



# **Newsletter 2019**

**Vol. 4,  
No. 1 & 2**

**MAHANT BACHITTAR SINGH  
College of Engineering & Technology, Jammu**

**A Constituent of Sant Manjit Singh Trust  
(Approved by AICTE, Govt. of J&K & Affiliated to University of Jammu)**



# MAHANT BACHITTAR SINGH College of Engineering & Technology, Jammu

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**Vol. 4, No. 1 & 2**

## Newsletter



Prof. (Dr.) A. S. Sudan

### Message from the Chairman

Our newsletter reflect complete profile of the academic and co-curricular activities, achievements and progress made during the stipulated period so that all the stakeholders are well informed about MBSCET.

We at MBSCET are committed to develop culture of excellence in teaching, learning and innovation. Our educational programme lays emphasis on all round personality development and also in inculcating human values and professional ethics.



Prof. (Dr.) D. S. Pundhir

### Message from the Principal

I am pleased that MBSCET, Jammu has continued its tradition of publishing a college newsletter. This newsletter includes many developments and activities in and outside the campus. It also helps in building teamwork, which is much needed in the competitive world today.

This provides a platform to explore the academic merits and achievements of students and faculty. A newsletter inspires and motivates students and staff by reminding them of the zeal they once had to do something extraordinary.

## **Vision of Institute**

To be globally acclaimed technical institution for aspiring technocrats and continuously striving to explore new vistas of opportunities.

## **Mission of Institute**

- ★ Providing contemporary and advanced knowledge of engineering & sciences among students in coordinated and integrated manner.
- ★ Developing culture of excellence in teaching, learning and innovation to provide opportunity to the students to become critical thinker and problem solver.
- ★ Producing competent skilled manpower based on demand of industry, society and corporate.
- ★ Promoting design & research culture by adopting latest technology and diverse resources for the benefit of society.

## **Program Outcomes**

Engineering Graduates will be able to:

1. Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3. Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

## **Program Outcomes**

- 4. Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.**
- 5. Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.**
- 6. The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.**
- 7. Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.**
- 8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.**
- 9. Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.**
- 10. Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.**
- 11. Project management and finance: Understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.**
- 12. Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.**

# Department of Computer Science Engineering

## Vision

To develop competent professionals in the field of Computer Science & Engineering to meet the challenges of Industry & Society.

## Mission

- ★ Providing contextual and advance knowledge to students in line with industrial trends.
- ★ Promoting effective Teaching and Learning Practices using modern tools and techniques.
- ★ Promoting research and design environment by providing training in emerging software and technologies for fostering student's growth.
- ★ Encouraging comprehensive development of the students by inculcating soft skills and ethics in their personality.

## PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

- PE01: Our graduates will have professional competency built with strong foundation in Computer Science and Engineering for global acceptance in industries, higher studies and research.
- PE02: Our graduates will develop computing systems, which enables them to analyze, evaluate and provide intelligent elucidation to meet industry challenges.
- PE03: Our graduates will compete with the challenges of social and professional concern by use of modern tools and softwares.
- PE04: Our graduates will exhibit leadership quality, ethics, communication and lifelong learning skills.

## PROGRAM SPECIFIC OUTCOME'S (PSOs)

- PS01: To analyze and design hardware / software systems using various architectural / design patterns, standard notations, procedures and algorithms.
- PS02: To design and develop solutions for real world problems by applying computer and communication network technologies.

# **Department of Mechanical Engineering**

## **Vision**

To become a recognized center of excellence for aspiring technocrats in Mechanical Engineering.

## **Mission**

- ★ Providing contemporary and advanced knowledge of Mechanical Engineering amongst the students through a curriculum consisting of modern laboratories, interdisciplinary subjects and industrial trainings;
- ★ Creating culture of excellence in teaching – learning using hi-tech techniques and collaborating with other institutions along with focus on faculty development
- ★ Promoting design and research environment, incorporating latest software's in mechanical domain with a focus on enabling viable and economical innovations for the benefit of the society at large. Encouraging comprehensive development of students by adopting lifelong learning and sharing for enhancing employability.

## **PROGRAM EDUCATIONAL OBJECTIVES (PEOs)**

- PEO 1: The graduates will have quality education to keep pace with advancement in technologies, hence encouraging them to contribute to the field of education & research, and industry related to mechanical engineering as well as other allied fields.
- PEO 2: The graduates will attain essential competence in basic sciences and mechanical engineering fundamentals required to formulate, analyse and solve engineering problems that will empower them to have effective career in core mechanical as well as interdisciplinary industries, and as entrepreneurs.
- PEO 3: The graduates will enhance their knowledge and soft skills, encouraging them to innovate and develop sustainable solutions for a progressive society.
- PEO 4: The graduates will maintain high ethical standards, establish potential leadership & teamwork abilities, inculcate effective interpersonal skills and engage in lifelong learning for a successful professional career.

## **PROGRAM SPECIFIC OUTCOME'S (PSOs)**

- PSO 1: Ability to study and analyze useful and innovative materials and related technology for the benefit of industry and society.
- PSO 2: Ability to develop proficiency in designing through latest and advanced software tools related to mechanical engineering.



# Department Of Information Technology

## Vision

Transforming IT aspirants into technocrats for adapting to rapid technological advancements in Industry and contributing to society.

## Mission

- ★ Integrate academics and research to address challenges of industry.
- ★ Maintain labs with hardware and software where students and faculty can enhance their technological skills.
- ★ Provide IT solutions to problems related to interdisciplinary fields.
- ★ Bringing out graduates with high quality knowledge, innovation, ethical and social responsibilities.

## PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

- PE01: Design and develop systems and applications to solve real life problems.
- PE02: Develop professionalism, communication skills, leadership and team work enabling them to adapt the current trends in technology.
- PE03: To inculcate an attitude for life-long learning.
- PE04: To prepare students for higher education.

