा चौधरी, एसोसिएट प्रोफेसर, विद्युत व संचार अभियांत्रिकी

आज का छात्र

एक समय था जब कोई युवा कहता था कि मैं छात्र हूँ, तो उसे सम्मान की दृष्टि से देखा जाता था और लोग उसे उम्मीद से कहते थे कि बहुत अच्छा, मन लगा कर पढ़ाई करो । ऐसा कहना इसलिए था क्योंकि उस समय शिक्षा बहुत कठिन थी, मुश्किल थी । शिक्षा के साधन काफी काम थे । विद्यालयों और महाविद्यालयों की संख्या बहुत कम थी । छात्रों को पढ़ने के लिए बड़े शहरों में जाना पड़ता था, जो किसी तपस्या से कम नहीं था । इस सब के बावजूद भी उस जमाने के छात्र काफी मेहनत और लगन से पढ़ाई करते थे और सफल होते थे । उदाहरण के लिए देश के महानायक लाल बहादुर शास्त्री जी, डॉक्टर ए. पी. जे. अब्दुल कलाम आदि, जिनके पास पढ़ाई के लिए धन, उचित साधन और सुविधाएँ नहीं थी, इन के बावजूद भी इन्होंने हिम्मत न हारते हुए पढ़ाई की और देश का नाम रोशन किया । अब हम आज के छात्रों की बात करते हैं जिनके पास अत्याधुनिक तकनीक (कम्प्यूटर, टेबलेट, मोबाइल, इंटरनेट, ऑनलाइन स्टडी मटेरियल आदि) और सुविधाएँ हैं, फिर भी वो अच्छी पढ़ाई नहीं कर पा रहे हैं । क्योंकि वो तकनीक का गलत इस्तेमाल कर रहे हैं और उसी तकनीक का गुलाम बन कर रह गए हैं जिसकी वजह से इनका काफी समय बर्बाद हो जाता है और वे शिक्षा में अपना पूरा समय नहीं दे पाते हैं । आज के छात्र किताबों को महत्व काफी कम देते हैं और तकनीक पर ज्यादा भरोसा करते हैं । ऐसा नहीं है कि आज के छात्र सफल नहीं हो रहे हैं सफल हो रहे हैं परन्तु सफल होने का अनुपात काफी कम है जो उचित नहीं है । अतः आज के छात्रों से अनुरोध है कि वे तकनीक और सुविधाओं का सही उपयोग करके खुद को सफल बनाएँ और राष्ट्र को एक नई उँचाई दें ।

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