

(Approved by AICTE & Affiliated to AKTU Lucknow)

BICHPURI, AGRA

FOUNDER OF THE INSTITUTE



HON'BLE RAJA BALWANT SINGH JI (1853-1909)

Late Raja Balwant Singh Ji, of Awagarh Estate, CIE (1853-1909) was a noted zamindar and philanthropist from Awagarh. He was noted for his philanthropy in the field of education. He purchased land and started Rajput High School in 1885 at Agra with a donation of Rs. 12 lakh. This institution has now grown into Raja Balwant Singh College (former B.R. College Agra), The biggest college in Asia Pacific in terms of area and disciples taught. He made a further endowment of Rs. 9,30,000 for the college before his demise in the year 1909. He also donated more than 100 acres in Agra for agriculture known as Khandari Farm. Raja Balwant Singh Ji was a close friend and associate of Madan Mohan Malviya Ji. In 1898, he was party to the delegation led by Malviyaji along with Maharaja Pratap Narayan Singh of Ayodhya, Raja Ramprasad Singh of Mandu, Sri Krishna Joshi, Dr. Sunder lal to Sir Antony McDonald, then deputy Viceroy requesting for inclusion of Hindi or Nagri script as one of the working languages in courts and government documents. It was due to their efforts Hindi was added as one of the working languages in government documents and courts. He along with Thakur Umarao Singh ji of Kotla, Raja Uday Pratap Singh of Bhinga was instrumental in founding of Akhil Bharatiya Kshatriya Mahasabha in year 1897 and also presided over the Mahasabha for year 1897.

RAJA BALWANT SINGH ENGINEERING TECHNICAL CAMPUS

BICHPURI (AGRA)

"SRAJAN"

ANNUAL COLLEGE MAGAZINE

SESSION: 2019-20



PATRONS

Raja Anirudh Pal Singh Ji

Vice President, Balwant Educational Society, Agra Chairman, Governing Council

Yuvraj Ambareesh Pal Singh Ji

Secretary, Balwant Educational Society, Agra Observer, R.B.S Engineering Technical Campus



ADVISORY BOARD

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STUDENT EDITORS

- 1. Samriddhi Mittal (B.Tech III year, Food Technology)
- 2. Siddarth Pathak (B.Tech III year, Computer Science & Engineering)

ABOUT THE INSTITUTE

Raja Balwant Singh Engineering Technical Campus, Bichpuri, Agra is a well-known and established name in the field of Technical Education. It comprises of the Faculty of Engineering and Technology and Faculty of Pharmacy. It is involved in imparting education in B.Tech, M.Tech and B.Pharm courses. It is governed by Balwant Educational Society chaired by District and Sessions Judge, Agra as the President and Raja Anirudh Pal Singh Ji of the royal family of Awagarh as the Vice President. The credit for the same goes to Late Raja Balwant Singh Ji, the erstwhile ruler of Awagarh Estate known for his vision and commitment for the spread of education, way back in 1885.

The Faculty of Engineering and Technology was started in the year 1996 with three branches of engineering viz. Computer Science & Engineering, Electronics & Communication Engineering and Food Technology. The branch of Chemical Engineering was added in the year 1999. In the year 2004, two more branches of Biotechnology and Mechanical Engineering were added. In the year 2006, M.Tech course in Food Technology was added with an intake of 18 Seats. The Faculty of Pharmacy & Faculty of Architecture and Town Planning were added from the Academic Session 2011 -12 for the B.Pharm and B.Arch. courses. B.Tech course in Electrical Engineering, Civil Engineering and M.Tech course in Electronics & Communication Engineering were added in the academic session 2012-13. M.Tech Course in Bio-technology and Computer Science & Engineering were added in the academic session 2014-15.

All these courses are approved by AICTE and are affiliated to Dr. A.P.J. Abdul Kalam Technical University, Lucknow (College code-004). The B.Pharm course is approved by Pharmacy Council of India (Code -1122) and B.Arch Course is approved by council of Architecture.

FEATURES

- Affiliated to AKTU & Approved by AICTE, PCI & CoA.
- State-of-the-art fully equipped laboratories, library, classrooms, sports and medical facilities.
- The institute has a well-established training & Placement cell.
- Separate hostel facility for boys and girls within the campus with all necessary amenities.
- For the Transport facility, institute has its own fleet of buses.
- The institute has a fully furnished air-conditioned guest house for visitors and guardians.
- The institute has centrally A.C auditorium for extracurricular activities and conferences.
- Well-furnished conference hall for meetings, placement activities and workshops.
- Remote centre of IIT Mumbai for the Faculty Development Programs.
- MoU signed with well-known organizations and statutory bodies.
- Conduction of NPTEL online certification courses.