## PROGRAM SPECIFIC OUTCOME'S (PSOs)

- PS01: To analyze and predict solutions for global society using machine learning tools and techniques.
- PS02: To provide solutions for real world problems by applying latest tools and technologies.

# Department of Electronics & Communication Engineering

## Vision

To emerge as one of the leading Electronics and Communication Engineering programs in the region committed to achieve excellence consistent with industrial and social demands.

## Mission

- ★ Providing professional competences in the field of Electronics and Communication engineering through modular programs in addition to existing curriculum.
- ★ Offering state of art pedagogy methods to promote multidisciplinary activities for enhancing critical thinking and problem-solving capabilities. Encouraging students to adapt innovative approach to meet current and future industry and social demands.
- ★ Promoting holistic research-based approach by providing training in latest technologies through collaboration with industry and engineering professional societies.

## PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

- PE01: The graduate will be able to exhibit professional competency in the field of Electronics and Communication engineering to synthesize optimal and socially acceptable solutions.
- PE02: The graduate will be able to develop innovative ideas and find creative solutions to meet professional challenges.
- PE03: The graduate will be able to pursue post graduate and research-based programs to outlive in employment, higher education and industries in allied and diverse fields.
- PE04: The graduate will be able to demonstrate high professional ethics and strive for lifelong learning while working in a team or as an individual.

## PROGRAM SPECIFIC OUTCOME'S (PSOs)

- PS01: Ability to adapt advancement in Electronics & Communication Technology and render appropriate professional services.
- PS02: Quest to upgrade & contribute towards the solution of recent challenges in Electronics & Communication Engineering with the help of modern tools.



# Department of Electrical Engineering

## Vision

To evolve as a leading program in the field of electrical engineering with exposure to contemporary technologies by encouraging ignited minds for future professional challenges.

## Mission

- ★ Providing interface with the industry, educational organizations and alumni in the field of curriculum development, training for empirical social development & changing needs of society.
- ★ Engaging in effective teaching, learning using ICT, modular programs, exposure to virtual simulating environment.
- ★ Enabling sustainable and cost-effective innovations, showcasing the importance of green energy technology with a focus on efficient energy management system.
- ★ Promoting holistic development among students and faculty by engaging in joint ventures with internationally acclaimed academia & industrial organizations.

## PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

- PE01:      Outrival in employment, higher education, globalized technology services and to be competent entrepreneur.
- PE02:      Communicate conceptual understanding of core Electrical Engineering courses which enable electrical technocrats to analysis, evaluate, and provide intelligent elucidation to meet professional challenges.
- PE03:      Capable to design and implement innovative and cost-effective solutions of complex engineering problems in multidisciplinary environment considering societal and environmental contexts.
- Pe04:      Demonstrate leadership qualities, effective communication skills and Strive for lifelong learning for career enhancement and exhibit high professional ethics.

## PROGRAM SPECIFIC OUTCOME'S (PSOs)

- PS01:      Equipped with applied knowledge of allied domain to integrate and efficiently manage professionally diverse environment.
- PS0 2:      Quest to upgrade and contribute toward the solution of recent challenges in electrical engineering with the help of modern tools.

## SEMINARS & WORKSHOPS ATTENDED BY OUR FACULTY MEMBERS

1. Dr. Mukesh Kumar Rana (Assoc. Prof., CSE Dept.) Industrial & Production Engineering, Dr B R Ambedkar National.

a) Three days Faculty Development Program on “Soft Computing Institute of Technology, Jalandhar held during 14th – 18th August Applications to Design of Intelligent System” from July 18- 20, 2019 at PIET, Samalkha organised by Department of Computer Science & Engineering, PIET, July 18- 20, 2019.

b) One Week Faculty Development Program on “Entrepreneurship & Innovation” from July 08- 13, 2019 at PIET, Samalkha organised by Department of Management Studies, PIET.

c) One day Faculty Development Program on “ Life Skills Program ” on September 22, 2018 at PIET, Samalkha Panipat.

2. Ms. Jaswinder Kour (Asst. Prof., I.T. Dept.), Ms. Diksha Mahajan (Asst. Prof., APSH Dept.), Ms. Palmeet Kour (Asst. Prof.), Poster Presentation on Impact of Artificial Intelligence on Digitalization, International Conference on Recent Advances in Interdisciplinary Sciences, University of Jammu , 11-12TH January, 2019.

3. Dr. Johny Khajuria (Assoc. Prof., ME Dept.)

a) Attended five days workshop STC on "Industrial Engineering: A Paradigm Shift in Manufacturing and Service Industry" held at Dr B R Ambedkar National Institute of Technology, Department of Industrial & Production Engineering in association with Department of Mechanical Engineering, Govt. Women Engineering College Ajmer, Rajasthan from 06 to 10 July 2018, sponsored by TEQIP-III, MHRD.

b) One-week STC on “Industrial Engineering and Future Factory” held at Dr B R Ambedkar National Institute of Technology- Jalandhar, Department of Industrial & Production Engineering from 14th to 18th August 2019 sponsored by TEQIP-III.

## RESEARCH PUBLICATIONS INTERNATIONAL AND NATIONAL

1. Mr. Amrik Singh (Assoc. Prof., CSE Dept.)

- a) "Evaluation of SVM kernels for Health risks Assessment", HELIX- The Scientific Explorer, 2019, ESCI.
- b) "Validation of Machine Learning models for health insurance risk assessment International", Journal of Engineering and Advanced Technology, 2019, Scopus.
- c) "Risk assessment for health insurance using equation ode ling and machine learning, International Journal of knowledge based and intelligent Engineering s tem" 2019, Scopus.

