



# SUSHILA DEVI BANSAL COLLEGE, BGI Indore

# NEWSLETTER

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# आमंत्रित

## 2022-23

“THE PURPOSE OF EDUCATION IS TO MAKE GOOD HUMAN BEINGS WITH SKILL AND EXPERTISE.”

-APJ ABDUL KALAM

### | DIRECTOR OF THE YEAR- ‘HARD WORK PAYS OFF’



The head of any organization is not only the head mentor but also a motivator who teaches and guides towards growth, success and positivity. When skills along with passion, hard-work and patience are the elements, then there is no stopping. On the 'Second Higher Education - Innovation and Technology Summit' by the Universal Mentors Association held on August 27, 2022, Dr. Premanand S. Chauhan, Director, Sushila Devi Bansal College of Technology, Indore was honored 'The Director of the Year 2022' – among the top educators of Indian Higher Education.

### | EDITOR’S DESK

It was a six months full of vivid colors of emotions, entertainment and enthusiasm and all this compiled together made these six months very exciting. During this there was an atmosphere of 'Masti' in the form of events like Garba and cinematic experience and at the same time a serious series of practical exposure for the students in the form of various industrial visits and a mental medicinal dose of various seminars added to the list. The fact that studies and play should go hand in hand for an overall personality development, orientation programs for the newly admitted first year students were held which conducted many activities which provided a lot to learn along with the component of some fun. These six months also witnessed the two aspects of the same coin when the parents got to interact with the teachers and the students got a chance to mingle during the fresher's and farewell parties. Soaring towards the road to success, many students got opportunities to get placed and many got placed at sky high packages.



## | CONGRATULATIONS! REWARDED THE AWARDS

1. Dr. Atul Agrawal, Head, Computer Science & Engineering (SDBCT) was awarded a life time membership by 'The Indian Society for Technical Education'.



2. Mr. Kishor Patil, Head, Civil Engineering Department (SDBCT) was awarded a life time membership by 'The Institution of Engineers (India)'.



3. Mr. Vijay Mishra, Head, Counseling (SDBC) was honored with 'Excellence in Academic Administration' at the 'Healthcopeia Symposium – 2022' by the 'PHD Chamber of Commerce and Industry'.



## | ACHIEVEMENTS



**Uday Singh (II Year, CSE)**

400 m Relay (Athletics)	RGPV Nodal	<b>Gold Medal</b>
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**Harsh Pathak (I Year, CSE)**

Power Lifting	National (Raw Power Lifting of India)	<b>Gold Medal</b>
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**Jagrati Dhondge (II Year, CSE)**

Table Tennis	RGPV Nodal	<b>Selected for State Tournament</b>
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**Monesh Sharma (III Year, CSE)**

Kabaddi	69 <sup>th</sup> Senior State Men's Kabaddi Championship	<b>Winner</b>
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**Narendra Choudhary (II Year, ME)**

Baseball	Junior National Championship, BSFI, Under 18	<b>Gold Medal</b>
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**Narayan Patel (II Year, CSE)**

Power Lifting	Tournament by Power Lifting Association, Indore	<b>III Rank</b>
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**Md. Tosif (II Year, CSE)**

Football	RGPV State Tournament	<b>Selected for RGPV University for National</b>
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**Pankaj Bisht**

Muay Thai	World Muay Thai Council, India	<b>Selected for M.P. Muay Thai Team</b>
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## | MOU

The aim of MoUs and Industrial Tie Ups is to build a strong networking with the Companies. MoUs build a strong relationship foundation between two institutes to add a tie of cooperation which strengthens the faith of working with each other. The MoUs that we have signed are to provide our students with not only the basic foundation but also well attained first hand practical knowledge in terms of industrial training through projects, acquire knowledge via guest lectures and provide students with hands on training through internship programs. SDPC has signed MoUs with the following.

1. Kettering University (Flint, Michigan, USA)
2. Robotronix Engineering Tech. Pvt. Ltd.

## | INTERNATIONAL CONFERENCE



It was a proud moment for the Bansal Group when Sushila Devi Bansal College, Indore successfully concluded the first, 2 day International Conference of the group in the month of December in which people from around the globe participated and presented their research papers. The conference started with a grand opening ceremony in which keynote speakers like Prof. Raghu Echempati (USA), Prof. Priya Baboo (USA), Prof. Elammaraan Jayamani (Malasiya) and Prof. Boppana V Chowdary (West Indies) shared their experience and best wishes for the happy completion. Dr. M.P. Poonia (Vice Chairman, AICTE, New Delhi), Maj. Gen. J.S. Syali (Secretary & Director General, Institution of Engineers) and Dr. Sunil Kumar Gupta (Vice Chancellor, RGPV Bhopal) were among the few more to convey their best wishes for the conference.

In this conference we have received 205 research articles out of which 76 papers have been shortlisted for oral presentation and publication in the Journal of Physics: Conference series and in ISBN proceeding. In this conference participation from various countries like USA, Malasiya, Poland, Hungary, Germany, West Indies and India was viewed.

## | NPTEL



When many IITs come under one roof it becomes a technological castle called NPTEL. Under this, many students took part out of which 14 successfully completed while 9 received 'Elite Certificate'.