Mission

To maintain high academic and ethical standards in the field of Professional and Vocational education and to continuously improve upon the quality of teaching and learning process with a student- centric approach aimed to develop their intellect and overall personality and to prepare them as worthy professionals.

Vision

To keep abreast with the latest developments in education, especially the professional education with focus on awareness, learning, research and development so as to help develop well informed technocrats.

Our Objectives

To impart quality technical education in Engineering & Technology, Pharmacy & Architecture.

- To nurture the innovation and creativity of students.
- To foster the spirit of entrepreneurship amongst the students.
- To connect with the leading institutions and organizations to improve upon the academics.
- To develop competence to meet the challenge of rapidly changing technological environment.
- To strengthen relations with the alumni and involve them in the development of the institute.
- To transfer the benefits of research and technological advancement to the society.
- To develop synergistic partnership with the industries.
- To promote all round development of students and create a sense of social responsibility in them.

Anandiben Patel Governor, Uttar Pradesh





Raj Bhavan Lucknow - 226 027

27 August, 2020

Message

I am indeed happy to learn Raja Balwant Singh Engineering Technical Campus, Bichpuri, Agra is going to release its annual college E-magazine 'Srajan' on 21st September, 2020.

College magazine is a platform for students to express their thoughts, aspirations, experiences and impressions. I congratulate the college for encouraging creativity and freedom of expression. I am sure that present edition will succeed in bringing forth the hidden talent and activities of the students.

I extend my best wishes for the successful publication of the magazine.

Anandi Bater (Anandiben Patel)

Telephone : 0522-2236497 Fax : 0522-2239488 Email : hgovup@nic.in Website : www.upgovernor.gov.in



डॉ० दिनेश शर्मा

उप मुख्यमंत्री उत्तर प्रदेश 99-100, विधान भवन, लखनऊ दिनांक: 31-08 -2020



मुझे यह जानकर हार्दिक प्रसन्नता हो रही है कि राजा बलवन्त सिंह इंजीनियरिंग कैम्पस, विचपुरी आगरा द्वारा अपनी वार्षिक पत्रिका ''सूजन-2020'' का प्रकाशन करने जा रहा है।

शिक्षण संस्थानों का दायित्व है कि वे निर्धारित पाठ्यक्रमों के साथ-साथ विद्यार्थियों को भारतीय संस्कृति के उदात्त मूल्यों द्वारा संस्कारित करें, जिससे वह देश प्रेम, अनुशासन, सद्भाव, सेवा, त्याग आदि गुणों से परिपूर्ण नागरिक बन सके।

मुझे विश्वास है कि पत्रिका में तकनीकी शिक्षा से सम्बन्धित पठनीय सामग्री एवं विद्यालय के विद्यार्थियो तथा शिक्षकों की रचनात्मक उपलब्धियों का समावेश होगा।

''सृजन'' के सफल प्रकाशन हेतु कृपया मेरी शुभकामनाएं स्वीकार करें।

दिनेश शमी) (ভাঁ০

डॉ0 प्रतिमा, सम्पादक-सृजन-2020 आर0बी0एस0 इंजीनियरिंग कैम्पस विचपुरी, आगरा।



प्रो. धीरेन्द्र पाल सिंह अध्यक्ष Prof. D. P. Singh

Chairman



विश्वविद्यालय अनुदान आयोग University Grants Commission

(मानव संसाधन विकास मंत्रालय, भारत सरकार) (Ministry of Human Resource Development, Govt. of India)

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MESSAGE

I am pleased to know that Raja Balwant Singh Engineering Technical Campus, Bichpuri, Agra is planning to release its annual college magazine "*SRAJAN- 2020*" on 21st September, 2020 on the occasion of the birth anniversary of its founder late Raja Balwant Singh Ji, a noted Zamindar and philanthropist from Awagarh known for his instrumental role in the field of Education way back in 1885.

Publication of college magazine is one of the important academic activities of the college as it provides a platform for students to express their thoughts, aspirations, experiences and impressions. I am sure that the present edition will succeed in bringing forth the hidden talent and creativity of the students. I am sure that the magazine will be informative and resourceful.

I extend my best wishes to the Principal, college administration, management and editorial board in bringing out the present issue of the college magazine and wish the students and the staff all the very best.