2. Dr. Sanjeev Singh (Assoc. Prof., EE Dept.)

- a) "A survey on software Defined Networking : Architecture for Next Generation Network," Journal of Network and Systems Management, Vol- 25, P P. 321-374, 2017.
- b) "SDOWN: A novel Algorithm and comparative performance Analysis of under lying infrastructure in SDHN" ,Fiber and integrated optics, Vol-38. Issue - 1, pp-1-33, 2019.
- c) "SDOWN: A novel Algorithm for better QOS and experience in software defined optical wireless Network," Optik: International journal of light & Electron optics, Vol.No.-176, pp.662-684,2019

3. Prof. (Dr.) Nitin Langer (Prof., EE Dept.) "Capacitive Voltage Balancing in Neutral Point Clamped Rectifier using Modified Modulation Index Technique Grid", International journal of Computer & Electrical Engineering Volume-70, Page 137-150, August 2018.

4. Dr. Mukesh Kumar Rana (Assoc. Prof., CSE Dept.) "Design of Software Testing Model Based On UML Class and Activity Diagram" International Journal of Engineering and Advanced Technology (IJEAT), Vol. 7, Issue 6, Page No.08-15, August 2018, ISSN No. 2249-8958.

5. Ms. Jaswinder Kour (Asst. Prof., CSE Dept.), "Deep Learning: A Vision for computer", International journal for research in Applied Science and Engineering Technology, Vol.7, Issue XI, November 2019 DOI:10.22214.

6. Ms. Payal Maken (Asst. Prof., CSE Dept.)

- a) "A Study On Various Techniques Involved In Gender Prediction System: A Comprehensive Review", Cybernetics And Information Technologies, Scopus Indexed .Vol. 19, Issue 2 , Pg no. 51-73, 2019.
- b) "A Review of Gender prediction from handwriting using different algorithms" Journal of Applied Science And Computations, 2019.
- c) An Elementary Study on various techniques involved in face Recognition Systems: A Review" , International Journal of Scientific assessment International", Journal of Engineering and Advanced Technology, Research in Computer Science, Engineering and Information Technology c) "Risk assessment for health insurance using equation ode ling and machine

7. Ms. Inderpreet kour (Asst. Prof., EE Dept.)

## RESEARCH PUBLICATIONS INTERNATIONAL AND NATIONAL

"Bubble Power-A new Energy Source."All India Seminar on Renewable Energy. Tech: Perspective and Challenges RETPC-(IEI&BBSBEC).

8. Ms. Marvi Abrol (Asst. Prof., CSE Dept.)

a) "Object detection using faster R-CNN Neural network in a video", Generation Network," Journal of Network and Systems Management, Vol- Proceedings of Applied Mathematics and Computational Science, 2019, UGC 25, PP.321-374, 2017.

b) "Comparative analysis of neural network and fuzzy logic system", under lying infrastructure in SDHN", Fiber and integrated optics, Vol-38. Issue -International conference on Advancement in Engineering sciences (yet to be 1, "SDOWN: A novel Algorithm for better QOS and experience in software

9. Ms. Jaswinder Kour (Asst. Prof., CSE Dept.), Ms. Diksha Mahajan (Asst. defined optical wireless Network," Optik: International journal of light & "A study of web services and its implications, International Journal of Engg. Sciences", March 2018, Vol. 27, ISSN No.0020-7225. "Capacitive Voltage Balancing in Neutral Point Clamped Rectifier using

10. Ms. Sakshini Hangloo (Asst. Prof., CSE Dept.)

Computer & Electrical Engineering Volume-70, Page 137-150, August 2018. of Scientific Research in Computer Science, Engineering and Information Technology (IJSRCSEIT)", 2018, UGC Approved Journal.

11. Ms. Pooja Sharma (Asst. Prof., EE Dept.) "Power flow analysis for IEEE 30 Bus Distribution System," WSEAS TRANSACTIONS on Power Systems, Vol. 13, P.P. 45-59, 2018.

12. Mr. Gagandeep Khajuria & Ms. Pooja Sharma (Asst. Prof., EE Dept.) Energy Scavenging Tress," IJETT, November 2019. Vol. 67, issue 11, No 1 November issue IJETT-67/11p209.

13. Ms. Amrinder kour (Asst. Prof., EE Dept.) "Secure Vault System Using Iris Biometric And PLC Microcontroller", International Journal of Engg. & Technology. (IRJET) Vol-6 issue March, 2019.

14. Mr. Tafheem Ashraf (Asst. Prof., EE Dept.) "Power flow of Radial Distribution System Using BFS Algorithm", International journal of Engg. & Technology, Management & Applied Sciences. Vol-5, 2017 PP 4452-4461, Issue-5 ISSN 2349-4476, May.

15. Mr. Ripu Daman Singh (Asst. Prof., ME Dept.), Dr. Johnny Khajuria (Assoc. Prof., ME Dept.), Mr. Satish Kumar Sharma (Asst. Prof., ME Dept.), "An improved design of tri star wheel trolley to reduce human effort and force to climb stairs with heavy loads.", International Conference on Humanizing work & work environment, NIT Jalandhar, Punjab. 10th Nov 2019.

16. Mr. Satish Kumar Sharma (Asst. Prof., ME Dept.), Dr. Johnny Khajuria (Assoc. Prof., ME Dept.), and Mr. Ripu Daman Singh (Asst. Prof., ME Dept.), "Factors motivating employees in India." International Conference on Humanizing work & work environment, International

## **RESEARCH PUBLICATIONS INTERNATIONAL AND NATIONAL**

Conference on Humanizing work & work environment. NIT Jalandhar, Punjab, 10th November 2019.

17. Dr. Johny Khajuria (Assoc. Prof., ME Dept.), Mr. Satish Kumar Sharma (Asst. Prof., ME Dept.), Mr. Ripu Daman Singh (Asst. Prof., ME Dept.), "Cognizance and willingness to utilize health and safety measures among workers of wood processing firms." International Conference on Humanizing work & work environment. NIT Jalandhar, Punjab. 9th November 2019

18. Dr. Johny Khajuria (Assoc. Prof., ME Dept.) "Investigation of Work-Related Health and Safety Practices in Sports Goods Manufacturing Industries." Journal of Advanced Research in Production and Industrial Engineering. 2018; 5 (1&2):12-16.