## | CODING SOULS UNTIL SALVATION

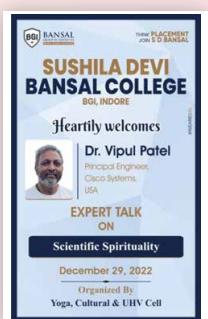
- Preparing the students to be fit and capable to enter into the MAANG companies, a seminar was organized by the alumni Abhishek Jain, Software Developer on October 15, 2022 in which students were motivated and guided to know how to prepare themselves for a higher outlook.
- A competition 'CODE BYTE' was organized on October 7, 2022 on the HakerRank Platform in which the students got a first-hand information as to how technical talent in the field of developers is hired.
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## | UNIVERSAL HUMAN VALUE CELL



- Ethics are considered to be a basis of cultural development of the upcoming generation who are the foundations of the economic development. On November 9, 2022 a seminar on 'The Foundation of Ethical Behavior' was conducted by a life coach motivational speaker and women empowerment activist Ms. Diksha Gupta.



## | WOMEN'S COUNSELING CELL



The mind of the youth is like a ripe fruit which absorbs any nutrient. The mind at this stage absorbs even the evil. To contain such evil knowledge a short session was conducted for the sensitive minds of the girls on October 12, 2022 by Mikita Chouhan, PS, Kishanganj Police Station for the students to make them aware about online frauds and promote the slogan 'Say No to Drugs'.

## | UNNAT BHARAT ABHIYAN (UBA)

Under the banner of 'Azadi ka Amrit Mahotsav 2022' a 'Nukkad Natak' was organized on August 6, 2022 which was focused on 'Women Education and Empowerment'. The 'Nukkad Natak' was organized at the various adopted villages namely Navda, Panda and Borkhedi.



## | SPORTS

A student's development is considered overall when along with studies are added co-curricular activities like games. Both physical and mental games play an important part in the development of students. When a college is given a chance to organize games at Nodal Level, it is a big time responsibility.



**1. RGPV Indore Nodal Chess Tournament  
(November 3 and 4, 2022)**



**2. RGPV Indore Nodal Table Tennis Tournament  
(December 5 and 6, 2022)**

## | CULTURAL CLUB

1. The Independence Day was celebrated with the warmth of 'Josh and Patriotism' as it started by unfurling and then saluting our respected tricolor flag. Cultural events like singing song, playing flute and poetry added admiration to the already proud chests of 'We The People' of the Bansal Group.



2. Music, Dance and Entertainment when added to our devotion towards 'MAA' equals to Garba. 'बंसल ना गरबा' was celebrated on October 1, 2022 with 'हरष और उल्लास' in which the students maneuvered the perfect steps of Garba in a synchronized pattern presenting their skillful practice and devotion towards 'Maa Durga'.



3. As the virtue takes over the evil and light tosses off the darkness, the spirit of Diwali was celebrated on October 21, 2022 with colors and lights of various competitions like Diya Decoration, Lantern Decoration, Flower Rangoli Making and many more.

## | NATIONAL SERVICE SCHEME (NSS)



1. An orientation program on the importance of the NSS and how it serves the society was discussed by Mr. Prakash Gadwal on August 22, 2022. He also motivated the students to join NSS by telling how this also benefits in the development of individual personality.

2. Natural oxygen is supplied by the trees and the more the trees, the more will be the clean and pure air. For this on August 25, 2022, a tree plantation drive was conducted at the college campus.



3. On the occasion of 'NSS Day' on September 24, 2022, the faculty and students saved the lives of so many people in need of blood when they organized a 'Blood Donation Camp' at the college premise.

4. Remembering one of our national heroes, Sardar Vallabh Bhai Patel, who fought to unify our country, a shapath Samaroh was organized on the 'Rashtriya Ekta Diwas' on November 1, 2022 at the college campus.



5. Ignorance towards the knowledge of 'AIDS' leads towards the death or mental torture to many. To throw the darkness of ignorance and spread the light of knowledge about AIDS on 'World AIDS Day' on December 1, 2022, a rally was organized at Umariya Village.

6. Cleanliness is next to Godliness. It means that the place that is cleanest is next to heaven as the hellish components like diseases and dirt stay away. To spread the Godliness, a 'Safai Abhiyaan' was organized at the campus on December 9 and 10, 2022.



7. Keep calm and drive safely as speed thrills but kills. Road safety awareness has become important for the youth today and to spread the knowledge and make the students aware of the various procedures and safety drills and equipments to hit the road, a road safety training was held on December 28, 2022.

## | DEPARTMENT OF CIVIL ENGINEERING



1. An expert talk, **इंजीनियर आज और कल** by renowned engineer Er. Atul Sheth was organized on August 1, 2022. The changes in the construction industry and the opportunities and challenges for civil engineers in the modern era was discussed.

2. A visit to the historical place - 'Mandu' was organized for the second year students on August 4, 2022. The students studied the planning, arrangements, constructions and materials of the various structures from civil engineering point of view.



3. A one day workshop on DGPS Surveying was organized on August 5, 2022 in association with KTRC Engineering Consultant & Building Development. The keynoter was Er. Deepak Kumawat and the workshop included hands on practices of various surveying instruments like Total Station, Auto Level & Differential Global Positioning System (DGPS).