(Prof. D.P. Singh)

25th August, 2020

प्रो0 विनय कुमार पाठक कुलपति Prof. Vinay Kumar Pathak Vice-Chancellor



डॉ० ए०पी०जे० अब्दुल कलाम प्राविधिक विश्वविद्यालय उत्तर प्रवेश, लखनऊ Dr. A.P.J. ABDUL KALAM TECHNICAL UNIVERSITY Uttar Pradesh, Lucknow

Dated: 25 August 2020



MESSAGE

I am delighted to know that Raja Balwant Singh Engineering Technical Campus, Bichpuri, Agra, is bringing out the next edition of the college magazine "SRAJAN 2020".

Raja Balwant Singh Engineering Technical Campus is one of the renowned institutions of Agra region in the field of Technical Education. The institute is a part of the historic R. B. S. College, Agra, founded in 1885 with the vision of Late Raja Balwant Singh ji of Awagarh Estate who is widely known for his significant contribution in the field of Education. The institute is dedicated to the cause of the students and their all round development.

The main objective of this magazine is to motivate the students to disseminate useful and innovative thoughts. No doubt this endeavour will bring out an array of artistic and scientific expression with distinct individual signature. Meanwhile the magazine will cover the important highlights and events of the college from humble beginning in 1885 to till date covering a long span of yeoman service to the community and the country.

I do appreciate and applaud the editorial team for the successful completion of this task of putting together the hybrid thoughts and dreams of students and faculties a meaningful and delightful visual fest called "SRAJAN-2020".

I offer my congratulations to the institute for the efforts in providing opportunities to the students in varied aspects and in their all round holistic development.

(Prof. Vinay Kumar Pathak) Vice-Chancellor

BALWANT EDUCATIONAL SOCIETY, AGRA

(Regd. Societies Registration Act, 1860) (Registration No. 25/1960-61, Dt. 12.04.1960)

Raja Anirudh Pal Singh Vice-President

Management Faculty Campus Khandari Farm, Civil Lines AGRA-282 002

Office :



<u>MESSAGE</u>

It is giving me immense pleasure to know that Raja Balwant Singh Engineering Technical Campus, Bichpuri Agra is going to publish its annual college magazine 'SRAJAN'.

The students' magazine is the mirror of the innate creativity of the students in the field of literature and fine arts which are as much essential to a student as the regular curriculum. The articles in the magazine reveal the wisdom, enthusiasm and knowledge of the students to the fullest. I am sure that 'Srajan-2020' will enable us to know the hidden talents among the students brought out through their articles.

It is again a matter of pride to note that this year the institute is celebrating its silver jubilee. The completion of twenty five years is indeed a major milestone in the life of an educational institute. Since its foundation in 1996, the institute has earned very considerable appreciation in the field of Technical Education.

In this era of Globalization of education the obvious focus is on the quality of education. There is no single yardstick of quality. A good educational institution strives continuously for sustenance and enhancement of quality in every field of its activity. I hope that the institute is constantly taking good efforts in this regard and nurturing juvenile minds and preparing them for challenges in today's globalised technology. My best wishes to the college magazine and to the editorial committee and to the team of writers to make this magazine a success.

I wish the magazine every success and hope that the college will continue its path of success in future also.

(Raja Anirudh Pal Singh) Vice-President Balwant Education Society, Agra

RAJA BALWANT SINGH ENGINEERING TECHNICAL CAMPUS

(Formerly Faculty of Engineering & Technology, R.B.S. College, Bichpuri, Agra) BICHPURI, AGRA-283 105

Yuvraj Ambareesh Pal Singh

Observer

- 1. Faculty of Engineering & Technology
- 2. Faculty of Architecture & Town Planning
- 3. Faculty of Pharmacy



Address :

Office of the Balwant Educational Society Khandari Farm, Agra-282002



<u>MESSAGE</u>

It is heartening to know that Raja Balwant Singh Engineering Technical Campus, Bichpuri Agra is bringing out the next edition of its annual college E-Magazine 'Srajan'. I congratulate the college for encouraging creativity and freedom of expression.

The magazine shall be a reflection of the current events and activities in the field of engineering and also a platform to showcase the artistic talents of the students. It will encourage the budding students to display their hidden talent and to bring forth their creativity and artistic turn of mind.

The foundation of every nation is the 'quality education' to its youth. The aim of education should not be only to impart information to the students and to make them degree holders but it should be character and nation building. The education should be progressive and modern & should inculcate spiritual and moral values among the students.