19. Mr. Abhijit Saini (Asst. Prof. ME Dept.)

a) "Study the properties of Aluminium Metal matrix composites by Varying Sic: A Review" International conference on Mechanical Engineering and Allied Sciences-2018, SMVDU, Katra, J&K, dated 14-15 sept, 2018, ISBN:9789386240330.

a) "Reverse engineering on crown ring of TATA-1210 truck differential using Autodesk Inventor Professional Software" International conference on Mechanical Engineering and Allied Sciences-2018, SMVDU, Katra, J&K, dated 14-15 sept, 2018, ISBN:9789386240330.

b) "Different fabrication techniques for Al Metal Matrix Composites: A review." International conference on Mechanical Engineering and Allied Sciences-2018, SMVDU, Katra, J&K, 14-15 sept, 2018, ISBN:9789386240330.

c) "Study the effect of different reinforcements for Aluminium Matrix composites" International conference on Mechanical Engineering and Allied Sciences-2018, SMVDU, Katra, J&K, 14-15 sept, 2018, ISBN:9789386240330.

20. Mr. Satish Kumar Sharma (Asst. Prof. ME Dept.)

a) "Preparation and Properties of Al-6061/Fly ash/ZrO<sub>2</sub> metal matrix composites (MMCs) processed by stir casting method." International Journal For Technological Research In Engineering (IJTRE), ISSN(O): 2347-4718, Volume 6, Issue 10, June-2019.

b) "Synthesis and characterization of Al-6061/Fly ash/ZrO<sub>2</sub> metal matrix composites (MMCs) processed by stir casting method." Journal of Emerging Technologies and Innovative Research (JETIR), ISSN:2349-5162, January 2018, Volume 5, Issue 1.

c) "Creep Analysis of a Composite Cylinder- A Literature Review", International Advanced Research Journal in Science, Engineering and Technology (IARJSET), Volume 6, Issue 9, September 2019.

21. Mr. Rahul Sethi (Asst. Prof. ME Dept.)



## **RESEARCH PUBLICATIONS INTERNATIONAL AND NATIONAL**

a) "Paper Titled: Synthesis & Characterization Of Fe-Mo- Baf<sub>2</sub> Self-Lubricating Composites Prepared By Powder Metallurgy" International Conference On Processing & Fabrication Of Advanced Materials-XXVII Organized By Jonkoping University, School Of Engineering, Department Of Materials & Manufacturing, Jonkoping, Sweden.2018-19

b) "Maintenance Management At Teqip- Iiii Sponsored : A Review" International Conference On Mechanical Engineering And Allied Sciences-2018, Smvdu, Katra , J&K , 14-15 Sept ,2018, Isbn:9789386240330.

22. Mr. Natish Patyal (Asst. Prof. ME Dept.)

a) "Aqua Silencer - A Need" National Conference On Renewable Energy And Sustainable Environments : Challenges And Remedies , Crese -2018 SMVDU Katra.

b) "A Combined Study On Lean And Green Manufacturing System To Forecast, Simulate And Optimise For Energy Efficient Production." National Conference On Renewable Energy And Sustainable Environments : Challenges And Remedies Crese -2018 Smvdu Katra.

c) "Study The Properties Of Aluminium Metal Matrix Composites By Varying Sic: A Review" International Conference On Mechanical Engineering And Allied Sciences-2018, Smvdu Katra , J&K, Dated 14-15 sept , 2018, Isbn:9789386240330.

d) Different Fabrication Techniques For Al Metal Matrix Composites: A Review." International Conference On Mechanical Engineering And Allied Sciences-2018 Smvdu Katra 14-15 sept ,2018, Isbn:9789386240330.

e) "Study The Effect Of Different Reinforcements For Aluminium Matrix Composites" International Conference On Mechanical Engineering And Allied Sciences-2018, Smvdu Katra 14-15 sept ,2018, Isbn:9789386240330.



# DEPARTMENTS



# Achievements



## ★ Mr.Pankaj Malhotra

1. Honoured by honourable Governor Sh Satya Pal Malik on the eve of Republic Day 2019 at Rajbhawan Jammu.
2. Awarded with VEER JIJABHAI SAMMAN by Sh.Chetan Chauhan (Sports Minister (U.P)), EX cricketer on 11 November 2019.

3. Ranked Top 3 Famous Kho-Kho player of India in 2019.

- ★ 7th Semester students Bhupat Singh, Jeevanjot Singh and Davinder Singh of CSE department sponsored to GMC Jammu for data collection, research based project on “Diagnosis of Thyroid Disease using Machine Learning”.

## Chandeep Singh

1. State Award for outstanding player of year
2. 8th World Para-TAEKWONDO Champion-ship (Silver Medal)
3. BRAND AMBASSADOR for election commission of JAMMU
4. 4th Asian Para-TAEKWONDO Champion-ship (Gold-medal & Bronze -medal)
5. Kimyong cuo Korea (Two Gold Medal)
6. National Gold Medalist in TAEKWONDO





# Industrial Visit



**Industrial Visit to 30 MDL  
Sewerage Treatment Plant  
Organised by Mechanical Eng.  
Dept.**

**MBSCET Organizes Industrial  
visit to Cadila Pharmaceuticals  
Ltd. Samba, Jammu.**



**Mahant Bachittar Singh College of  
Engineering and Technology  
(MBSCET) Jammu organized  
industrial visit for the students of  
7th semester, Electrical  
Engineering Department at Salal  
Power Station Reasi, which is first  
hydropower project of the J&K  
state and was commissioned in**

**1996 on the Chenab River by National Hydroelectric Power Corporation  
(NHPC).**

# CAMPUS ACTIVITIES

## **Seminar on Recent Advances in Industrial Engineering**



The Department of Mechanical Engineering of M.B.S.C.E.T organised a Seminar on 'Recent Advances in Industrial Engineering'. Dr. Sanjay Mohan Sharma, Assistant Prof SMVDU, Katra was the Resource Person, who discussed the importance of increase in productivity and ways to decrease manufacturing cost.