4. A technical visit was organized to 'Ishwari Westend' on September 1, 2022. The students learned about Flat Slab, Shear Wall, Water Tank, Retaining Wall, Special Form Work and more.



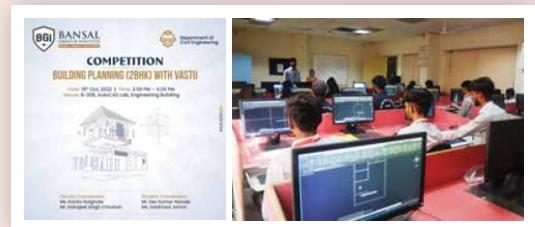
5. Three weeks on-field training was conducted from September 5, 2022 for the students at 'Path India Ltd.'. The students were trained for quality control, survey, billing, model construction of roads etc.

6. A Technical Visit at 'ULTRATECH CONCRETE RMC PLANT' was organized on September 22, 2022 for the first-year students for an exposure to the field and to understand the relevance of their subjects with the practical aspects. In this visit students understood about RMC plant, Process for concrete manufacturing, Concrete Blocks, cement, and Quality Control of Ingredients of Concrete.



7. On September 30, 2022 an expert lecture was organized. The Timeline of development in 'Remote Sensing, GIS and GPS Application in Civil Engineering Past to Recent' by Dr. Siddharth . K . Soni , Professor and Head of the Civil Engineering Department, SGSITS.

8. A 'Building Planning Competition' was held on October 19, 2022 under the newly inaugurated Artistry Club in which 19 students showcased their redefining art and chiseled the building planning skills. This competition helped in enhancing the building planning skills of the students according to Vastu.



## | DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



1. An expert lecture on 'Coding and Beyond Coding' was organized on August 3, 2022 by Mr. Ashish Jain, Head, Valuelabs. He made students aware of coding and non-coding job opportunities in IT industry.

2. The students got a chance to prepare a futuristic road map when they interacted with the personnel during an Industry visit to 'Solugenix Software firm' on September 23, 2022.



3. An AWS Workshop was conducted from October 10-12, 2022 by Experts Shagun Rathore and Sagar Gupta. The students during the workshop learnt how to kick-start their carrier in AWS certification.

4. It is said that a practical exposure in the field of computer leads to a better success story. Realizing this, an industry visit to 'Cyber Infrastructure Pvt. Ltd.' was conducted on October 17, 2022 in which the students were made aware of the on field ambience.



5. An industrial visit to Dequode, Crystal IT Park, was held on November 4, 2022. The main aim of this visit was to make the students technologically savvy and practically aware about the working and functioning of any IT firm.

## | DEPARTMENT OF INFORMATION TECHNOLOGY



1. An industry visit was organized on September 17, 2022 to 'Infowind Technologies' where the students were provided an interactive exposure with the industry experts.



2. On October 15, 2022 a workshop on 'Java' was conducted by Mr. Shailesh Pawar, Technical Trainer, Universal Infomatics, in which the students were provided knowledge about the programming concept using Java as the students were cleared about the connectivity concepts in Java.

## | DEPARTMENT OF MECHANICAL ENGINEERING



1. Among a bouquet of International seminars, one was on medical device manufacturing conducted on July 29, 2022 by Professor Kamlakar P Rajurkar, distinguish professor of engineering at the University of Nebraska. He discussed how various materials like ceramic can be used to replace various body parts and more.
2. The students on August 2, 2022 were given a knowledgeable exposure to automated machining and technological mechanisms at 'IPF Vikram' Pithumpur.



3. On August 3, 2022, the students were given a firsthand practical exposure on various manufacturing processes at 'Stelloid Infrastructure Pvt. Ltd' Pithumpur where they learned techniques like submerged arc welding.

4. Breaking the timeline of the past an 'Proud Alumni Talk' was organized on August 4, 2022 by the alumni Mr. Nikhil Prajapat, an entrepreneur and Mr. Deepak Prajapati, a current NITan.



5. On August 6, 2022, keynoter Professor Ravi Kumar Dwivedi, Head Excellence of Smart Manufacturing, MANIT, Bhopal interacted with the students and staff and spread the light of knowledge about the industrial journey from 'Industry 1.0 to Industry 4.0' in which he talked about the development in the field of mechanical engineering in relation to industries.

6. The students spread a message among the society that cleanliness is very important for the progress and health of a place, a city and in turn a nation. They used 'Nukkad Natak' as the main tool to spread this awareness on August 27, 2022.



7. Celebrating the day of engineers and dedicating their brain child models in the form of an exhibition on September 15, 2022, the students exhibited the various working projects showcasing their innovative talents.
8. The pride of 'The Bansal Group' , Rani Kamlapati Railway Station, Bhopal was the next stop for the students to visit on December 19, 2022 as they got to learn about the "Auto Expo" of the railway station like its monitoring and controlling system along with the functionalities of various mechanisms.

On that very same day, the students also experienced the chills and trills in the updatings, innovations and inventions in the field of automobile during a visit to the "Auto Expo".



## | DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



1. A Seminar on Automation & Solar energy was conducted on August 1, 2022. The students were made aware about the business opportunities in Automation & Solar energy. The students got benefitted by the information provided by Speaker Mr. Ravindra Sharma ,Founder of Autosys, Indore.

2. An Expert talk was organized on the topic of Instrumentation Technology and variety of career options in it. The session was orated by Mr. Sneh Mahisuria on Augsut 2, 2022. The students gained knowledge and learned new things about the real market scenario. Students were given tips for finding the right career paths. The speaker also acknowledged the students about the significance of AI technology and career options in many instrumentation companies.



3. Professor Ravi Kumar Dwivedi, Head Excellence of Smart Manufacturing, MANIT, Bhopal interacted with the students and staff on August 6, 2022 and spread the informative knowledge about the industrial journey from 'Industry 1.0 to Industry 4.0' in which he discussed about the development in the field of mechanical engineering in relation to industries.

4. The students, on August 2, 2022 visited IPF Vikram, Pithampur (Automated plant for soap & detergent manufacturing). The students got the exposure to PLCs, automated processing of conveyer belt & how automation plays an important role in Industry.



5. On August 3, 2022, the students were given a firsthand practical exposure on various manufacturing processes at 'Stelloid Infrastructure Pvt. Ltd' Pithumpur.

6. The students got an exposure about microwave component manufacturing,utility of waveguide at microwave frequencies and test equipments at MIWAVE TECHNO VENTURE Private Ltd, Indore on November 5, 2022 during their industrial visit.



## | DEPARTMENT OF MANAGEMENT STUDIES



- The students visited 'Mandav' for some edutainment activity on July 30, 2022 as it was fun as a picnic along with learn about the historical value of the place. Along with this the students learnt some management skills like managing time & resources along with event management.

- The School of Management Studies organized various activities for the students on August 22, 2022. The eminent guests were Mr. Rohit Shrivastava, Section Head, Force Motors and Prof. Piyush Mishra, Professor of English and a Corporate Trainer. The guests spoke about garnering , and developing technical and communication skills that would lead students towards becoming confident and successful in professional as well as in personal life.



- A guest lecture was organized on September 23, 2022. The key speaker Dr. Abhishek Mishra from IIM Indore enthralled the students with his uncanny ability of understanding the anxiety of students going through the rigors of the management program and placements. He guided the students to build their skill sets and prepare themselves through their creativity as future entrepreneurs.

- A session on "Importance of Laughter and Recreation in Professional Life" was taken by Dr. Shyam Sunder Palod on November 4, 2022. The session was completely filled with humor and made the ambiance lighter



- A Talk on "Success without Stress" was delivered by Mr. Sunil Jain on November 5, 2022. Along with this, a special Meditation Session was convened by Ms. Bhumika in continuation of that, which gave an alleviating experience of being tranquil during work pressures.

- A visit to the Indian Institute of Management (IIM), Indore was conducted on November 11, 2022. Mr. Vijay Dadlani and Mr. Satyendra welcomed the team and took them around the wonderful campus. Students visited all facilities provided by IIM to their students, the enormously spacious library with browsing rooms, the Olympic length swimming pool, the state of the art auditorium, the beautiful classrooms, hostels and gym. The students enjoyed the hospitality and warmth extended to them and interacted with all. It was a wonderful visit and students came back with ideas in different quarters of developing ways of enhancing learning.



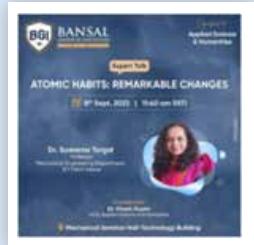
- On December 2, 2022 a special Movie Screening was held at the Trinity Mall, Where approx 200 students enjoyed the morning show of the movie 'Drishyam 2'. It was a memorable day for all students where they experienced the feel of some fun along with some learn.

## | DEPARTMENT OF APPLIED SCIENCE & HUMANITIES



- Cleansing of the soul and spiritually refreshing the mind is something that helps in positive thinking and affirmative growth. For that, a webinar on Search for Happiness was conducted on August 25, 2022, in which the keynoter was Shri Krishnarchan Das, Youth Outreach Director, ISKON.

- On September 8, 2022, an expert talk was organized on Atomic Habits: Remarkable Changes by Dr Suwarna Torgal, Professor, Mechanical Department, IET DAVV, Indore.



- The Music of Reason, Mathematics is said to be a logical poetry. Vedic Maths which restores the Ancient Indian calculation system adds pride to our cultural calculus. Moving that on, an expert talk was conducted on September 12, 2022 on Vedic Maths by Shri Ravi Asrani, a Director and Trainer of this anciently restored art of calculations.

- Seeing an alumini reach heights motivates the upcoming and budding students and makes the institution proud as well. September 17, 2022 marked the date when the current students had a chance to interact with Mr Yaju Patel, an alumni as well as Partner Technical Consultant at Microsoft, who through his experiences explained the students how they can excel and reach heights in career.



- Dance is the food for a healthy mind and body. To explain the students about the health benefits of Dance, Mr. Nishi Kuril on September 17, 2022 showed off his dance moves as he presented how dance keeps the body and mind not only healthy and fresh but also how dance is a way of expressing emotions too.