I sincerely hope that our college is a right abode of learning for all our students where they will cherish the goal of becoming successful engineers, pharmacist and architects & will contribute significantly towards the development of our nation as good citizens.

I take this opportunity to congratulate the directors, faculty members and all the students for the institute's glorious journey of 25 years.

I once again extend my best wishes to 'SRAJAN-2020' and laud the editorial board and the students for their hard work and commitment in bringing out this edition.

Yuvraj Ambareesh Pal Singh Observer

RAJA BALWANT SINGH ENGINEERING TECHNICAL CAMPUS

BICHPURI, AGRA-283 105

Prof. B.S. Kushwah DIRECTOR



(ISO 9001 : 2000 Certified) Phone : 0562-2636675 Fax : 0562-2636718 Website : www.fetrbs.org E-mail : tu04@rediffmail.com



<u>MESSAGE</u>

I am happy to know that Raja Balwant Singh Technical Campus, Bichpuri, Agra's annual college magazine 'Srajan' is coming out with its next issue. The magazine highlights the artistic and literary talents of the students and faculty in addition to the institute's achievements and other extra-curricular activities.

It is a matter of pride to note that our institute is also celebrating 25 years of its glorious journey. The 25th Anniversary of the institute is both an occasion for thanks giving and commitment to face the new challenges. My heart is filled with immense pleasure as I perceive the progress being made by our institute during this span. The college has grown abundantly in the recent past and moving forward confidently with its state of art infrastructure.

The magazine is presenting a glimpse of the growth of the institution on many fronts. It will bring to light the hidden talents of budding engineers. The magazine has recorded many achievements in the field of academics, placement, innovations, sports, extracurricular activities etc.

Through this magazine, I wish to extend an affectionate welcome to our beloved students and wish that our students will grow up as an asset to the society and the nation.

I offer my sincerest praise to all the contributors, and heartiest congratulations to the editorial board for shelving their valuable time, without whose efforts the magazine wouldn't have made it to our hands. I wish the readers a delightful reading.

Prof. B.S.Kushwah Director

RAJA BALWANT SINGH ENGINEERING TECHNICAL CAMPUS

BICHPURI, AGRA-283 105

Prof. Pankaj Gupta

DIRECTOR (Administration & Finance)

(ISO 9001 : 2000 Certified) Phone : 0562-2636675 Fax : 0562-2636718 Website : www.fetrbs.org E-mail : tu04@rediffmail.com



<u>MESSAGE</u>

I am greatly ecstatic to know that the new edition of the institute annual magazine "SRAJAN" will be very shortly in the hand of the readers. 'Srajan' is a fresh blend of a new work ethic, which combines vigour with creativity, passion with respect.

The annual college magazine is a window to the literary and the artistic creativity of the students, and an insight for me into the extra-curricular activities of the students. Apart from the glimpses of RBSETC community's writing dexterity, the magazine portrays the experience of observation, learning and fabrication.

I extend my warm greetings and felicitations to all the students Raja Balwant Singh Engineering Technical Campus, Bichpuri Agra through this magazine and salute the creativity and aesthetic sensibilities of the young writers.

Our institute has a reputation of excellence in the field of Technical Education and we are committed towards improving ourselves to bring out the best for the welfare our institute and the growth of our students.

Hearty congratulations and best wishes to the present edition of 'Srajan'.

I am very happy to convey my congratulations and best wishes to all the students and faculty for completing 25 successful years of its establishment this year. I look forward to your continued help and support in many more years to come.

Prof. Pankaj Gupta DIRECTOR (Administration & Finance)

RAJA BALWANT SINGH ENGINEERING TECHNICAL CAMPUS

(Formerly Faculty of Engineering & Technology, R.B.S. College, Bichpuri, Agra)

BICHPURI, AGRA-283 105

1. Faculty of Engineering & Technology

2. Faculty of Pharmacy



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<u>MESSAGE</u>

It is a feeling of immense pride and joy to witness the literary culture of our institution unfold through the latest edition of our annual institute magazine 'SRAJAN'.

The Institute magazine "SRAJAN" is a platform where the students display their literary talents and pen down their creative thoughts. It is really nice to see the students extracting time from their strenuous academic schedule to explore the unknown facets of their mind that reflects sheer intellect.