## **Two-Day Workshop on Bluetooth Robotics with Android.**





# AaRohan 2019



# INDUCTION WEEK

**Mahant Bachittar Singh College of Engineering & Technology, Babliana, Jammu organised an impressive "Induction Programme" for the students of B.E.2019-Batch on 27th August 2019. The induction program for newly admitted students was conducted in line with the AICTE Induction program policy. It was planned keeping in view the overall personality development of students. The duration of induction programme was 17 days.**

**The mega Event was inaugurated by Mahant Manjit Singh ji (Sole Trustee) by lighting of lamp, in presence of Chairman, MBSCET Prof. (Dr.) Amar Singh Sudan, S. Lakhbir Singh Bawa (Advisor) and other dignitaries.**

**On the first day the students were formally welcomed by Prof. (Dr.) D.S. Pundhir, Principal-MBSCET, followed by presentation of Mr. Amrik Singh (Vice-Principal), Mr. Parveen Singh (Dean Academics), Chairman and Sole Trustee, MBSCET.**

**In this address, Mahant Manjit Singh shared his views and plans for further improvement of the institute. He also showered his blessings to the newly admitted students and wished for their bright future.**

**Prof. (Dr.) Amar Singh Sudan, Chairman of the college gave emphasis on importance of Science & Technology and advised the students to work hard to achieve their goals.**

**Prof. (Dr.) D.S. Pundhir highlighted the importance of B.E course, with an advice to the students to be sincere, disciplined and meticulous in their studies to gain professionalism in their future career.**

**The first day programme concluded with interaction of parents and the faculty members of APSH dept.**

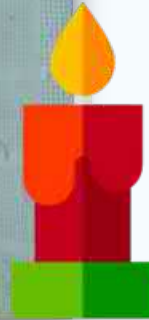
**The 17 days Orientation Program included departmental visit, Plantation drive, motivational seminars, yoga sessions, motivational lectures and seminar by eminent people, workshop on personality development, laughter club, workshop on skill development etc. The orientation period was also used for rectifying critical lacunas that students might have. Therefore basic of English, chemistry, physics, maths were conducted.**



# INDUCTION WEEK



Lighting of traditional Lamp by dignitaries.



One Week "Yoga Session".



One Day "Laughter Club Workshop" by Mr. Harish Chabra.



## **MBS College of Engineering & Technology Conducted Plantation Drive**

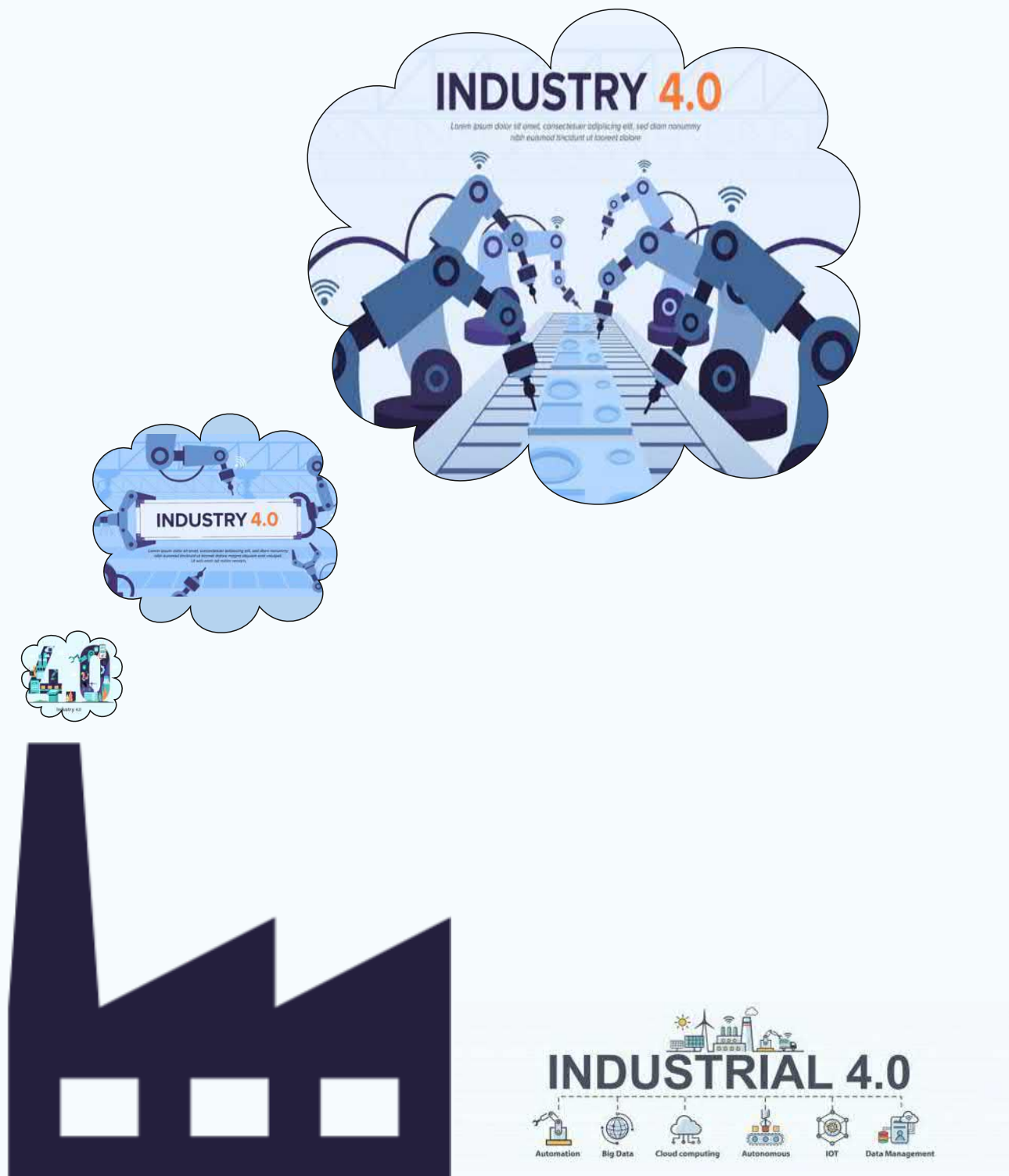


**Workshop on "Meeting Challenges of Accreditation by NBA" held on 13th to 15th September, 2019 by Equate India, New Delhi.**