## | TRAINING CELL



- Training plays the role of red blood cells in any organization or institution. It is training that grooms the soft-skills and assists the hard skill knowledge of students to get placed. An HCL company specific training program was conducted between July 08 and 31, 2022 for the students where they were trained on specific parameters keeping in mind the HCL placement procedures.

- A two days interview training program was conducted on July 14 and 15, 2022 in which the students were given a practical and rigorous feel of various interviews but were focused on the contemporary style of the most difficult interview called the panel interview.



## | DEPARTMENT OF RESEARCH & DEVELOPMENT



1. An expert talk on Ideation Publication and Patenting was organized on October 17, 2022 in which Dr. V.K. Jain, Professor (Rtd.) IIT Kanpur, presented his views and shared his knowledge and experience.

### 2. Research Papers Published -

S. NO.	Author Name	Department	Faculty / Student	Research Paper Title	Journal / Conference
1.	Chandra, U., Chauhan, P.S., Porwal, R.K. and Sharma, A.K.	ME	Faculty	Microstructure and structural comparison between additively manufactured metal and ceramics,	Int. j. vehicle structures & systems, 14(5), 655-662.
2.	Chauhan, P. S., Dwivedi, R. K. & Agarwal, A	ME	Faculty	Implementation of FMEA on industrial tool room cooling system	Int. j. of materials, mechanics, mechatronics and manufacturing, 1, 11-18.
3.	Chauhan, P. S., Sharma, S., Gupta, D., Gupta, R., Soni, P., Khan, B. & Prajapati, J.	ME	Faculty	Fault Diagnose of Gear Box: A Case Study	Int. j. of materials, mechanics, mechatronics and manufacturing, 1, 19-26.
4.	Singh, R., Narwariya, M., Sharma, A. K., Chauhan, P. S., & Singh, R. (2022)	ME	Faculty	Design and fabrication of epoxy-based hip implant	International journal of materials engineering innovation, 13(4), 346-359.
5.	Amit Ojha, Premanand S. Chauhan, Avadesh K. Sharma, Anupma Agarwal	ME	Faculty	Investigation of creep behaviour on copper rod at multiple temperature	Materials Today: Proceedings, 2022. <a href="https://doi.org/10.1016/j.matpr.2022.02.551">https://doi.org/10.1016/j.matpr.2022.02.551</a>
6.	Rajan Kumar, Premanand S Chauhan, Ravi Kumar Dwivedi, Anoop Pratap Singh, Jagdish Prasad,	ME	Faculty	Experimental study of corrosion inhibition of RCC element using glass FRP mats	Poka-Yoke technique in automobile industries, Materials Today: Proceedings, 2022, <a href="https://doi.org/10.1016/j.matpr.2022.04.335">https://doi.org/10.1016/j.matpr.2022.04.335</a>
7.	Jay Prakash Kumar, Premanand S. Chauhan, Prem Prakash Pandit	ME	Faculty	Time domain vibration analysis techniques for condition monitoring of rolling element bearing	A review, Materials Today: Proceedings, 2022, <a href="https://doi.org/10.1016/j.matpr.2022.02.550">https://doi.org/10.1016/j.matpr.2022.02.550</a>
8.	Akshay Jain, Anupma Agarwal, Premanand S Chauhan	ME	Faculty	Optimization of laser cutting quality characteristics for basalt –glass hybrid composite using hybrid approach	Materials Today: Proceedings, 2022, <a href="https://doi.org/10.1016/j.matpr.2022.04.578">https://doi.org/10.1016/j.matpr.2022.04.578</a>
9.	Ms. Namrata Bhatt Ms. Anuradha Deolase Ms. Anjali Sharma Maltare	IT	Faculty Faculty Faculty	Communication Challenges of Connected Vehicles with Integration of Air Space & Ground with IoT	International Conference on Material Science, Mechanics and Technology, ISBN Proceedings
10.	Mr. Kishor Patil	CE	Faculty	Dynamic Analysis of Buildings Having Combination of Floating Columns and Shear walls.	International Journal of Engineering and Techniques (IJET)
11.	Mr. Kishor Patil	CE	Faculty	Analysis of Wall Belt Support in Multistorey Building With Higher Importance Factor	International Research Journal of Education and Technology (IRJET)
12.	Mr. Kishor Patil	CE	Faculty	Analysis of Different Parameter of Wall Belt Support in Multistorey Building With Higher Importance Factor	International Journal of Research Publication and Reviews (IJRPR)
13.	Dr.Gunjan Shrivastava Mr. Gaurav Jain	CE	Faculty Faculty	Slake Durability Index (SDI) of Weathered Deccan Trap Basalt"	IOP Journal of Physics (Scopus)
14.	Mr. Gaurav Jain	CE	Faculty	Experimental study of corrosion inhibition of RCC element using glass FRP mats	
15.	Ms. Kavita Golgate	CE	Faculty	COMPARATIVE ANALYSIS OF RCC DECK SLAB AND STEEL BRIDGE DESIGN WITH LOAD ANALYSIS USING STAAD PRO	Proceedings of International Conference on Material Science , Mechanics and Technology-2022 (ICMMT-2022)
16.	Ms. Kavita Golgate	CE	Faculty	R.C.C. Shell Structure Design of Selected Shape	
17.	Ms. Kavita Golgate	CE	Faculty	Comparative Analysis on Shear Stress and Ductile Shear Demand Capacity in Beam-Shear Wall Junction Between Higher vs Lower Concrete Grade and Effect of PRC Beam by Using E-tabs Software	
18.	Mr. Abhishek Garg Mr. Vishal Bairagi	ECE	Faculty Student	Lora Based Agriculture & Crop Monitoring System using Internet of Things (IoT)	