The magazine provides an exposure for the wide spectrum of literary and artistic talents of the students. I believe that the magazine will reveal the projects, activities, achievements of the students along with their literacy zeal. The varied contributions in the magazine enable the readers to have a glimpse of the institute activities and the grooming of these future professionals.

I offer my heartiest congratulations as this year also marks the Silver Jubilee year of the establishment of our institution. Completion of twenty five years is indeed a major milestone in the life of an educational institution. Since its foundation in 1996, our institute has earned vey considerable appreciation for providing value based education and we shall be collectively trying to take this to newer heights of progress and achievements, in the times to come.

I congratulate the editorial board and all the contributors for their sincere efforts which have helped us to release yet another commendable edition of 'SRAJAN' and I am sure, that all would enjoy reading it.

Prof. Apoorva Behari Lal Convenor



From the Editor's desk

It takes me immense pleasure in presenting to you the present edition of our annual college magazine; 'SRAJAN-2020'. 'Srajan' is not just a magazine. It is a thread that binds the student community of RBSETC, Bichprui, Agra.

We as educators have a great onus towards the society. We realize that greatest contribution one can make towards society is to prepare the youth to be honest, excellent professionals and upright visionaries to survive in this complex and challenging global environment.

Written words have great power in them as they connect people beyond time and countries. They provide an outlet for all of us to find the essence of our being. It is through writing that our fears, conflicts, cravings, resentments are unlocked and our dreams and aspirations are realized.

There are more poets and writers on campus, than you think there are.Our young writers and poets have made 'SRAJAN' a literary & creative document in the true sense of the word. We have wide range of poetry, inspirational articles, technical articles, college achievements, departmental achievements, student achievements, and much more contributed by an enthusiastic team of students, faculties and alumni. It has given them a fantastic platform to vent out their passion for writing and encouraged them for thinking within them.

I acknowledge my deepest gratitude to the Administration for rendering all possible help to the editorial board and also for the incessant encouragement provided at every stage of the planning and publication of this magazine.

I extend sincere thanks to my entire editorial team members and others who worked behind the scene to give shape to the dream that we all cherished inside us.

Last but not the least; I am thankful to all the authors who have sent their articles.

Hope you enjoy reading it as much as we have enjoyed presenting it to you!

Proting

Dr. Pratima Singh

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Computer Science & Engineering is one of the popular courses among engineering aspirants which focuses on the basic elements of computer programming and networking. Students pursuing computer science courses will gain knowledge of design, implementation and management of information system of both hardware and software, analysis of algorithms, programming languages. Going by the name, the course is offered across the globe in technical institutions at undergraduate as well as postgraduate levels awarding B. Tech and M. Tech degrees, respectively. Our Computer Science & Engineering department **PROF. BRAJESH KUMAR SINGH** provides a dynamic environment for students to enhance the knowledge, sharpen their career and motivate the students towards the area of research. Our department consists of senior,



HEAD OF DEPARTMENT

B.TECH, M. TECH, Ph.D

devoted and dynamic faculties. They help students to become outstanding professionals. Our department is recognized as one of leading departments with infrastructure and facilities to match with the current scenario.

1.Central Computing Lab	7.Project Lab
2.Distributed Systems Lab	8.Computer Network Lab
3.Computer Organization Lab	9.Computer Graphics Lab
4.00PS & Algorithm Lab	10.Compiler Design Lab
5.DBMS Lab	11.Software Engineering Lab
6.Operation System Lab	12. Web Technology Lab



GLIMPSES OF THE DEPARTMENTAL ACTIVITIES				
Interaction on Machine Learning with Python Workshop	International Webinar on "Intelligent Techniques: Companion for Life"	Induction Programme-2019		
Invited Talk by Mr. Rakshit Tandon	Students Workshop on Mobile Application Design	Students Workshop on Machine Learning With Python		
First Year Students Induction Group Photo	Teacher's Day Celebration Organized by Aarohan Society	Moodle Quiz Competion		
Facher's Day Celebration With Students	Academic Foreign visit by Head of Department	Codigo Test Organized by Aarohan Society		
Poster Making Event Organized by Aarohan Society	Awareness On COVID 19 By Poster Message	Awareness About Water Conservation By Students Under Unnat Bhart Abhiyan		
NPTEL Certificate Distribution	Mobile Application Design Workshop Group Photo	Python Programming Workshop Group Photo		
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DEPARTMENT IN NEWS				
तकनीक आज हर काम में मानव जी बनी साठी: वॉ. जोशा कुमान राजी की बनी साठी: वॉ. जोशा कुमान राजी की बनी की की की की की की की की की की की क				