**Two Days WorkShop on  
Corporate Employability  
Program by Winnovation  
Education Services Pvt. Ltd.**

**One-week faculty development program on “Industry 4.0 Capacity Building (India-14-01)” organized by Mahant Bachittar Singh College of Engineering and Technology, Jammu, J&K in association with Cantier Systems Pte. Ltd. From 03rd to 07th March, 2019.**





## E. E DEP. WORKSHOPS

## C. S DEPT. WORKSHOPS

S.NO.	EVENTNAME	SOURCEPERSON ORGANISATION	STUDENT COORDINATORS	DURATION	NO.OF PARTICIPANTS	DAYS
1.	Workshop on Placement Preparedness	Mr. Rakesh Bhatia Gurgram, Co-founder innovative learning solution, New Delhi	Rabia Iqbal Roll No. 170/16 (EE)	30-09-19	11	02
2.	Startup Weekend Program	Indian Army in TBIC at SMVDU Katra (J&K)	Abisha Angral Roll No. 169/16 (EE)	20-09-19	04	03
3.	Seminar on "Traffic Awareness Programme"	Mr. M.L. Kaith, S.S.P Traffic (Rural), Jammu	Faiqa Shah Roll No. 90/18 (EE)	07-09-19	02	01
4.	Seminars on Stress & Time Management, Drug Abuse	Mrs Heena Jamwal, President Rotary Club, Jammu	Imtiyas Hussain Roll No. 305/16 (EE)	28-08-19	05	01
5.	Blood Donation Camp	Organized by the Institute to Guru Nanak Langar Mission, Jammu	Harmeet Singh Roll No. 315/16 (EE) Imtiyas Hussain Roll No. 305/16 (EE)	11-11-2019	02	01
6.	Workshop on Android Robotics by (TIMTS)	Times Institute of Management and Technical Studies, Jammu (TIMTS)	Faisal Ashraf Khan Roll No. 229/16 (EE)	06-05-19	07	01
7.	Aarohan 2K19 (Techno-Cultural Fest)	Department of EE/MBSCET Jammu	Kartik Gupta 291/16 (EE), Gourav Badhoria 211/16 (EE)	01-04-19	05	02

S.NO.	EVENTNAME	SOURCEPERSON ORGANISATION	COORDINATORS	DURATION	DAYS
1.	Workshop on Placement Preparedness	Mr. Rakesh Bhatia Gurgram, Co-founder innovative learning solution, New Delhi	Mr. Ravinder Kumar (T&P Officer)	30-09-19	02
2.	Seminar on "Traffic Awareness Programme"	Mr. M.L. Kaith, S.S.P Traffic (Rural), Jammu	Mr. Ravinder Kumar (T&P Officer)	07-09-19	01
3.	Seminars on Stress & Time Management, Drug Abuse	Mrs Heena Jamwal, President Rotary Club, Jammu	Dr. Upasana Sharma. Asst. Prof.	28-08-19	01
4.	Seminar on Python	Mr. Naveen Sharma, Director Jetking, Jammu.	Vashundra Jamwal (191/17) Kanika Malgotra (220/17)	10-05-19	01
5.	Aarohan 2K19 (Techno-Cultural Fest)	Department of CSE / MBSCET Jammu	Gursimran Kour (49/17) Riya Gupta (141/17)	01-04-19	02
6.	Seminar on Advanced Data analysis and Mining	Prof. Ajit Singh Kumaon Institute of Technology, Dwarahat.	Sidham Kour (23/17) Mahima Gupta (90/17)	18-02-19	01

S. NO.	EVENT NAME	SOURCE PERSON / ORGANISATION	COORDINATORS	DURATION	NO.OF PARTICIPANTS	DAYS
1	Expert Talk on "Employability 2030"	Ms. Shymlee Mukerjee, University of Petroleum & Energy Studies, Dehradun	T&P Officer	03-03-20	12	01
2	Workshop on Placement Preparedness	Mr. Rakesh Bhatia Gurgram, Co-founder innovative learning solution, New Delhi	T&P Officer	30-09-19	11	02
3	Start up Weekend Program	Indian Army in TBIC at SMVDU Katra (J&K)	T&P Officer	20-09-19	04	03
4	Seminar on "Traffic Awareness Programme"	Mr. M.L. Kaith, S.S.P Traffic (Rural), Jammu	T&P Officer	07-09-19	02	01
5	Workshop on Android Robotics by (TIMTS)	Times Institute of Management and Technical Studies, Jammu (TIMTS)	T&P Officer	06-05-19	07	01



Director, CAD Point, Navjot Singh posing with faculty members of MBSCET.