19.	Dr.Neelam Sharma Mr. Deepak Sharma Mr. Shubham Mahajan	ECE	Faculty Faculty Student	A Review on Contemporary Handover Mechanisms for Wireless Networks	Proceedings of International Conference on Material Science , Mechanics and Technology-2022 (ICMKT-2022)
20.	Dr. Neelam Sharma Mr. Vinod Sonkar Shubham Vishwakarma	ECE	Faculty Faculty Student	Design of Adaptive Equalizers for Frequency Selective Fading Channels	
21.	Dr. Neelam Sharma	ECE	Faculty	Crosstalk Analysis Due to Loosely Coupled Waveguide Joint in K Band	International Journal of microwave and optical technology, vol.17, no.5, pp.464-469, 2022.
22.	Mr. Jaideep Sharma Mr. Manish Patidar	ME	Faculty Student	CFD Analysis of the Morphological Characteristics of Nanofluid $Al_2O_3$ and $C_{ou}$	International Journal of Science, Engineering and Technology
23.	Mr. Shrikant Shukla Mr. Amit Singh Berwal	ME	Faculty Student	Experimental Analysis on water distillation plant by using solar preheating system at various operating conditions.	International Journal Research and Analytical Reviews (IJRAR), E-ISSN: 2348-1269
24.	Ms. Ruchi Sharma	CSE	Student	A Taxonomy and Review on Machine Learning Based Approaches for Stock Market Forecasting	ICMKT-2022
25.	Ms. Prakrati Joshi	CSE	Student	A Review on Automated Handover in Software Defined Networks (SDNs) Based on QoS Metrics	
26.	Mr. Rupam Solanki	CSE	Student	A Survey on Machine Learning Assisted Text Spam Classification Models	
27.	Mr. Shamir Khan	CSE	Student	A Review On Image Encryption Techniques And Performance Metrics	
28.	Mr. Mayank Khandelwal	CSE	Student	A Survey on Supervised Learning Models for Modelling Health Risk Evaluation	

## FACULTY DESK

### Soft Skills ...the need of the hour!

You may be the finest programmer, editor, mechanic, or whatever else, but if you can't get along with people, you are a nobody. Sounds harsh, yes? But true!!!

Some of the most crucial professional abilities cannot be learned in a classroom or assessed with a test. These characteristics are known as soft skills, and they are more important than you might realize for your job search and your career. Complex problem-solving, critical thinking, creativity, people management, and emotional intelligence were among the top skills listed as essential for the workplace by 2025, according to the World Economic Forum's Future of Jobs report.

Soft skills are character traits that affect how well you can collaborate or communicate with others. These abilities make it simpler to build relationships with individuals, establish dependability and trust, and manage teams. Interpersonal (people) skills, communication skills, listening skills, time management, and empathy are a few examples of soft skills. Given the importance of soft skills for almost every job, they are among the top abilities hiring managers look for in applicants. They are fundamental to your success at work, the success of your business, and your personal life.

Many people place a lot of emphasis on hard skills when looking for a new job or changing careers. They strive to acquire new technical knowledge or training, and ignore acquiring soft skills without realizing that soft skills are equally as crucial as hard skills. Soft skills can be beneficial whether you're attempting a new job, changing your career, or seeking advancement in your current sector.



Dr. Supriya Srivastav

### MIRROR OF A STUDENT'

A student is the future of any country. He makes a future doctor, engineer, teacher, and businessman and just name it. Each and every profile in a hierarchy from the lowest to the top most position plays an important role in the development of a nation. The future generation, to pave a path to success needs to keep the following things in mind:

**TIME** is a powerful element and should not be underestimated. Always remember that there is no time like the present because the past is over, the future is still unpredictable. So, without wasting time, one should do or start whatever is possible as a journey of a thousand miles begins with a single step. Do whatever you can to improve yourself. One should not get stuck on a particular path. **EXPERIMENTS** should be made as a part of life. One should keep exploring one's potential by thinking out of the box and should not be left ideal.

The student age is such that you have so much to learn, especially during the competitive increase. Just like time is a healer, patience too is needed. **DECISION MAKING** is another litmus test of life, where sometimes, one does not get a reaction time to make decisions, so one should always look before one leap because one wrong decision can ruin one's life. Just like a tree is known by the fruits it bears, in the same way, **CHARACTER** defines a person. That is why it is said that if you want to know a person, meet his friends. It is said that an army of sheep led by a lion would defeat an army of lions led by a sheep. In the same way, one should possess **LEADERSHIP SKILLS** in a positive manner. At the same time, one should also remember that if you want to go quickly, go alone and if you want to go far, go together. A leader is one who works with a team as a team and moves ahead with all members understanding their individual potential.