DEPARTMENT OF ELECTRONIC & COMMUNICATION ENGINEERING

The Post Graduate Department of Electronics & Communication Engineering is working as an independent department since the inception of the "Raja Balwant Singh Engineering Technical Campus" formerly known as "Faculty of Engineering & Technology RBS College, Agra" in 1996. The department offers an Under Graduate (B.Tech with 90 seats) and Post Graduate (M.Tech with 18 seats) program in Electronics & Communication Engineering. The department provide quality and contemporary education in the domain of Electronics & Communication Engineering through periodically updated curriculum, best of breed laboratory facilities, collaborative ventures with the industries and effective teaching learning process. Department has state of art laboratory facilities for



HEAD OF DEPARTMENT

PROF. DUSHYANT SINGH B.E, M. TECH, Ph.D

Undergraduate and Postgraduate students in the area of electronics as well as communication. Beside this the department also have an advanced Seismo-Electromagnetics & Space Research lab. The department has successfully completed many sponsored research projects funded by Ministry of Earth Sciences (MOES), New Delhi and Department of Science & Technology(DST), New Delhi.

1.Integrated Circuit Lab	6.A D C Lab	11.Microwave Fiber Optic Lab
2.Measurement Lab	7.Analog Communication Lab	12.Control System Lab
3.Electronics Lab	8.Electronics Circuits Design Lab	13.Microprocessor Lab
4.PCB Electronics Workshop Lab	9.Digital Signal Processing	14.Digital Electronics Lab
5.Communication Lab	10.CAD of Electronic Circuits Lab	15.Analog Circuits Lab



GLIMPSES OF THE DEPARTMENTAL ACTIVITIES



GLIMPSES OF THE INDUSTRIAL TOURS ORGANIZED BY THE DEPARTMENT











DEPARTMENT IN NEWS

रेडीमार्थ संरक्षकी

STREAM IS SUCCESSION OF

वेकिसिक्रे संरक्षताक्

लगी(सीम) के वी में हमारी

ते ज्ये स्व हे सं अ



आरबीएस में इंडस्ट्री इंट्रक्शन प्रोग्राम आगरा। आरबीएस इंजीनियाँरंग कालेज में इंडस्ट्री इंट्रक्शन प्रोग्राम के तहत हयूबेही कंपनी के सीनियर एम्जीक्यूटिव कार्तिक गुला ने विद्यार्थियों को टेलीकाम इंडस्ट्री की तकनीकी समझाई। उन्होंने बताया कि फाइव जी तकनीकी के आते ही इस क्षेत्र में रोजगार के अपार मौके आने वाले हैं। निदेशक डा. अखंड प्रताप सिंह, डा. दुष्यंत सिंह, नितिन अग्रवाल, प्रमोद शर्मा, ठकुरेंद्र सिंह, राहुल आवाल, हितेंद्र सिंह आदि मौजूद रहे।

निबंध में सोम मिश्रा रहे अव्वल

आगरा। आरबीएस इंजीनियरिंग टेक्निकल कैंपस, बिचपुरी में हबई अनसंधान एवं विकास संस्थाएन की स्वण जयती पर शनिव आयोजित को गई। विषय एसडिकेट करणान 23 नदशक डा. वीएस करवाह न वधाई द

DEPARTMENT OF FOOD TECHNOLOGY

The Department of Food Engineering & Technology was started in the year 1996 with B. Tech. (Food Engineering & Technology) course. In year 2006 the department started M. Tech. in Chemical Technology with specialization in Food Technology, approved by AICTE & affiliated to Dr. A.P.J. Abdul Kalam Technical University, Lucknow.

The department is currently offering M. Tech. in Chemical Technology with specialization in Food Technology (Two years course) with intake of 18 students and B. Tech. in Food Technology (Four year course) with intake of 60 students. Since the year 1996, Fifteen batches have passed successfully and the students are placed in various companies in India & abroad in big brands of food sector such as ITC Foods Division, Cadbury,



HEAD OF DEPARTMENT

PROF. APOORVA BEHARI LAL B.TECH, M. TECH, Ph.D

Nestle, Cargill Foods, Amul, Britannia, Parle, Bikano, Ecolab, Pepsi Co. India, Dabur, Priyagold, Reliance, Perfetti, Mahan Proteins, Satnam Overseas, JVS Foods, Coca Cola India, Farelabs etc.