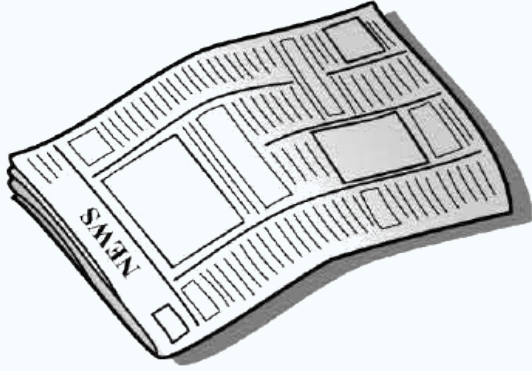
### MBSCET holds workshop on 'Auto CAD and 3D Printing'

**Excelsior Correspondent**  
JAMMU, May 21: The Department of Mechanical Engineering of Mahant Bachittar Singh College of Engineering and Technology (MBSCET) organized two-day workshop on "Auto CAD and 3D Printing" in college premises. The workshop was organized in collaboration with CAD Point Engineering Solution Private Limited, Jammu Centre. Around 54 students from different disciplines of engineering along with faculty members of Mechanical Engineering and other departments attended the workshop. Navjot Singh, Director, CAD Point J&K was the resource person. He explained in detail the basics of Auto CAD, and its applications in 3D printing and mechatronics, in


his interactive sessions. Prof. Patveen Singh, Dean (Academics) emphasized on innovative thinking during his address while Prof (Dr) A S Sudan, Chairman, MBSCET discussed the importance of Auto CAD for engineers. Prof Sudan also explained that 3D with Auto CAD has made the engineers easy to visualize the working of machines and its analysis. Earlier, Harinder Pal Singh, Assistant Professor presented the welcome address. Other dignitaries present were Prof (Dr) Anjam Kumar, Principal MBSCET, Prof Amrik Singh (Vice Principal) and H S Gail (DSW).






### MBSCET organises seminar on 'Recent Advances in Industrial Engineering'

**■ STATE TIMES NEWS**  
JAMMU: The Department of Mechanical Engineering of Mahant Bachittar Singh College of Engineering and Technology (MBSCET) on Thursday organised a seminar on 'Recent Advances in Industrial Engineering'. Harinder Pal Singh, Assistant Professor presented the welcome address. Principal MBSCET, Prof Anjam Kumar appreciated the department for organising such seminar so that students may have an exposure and vision of advances in the field of technology. Prof (Dr) A.S Sudan, Chairman, MBSCET, discussed the values of upcoming branch of Industrial Engineering and its future. Dr Satguy Mohan Sharma, Assistant Prof SMVDU, Katra was the Resource Person, who discussed the importance of increase in productivity and ways to decrease manufacturing cost. Around 200 students of Mechanical Department and faculty members were present during the session. Johnny Khajuria, HoD Mechanical Engineering Department presented the vote of thanks.



# Academic Achievement in University Examination TOPPERS (8th Semester - Batch 2015)

				
<b>1<sup>st</sup> Position</b>	<b>2<sup>nd</sup> Position</b>	<b>2<sup>nd</sup> Position</b>	<b>5<sup>th</sup> Position</b>	<b>5<sup>th</sup> Position</b>
Anmol Kumar	Vikram Makker	Dushyant Kesar	Roshan Singh Sambyal	Karamdeep Kour
Roll No:0795/15	Roll No: 0794/15	Roll No:0809/15	Roll No:0886/15	Roll No:0762/15
Branch: Mechanical	Branch: Mechanical	Branch: Mechanical	Branch: Mechanical	Branch: Electrical
Marks : 915/1000	Marks : 907/1000	Marks : 907/1000	Marks : 886/1000	Marks :886/1000

				
<b>5<sup>th</sup> Position</b>	<b>6<sup>th</sup> Position</b>	<b>7<sup>th</sup> Position</b>	<b>8<sup>th</sup> Position</b>	<b>9<sup>th</sup> Position</b>
Sushant Khajuria	Nav Mahajan	Aadhishwar Arora	Siddarath Paul Singh	Zuhaib Ahmad Akhoon
Roll No:0849/15	Roll No:0838/15	Roll No: 0802/15	Roll No:0811/15	Roll No:0625/15
Branch: Mechanical	Branch: Mechanical	Branch: Mechanical	Branch: Mechanical	Branch: IT
Marks : 886/1000	Marks : 885/1000	Marks :876/1000	Marks :874/1000	Marks : 872/1000



# Students Achievements

- ★ Students Achievements in 3rd Semester University Exams
- ★ Kanika Mahajan(3rd Position) EE
- ★ Simran Mahajan (6th Position) EE
- ★ Student achievements in 4th semester university exams
- ★ Kanika mahajan second position EE
- ★ Student achievements in 5th semester university examination
- ★ Kamardeep kour 7th position EE
- ★ Student achievements in 6th semester university examination
- ★ Vinayak Sharma first position EE
- ★ Jasmeet Kour 2nd Position Cse
- ★ Shivangi 2nd position Cse
- ★ Student achievements in 8th semester university examination
- ★ Alisha Gupta fourth position EE



RASHLEEN KOUR  
Roll No: 640/15  
Branch: CSE  
Marks: 857/1000

## One day seminar on "Preventive Maintenance and Safety Measures in Industry"



The ME department has successfully organized one day seminar on "Preventive Maintenance and Safety Measures in Industry" by Er. Inderpal Singh on

16/10/19. The resource person is interacted with 5th and 7th semester students regarding topic "Preventive Maintenance and Safety Measures in Industry. Seminar is focused on how a production engineer can prevent failure of machinery in production line timely and what precautionary measure would be taken for the safety of employees. The seminar was followed by question answer session in which active participation of students is appreciated by the resource person.