In the end what makes the biggest difference is, 'It's all about the **ATTITUDE**'. As Winston Churchill once said,

**"Attitude is a little thing that makes a big difference".**



Prof. Munish Naithani

## | STUDENT DESK

जिंदगी नी ना जाने तया-वया सिखाती है,  
हर दिन एक नया मंजर ले आती है,  
यात के कुछ अक्ष अभी थे ही आखो में,  
सुबह को यह फिर कुछ अनकहा ले आती है,  
जिंदगी नी न जाने वया वया सिखाती है!

हर रोज खुट से एक जंग लड़ना पड़ता है,  
अगर आज खुट से नहीं तो जमाने से लड़ना पड़ता है,  
यह जीवन मी फिरसी महाभारत से कम नहीं,  
अपने बिखरे अरण्यों का सारथी बन खुट ही याना पड़ता है,  
कभी स्वयं को अर्जन तो कभी पार्थ बनाती है,  
जिंदगी नी न जाने वया वया सिखाती है!!

खुट की काविलियत पर तुम्हें पूरा ऐतार होता है,  
फिर भी दुनिया की शातों से टिल घायल हर बार होता है,  
सुबह खुट को अपने मकसद में झोकने के लिए,  
शातों को तुर्ने आसुओं की गंगा पार करना होता है,  
इस दुनिया में जीने के वह तुर्ने काविल बनाती है,  
जिंदगी नी ना जाने तया-वया सिखाती है!

आसुओं को छुपा गुस्कुराना पड़ता है,  
अपने टिल के ज्ञात को टिल में ही छुपाना पड़ता है,  
दुनिया जब सिद्धत से करती है तुम्हारे हार का इंतजार,  
अपने अदर जीत की ज्ञात को तुर्ने खुट ही जलाना पड़ता है,  
यूं ही नहीं यह सारे उस्तादों की सरताज कहलाती है,  
यह जिंदगी है जनाव ....बहुत कुछ सिखाती है,बहुत कुछ सिखाती है!



**Shalini Kumari**  
B.Tech I Year, EC

मुझे लिखना है,  
आज एक बार फिर अपनी कलम को जगाने के लिए

मुझे लिखना है,  
आज एक बार फिर अपनी कलम को जगाने के लिए

मुझे लिखना है,  
अपनी पहचान फिर एक बार पाने के लिए

मुझे लिखना है,  
आज फिर एक पूराने लेखक की पूरानी रचना को पूरा करने के लिए

मुझे लिखना है,  
आज के हर उस युवक के लिए जो लिखना चाहते हैं,अपने भविष्य के लिए

लिखने को तो न जाने कितने लोग रोज लिखते हैं नगर मुझे आज एक अधूरी कहानी लिखनी है।



**Iram Qureshi**  
B.Tech II Year, CSE



*"At the stroke of midnight hours when the world sleeps,  
India will awake to the new life of freedom."*

- Late Pt. Jawaharlal Nehru



**Yash Sarwate**  
B.Tech II Year, IT

This year, India celebrated its 75 years of Independence. India had celebrated the platinum jubilee of its Independence. We've stepped into our 75<sup>th</sup> step to become a #विश्वगुरु. But why then we started with these lines. Because the discussion about the modern India is incomplete without the mention of its first Prime Minister. After all, it all started in his term. These iconic lines were marked by him on the day India got independence. "Long years ago we made a tryst with destiny and now the time comes when we shall redeem our pledge not wholly or in full measure but substantially." On the 15<sup>th</sup> of August 1947, at his midnight speech he addressed the nation with these iconic words.

He laid the foundation of Modern India , this India now has seen upto 15 Presidents and almost 14 Prime Ministers . Recently this year India got its 15th President , Smt. Droupadi Murmu.

As soon as India got independence , under the leadership of Nehru , we established DRDO , ISRO , BARC , IIT's , IIM's , etc. Many more Institutions which are now acting like pillars to a building . Moreover in 1960 , we endeavoured Green Revolution for a way to make India a sustainable developed state. In 1970 , Operation Flood a.k.a White Revolution was launched which is now the world's largest dairy development program and a landmark.

In the history of this 75 years , India was forced to go on war with Islamic Republic of Pakistan 4 times and 1 time with People's Republic of China and some border disputes but still we stand still with our stance as a Knight to peace.

### Science :-

- In 1959 , India designed its first nuclear reactor 'Apsara'.
- In 1968 Dr. Praful Sen became the first Asian Surgeon to transplant heart in human body .
- In 1967 , on 20th November , India launched its first made in India Rocket from Thumba Equatorial Rocket Launching Station.
- In 1978 , India's first and world's 2nd Test tube baby was born and named Durga on the occasion of durga puja.
- In 1975 India launched its 1st satellite , Aryabhata .
- In 1984 , Wg. Com. Rakesh Sharma became the 1st Indian in space .
- In 1999 , Pokhran test , which was also considered as a failure of CIA.
- Chandrayaan and Mangalyaan and Param 8000 supercomputer.

#### Defence :-

- In 1957 India launched its first Jet bomber in Canberra .
- Goa freed from the 400 years of brutal rule from Portuguese .
- Non-Aligned Movement .
- India won 1971 war and freed People's Republic of Bangladesh .
- India launched indigenous Nuclear Submarine Arihant and Indigenous fighter jet Tejas.