We target at bringing together the technical skills of the industry along with academic expertise to disseminate knowledge on the various newer advances and developments in the Food Processing Sector and to emphasize on the different Processing Technologies and its relevance to the Indian Market. This coupled with practical exposure, brainstorming sessions in the form of Group discussions, improvement of expression power and communication skills through seminars and presentations help each and every student to achieve the best they deserve in their lives and in their professional ventures. This is also very well reflected from our excellent placement records.

1. Analysis of Food Constituents Lab	5. Food Preservation and Processing Lab
2. Basic Food Microbiology Lab	6. Food Quality Evaluation Lab
3. Food Biochemistry & Biotechnology Lab	7. Advanced Food Processing Lab
4. Food Chemistry Lab	8. Research Lab





DEPARTMENT OF CHEMICAL ENGINEERING

Welcome to the Department of Chemical Engineering, R.B.S. Engineering Technical Campus, Bichpuri, Agra. This Department, since it was established in 1999, with a 4-year B.Tech course, is committed to its growth and excellence. The Department is working to achieve excellence in its field using the highest standards of quality, innovation, and visibility, while at the same time providing a friendly and supportive atmosphere. Our goal is to provide to our student's strong fundamentals with practical Industrial exposure, complemented by professional skills including communication. Students are encouraged to get acquainted with the latest developments in the various areas of PROF. SHRADDHA RANI SINGH

Chemical Engineering. Our target is to produce students and faculty who will become leaders in their areas.

HEAD OF DEPARTMENT



B.TECH, M.TECH, Ph.D

DEPARTMENTAL LABs:

1.Chemical Engg. & Fluid Mechanics Lab	6.Mechanical Operation Lab
2.Heat Transfer and Operation Lab	7.Mass Transfer Lab
3.Chemical Technology Lab	8.Chemical Reaction Instrumentation Lab
4.PDI & Control Lab	9.EPM & Control Lab
5.Energy Lab	10.CAD Lab
Mass Transfer Lab	Pitor Tull Biological Anti- Fluid Mechanics Lab
Chemical Reaction Engineering Lab	Mechanical Operation Lab

Environment Pollution Monitoring & Control Lab

Chemical Technology Lab

& Control La



DEPARTMENT OF MECHANICAL ENGINEERING

Mechanical engineering is broad-based and often viewed as the unseen foundation of the other Engineering disciplines. Any system that involves motion of one form or another invariably requires the inputs of mechanical engineers. Hence, Mechanical Engineers are involved in the research, development, design and manufacturing of all kinds of products ranging from small devices such as the ubiquitous mobile phone to the largest aircraft and ocean going vessels. To recognize department regionally, nationally& internationally for outstanding education and research leading to cater well-qualified engineers, who are innovative, entrepreneurial and successful in advanced fields of engineering and research.





Dr. AMIT AGARWAL B.TECH, M. TECH, Ph.D.

1.Material Science	2.Applied	3.Measurement &	4.Refrigeration &	5.Fluid Machinery
& Testing Lab	Thermodynamics	Metrology Lab	A.C Lab	Lab
	Lab			
6.CAM Lab	7.Workshop	8.Fluid Mechanics	9.Manufacturing	10.Heat & Mass
		Lab	Science Lab	Transfer Lab
11.Manufacturing	12.CAD Lab			
Science Lab	13.Automobile Lab			



GLIMPSES OF THE DEPARTMENTAL ACTIVITIES



Prototype Selected in Abdul Kalam Innovative Gallery (Manually Operated Pesticide Spray Machine)



Prototype Selected in Abdul Kalam Innovative Gallery (Manually Operated Pesticide Spray Machine)







आरबीएस इंजीनियरिंग में

पूल कैंपस, ५९ छात्रों का चयन

Industrial Visit of Mechanical

Engineering students to Micro

Turner Pvt. Ltd. Baddi on

11/11/2019





Industrial Visit of Mechanical

students

Engineering

11/11/2019

जॉब प्लेसमेंट से खिले छात्रों के चेहरे

AGRA (7 Feb.): राजा कलवंत सिंह इंजीनियरिंग टेक्निकल केंप्रस, 🦱 बिचपुरी में राष्ट्रीय और अंतरराष्ट्रीय कंपनियों का प्लेसमेंट ड्राइव लगातार बल रहा है. इसी क्रम में इंडिया मार्ट) संस्था में कैंपस डुड्व किया. कंपनी एचआर प्रमुख दानिश और प्रियंका स्टुडेंट्स को कंपनी के बारे मे विस्तृ वास्कारी दी. बॉब को लेकर रुए इंटरब्यू में पांच स्टूडेंट्स अपन गौतम्, शुभम त्यागो, विवेक परिवर्त् रचित तोपर और तुपार सिंह का चयन 🕴 बॉब प्लेसमेट में बदनित किए गए छात्रों के साथ जिडक.