# PLACEMENTS OF 2019 SESSION



## SS Teleservices, Kurukshetra

S. No.	Name	Branch
1.	Gourav Badhoria	EE
2.	Iiyas Bashir	EE
3.	Davinder Singh	CSE
4.	Farhaal Bhasu	CSE
5.	Amandeep Kour	CSE

## RAPS iTech, Chandigarh

S. No.	Name	Branch
1.	Barat Raina	IT
2.	Saksham Gupta	IT
3.	Harman Singh	CSE

## Pie Infocomm Pvt. Ltd., Lucknow

S. No.	Name	Branch	S. No.	Name	Branch
1.	Gagandeep Singh	EE	10.	Simranjeet Kour	ECE
2.	Ahivam Mahajan	EE	11.	Sanamdeep Singh	ECE
3.	Areeha Malik	EE	12.	Paramdeep Singh	IT
4.	Pankaj Raina	EE	13.	Surasha Sher	IT
5.	Sameer Sharma	ME	14.	Abruee Jan	IT
6.	Nav Mahajan	ME	15.	Vaishalini Singh Jamwal	CSE
7.	Apurva Mangotra	ME	16.	Avneet Kour	CSE
8.	Navjot Singh	ME	17.	Annie Kaur	CSE
9.	Akansha Sharma	ECE			

## Translab Technologies Pvt. Ltd., Jammu

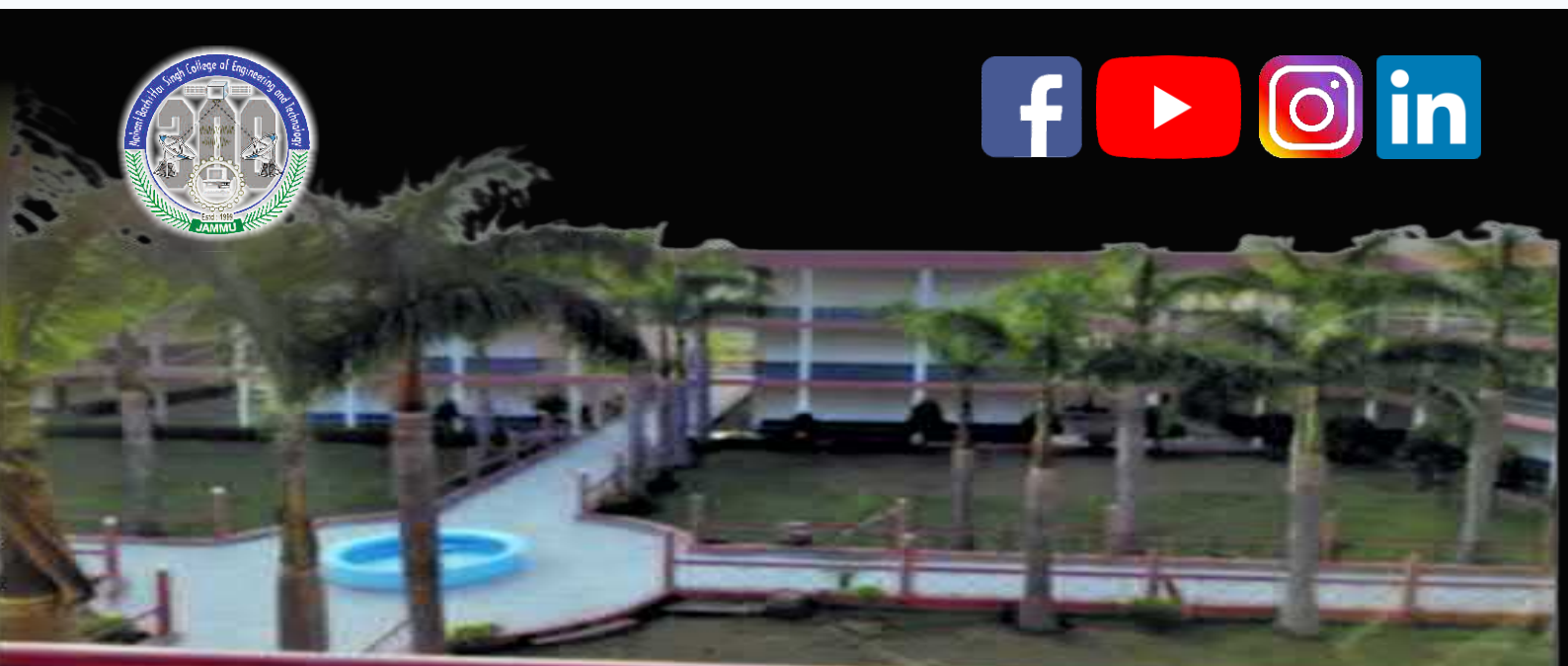
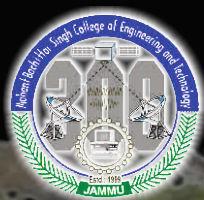
S. No.	Name	Branch	S. No.	Name	Branch
1.	Satyam Sethi	IT	7.	Vaishalini Singh Jamwal	CSE
2.	Novijoth Singh	IT	8.	Avneet Kour	CSE
3.	Ritesh Kumar	IT	9.	Harpreet Kour	CSE
4.	Deepak Choudhary	IT	10.	Sakshi Kundal	CSE
5.	Zuhaib Ahmad	IT	11.	Gurjot Kour	CSE
6.	Jagatpal Singh	IT			

## Cease Fire Industries, Delh

S. No.	Name	Branch
1.	Kanika Mahajan	EE

## Piri, AI

S. No.	Name	Branch
1	Tranjot Singh	CSE



# **Mahant Bachittar Singh**

**College of Engineering & Technology**

**A Constituent of Sant Manjit Singh Trust**

(Approved by AICTE, Govt. of J&K & Affiliated to University of Jammu)

**Patron : Prof. (Dr.) D.S. Pundhir**  
**Editorial Board: Ms. Jasmine Kaur**

**Ms. Diksha Mahajan**

**Ms. Simranjeet Kour**

**Student Coordinator:**

**Apurva Magotra (212/16)-ME, Harpreet Kour (702/17)-EE, Rashleen Kour (79/15)-CSE, Harshleen Kour (05/17)-ECE, Tavleen Singh (27/17)-IT**

**Design & Layout :**

**By Harshvir Singh Johar-CSE**

**under the guidance of**

**Ms. Simranjeet Kour-APSH**

**Jeevan Nagar Road, Babliana, P.O. Miran  
Sahib, Jammu, J&K State 181101**