#### Sports:-

- First gold in hockey in Olympic.
- India won 83 world cup , 85 cricket world championship after defeating Pak
- Sania Mirza became first Indian to win Wimbledon Trophy Doubles .
- Abhinav Bindra won Gold in Olympics .
- India won 2011 world cup 2nd time.
- Sania in Tennis and Saina in Badminton were became world champions.
- Tendulkar hit 100th international Century.

#### Co-curriculum:-

- Arundhati Roy was first Indian to be honoured with booker award.
- In 1994 Sushmita Sen became Miss Universe and Aishwarya Rai became Miss World.
- RTI law was imposed , Lara dutta became Miss Universe.
- Many more such things.

From SLV3 launch of the 80's to the Record of launching a 104 satellites through PSLV, India has done far for the future. In 1977, India threw back dictatorship and restored democracy. And in 1991, India opened up its market for the world. It is our nation's journey. And now we've stepped in 75th year of Independence and our Prime Minister Narendra Modi started the initiative of Azadi ka Amrit Mahotsav to commemorate its glorious history of its people, culture and achievements. The mahotsav is dedicated to those who have brought India thus far in its evolutionary Journey and also holds the potential to enable the vision of India 2.0 or Atmanirbhar Bharat , and our goal is to make India a developed superpower until 2047 when India will complete its Century for Independence. We should work together to meet this goal.

### Rising Horizon of Artificial Intelligence

A propelling field in terms of delegating human species to make machines do what they are Exquisitely known for, generating intelligent decisions. Artificial Intelligence created by modern Humans to deal with tasks they are already experts at, like perceiving and scrutinizing. Back in times just the thought of replicating human intelligence with a modified version was considered a sorcery of its own kind. Various rigorous research and exploration have led human closer to creating a complex system which need no micromanaging. From the generation of a novice trifler system to an amalgamation of extensive resources and skills, artificial intelligence has recuperated and evolved. This interfusion is enthralling, it is appealing to new learners, and engrossing them to study this marvelous subject of AI.

An interesting term super intelligence has been coined in recent time. It means creating an intelligent model that can reform and refine its intelligence outshining humans that are superior in intellect and have extensive potential in terms of mental breakage of a problem and creating its solution. These models can reprogram themselves to fit (recalling and revisiting the theory by Sir Charles Darwin, "Survival of the fittest"). These systems can propagate their intelligence exponentially, ejecting humans to have knowledge they will possess after million years of evolution. This propagation can help cultivate theories we never knew existed, or skills we never thought could be conceived. Years back when time travel was proposed is now achieved artificially with humans absorbing glimpse of what human intelligence will be after years of enhancement and advancement.



**Shruti Ashok Sharma**  
B.Tech IV Year,  
CSE

### Beware of Long Term Traps

A "mouse" was put at the top of a jar filled with grains. He was too happy to find so much food around him. Now he doesn't need to run around searching for food and can happily lead his life. As he enjoyed the grains, in a few days, he reached the bottom of the jar. Now he is trapped and he cannot come out of it. He has to depend solely on someone to put grains in the same jar to survive. He may not even get the grains of his choice and cannot choose either. Here are FOUR lessons to learn from this:

1. Short-term pleasures can lead to long-term traps.
2. If things are coming easy and you are getting comfortable, you are getting trapped in survival mode.
3. When you are not using your skills you will lose more than your skills. You lose your CHOICES.
4. The right action must be taken at the right time, or else you will lose whatever you have.

**Think about it.....**



**Aastha Jain**  
B.Tech CSE, III Year

## PLACEMENT DIARY

The academic excellence at S D Bansal College (SDBC), Indore MP is reflected in its student's exemplary record in placements in the corporate and engineering sectors. S D Bansal College's Training & Placement Department has consistently maintained an excellent recruitment record. The graduates and post-graduates of SDPC have been recruited by some of the world's leading corporate and leading Indian companies. The sheer diversity of the students and faculty prepares the students to work in global multicultural corporations / industries. We work on to assist the development of graduates with balanced set of technical skills, interpersonal skills and with a positive attitude to life. We act as a nodal agency in the Institution for forging technology alliance between the departments of SDPC and the Industries. We act as a seamless conduit between the Industry and the Institute and provide quality technical manpower to sit every organizational need.



### PLACEMENT BATCH - 2023 (AS ON 31<sup>ST</sup> DEC 2022)

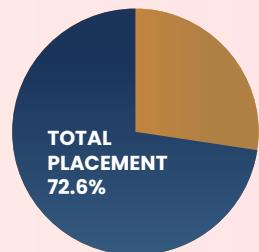
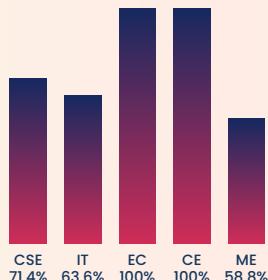
#### OFFERING CERTAINTY IN UNCERTAIN TIMES

SELECTION IN B.TECH = 72%

SELECTION IN MBA = 76%

TOTAL OFFERS = 96.2%

BRANCH WISE SELECTION



#WEAREBGI

### SOME OF OUR MAJOR RECRUITERS



and many more...

To,

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