हुआ. संस्थान के निरेशक डॉ. बीएस - की उपलब्धि पर हर्ष व्यक्त किया. इस - गौरव शुक्ला, गण्वेंद्र सिंह, अधिशेक कुशवाह ने चयनित हुए स्ट्डेंट्स अवसरपर कॉलेव के ट्रेनिंग प्लेसमेंट देखित, अतुल वैन, आजीष कावव को बधाई दी. लिरोक (क्लिएवं इंबाई इंबे. ऑग्ड अग्रवल, लवकुरा ने स्ट्डेंट्स के उल्पल धविष्य की प्रशासने) डी पंकव गुषा ने स्ट्डेंट्स हमां, अनुशा कुलब्रेस्ट, अरण सिंह, बास्ता की.



साक्षात्कार के बाद पांच छात्रों का कैंपस प्लेसमेंट

आगरा। आरबीएस इंजीनियरिंग टेक्निकल कैंपस में छात्रों के लिए कैंपस डाइव का आयोजन किया गया। मैकेनिकल, इलेक्टॉनिक्स और इलेक्टिकल इंजीनिवरिंग के छात्रों के कैंपस प्लेसमेंट के लिए वोल्टस कंपनी के प्रतिनिधि पहुंचे। दो चरणों में सम्पन्न हुई चयन प्रक्रिया के बाद संस्थान के पांच छात्रों को नौकरी मिली। इसमें अभिषेक पाठक, कुछा नागवण सिंह, योगेण उपाध्याय और अविनाश कुमार शामिल रहे। निदेशक डॉ. बीएस कुशवाह और पंकज गुप्ता ने चयनित छात्रों के उज्जवल भविष्य की कामना की।

स ने ली तकनीकी जानकारी



agra@inext.co.in

AGRA (5 Dec.): आरबीएस टेक्निकल कैंपस, बिचपुरी के छात्रों ने तीन दिवसीय इंडस्ट्रीयल टूर का भ्रमण नैनीताल और रूद्रपुर में किया. टूर के दौरान छात्रों ने महिंद्रा एँड महिंद्रा, भारत हेवी इलेक्ट्रिकल लिमिटेड और माइक्रो टर्नर लिमिटेड का दौरा किया. दौरे में छात्रों ने टेक्निकल संबंधित जानकारियां कंपनी के विशेषज्ञों से पूछकर साझा कीं. संस्थान के निदेशक बीएस कुशवाह और पंकज गुप्ता ने कहा इस तरह के टूर से छात्रों को तकनीक से संबंधित जानकारी मिलती है. टूर के दौरान छात्रों के साथ इंजीनियर अमित अग्रवाल, इंजीनियर अरुण सिंह और इंजीनियर अतुल जैन मौजूद रहे.

फेयरलैब्स में सेलेक्ट हुए २९ स्टूडेंट्स आरबीएस में कैंपस प्लेसमेंट के दौरान मौजूद स्टूडेंट्स व स्टाफ.

 आसीस में केयस संसार के की AGRA (11 Dec.) : हिन्मपूरी सिवा हवा बतावे सिंह टीनमरूत कैंपस में प्लेससेंट के अनवहा क्रम में केवरालेग, मुख्यम क्रव प्लेस ट्राव्य स अवीवन किवा गय, संस्था के निर्देशक में बोपार कुख्या है। कैंपरालेख के डायरेक्टर वेडे मागु और खान का व्यागत किया। प्लेससेंट में पैकेविकला डेनीनियरिंग, इतिविध्रका डोमलेगरे, केयरका डेनीनियरिंग, फूड टेननेलीजी, बायो रीन मंज़ूद २८ूड६स व २८१७. टेक्नोलॉजी के सभी स्टूडेंट्स की परिचर्चा को गई, इसमें 29 स्टूडेंट्स का चयन किया गया. प्रो. बीएस कुशवाह ने स्टूडेंट्स को शुभकामनाएं दी. संस्था निदेशक प्रो. पंकज गुप्ता, डीन डॉ. अपूर्व बिहारी लाल, इं अमित अग्रवाल, इं. लवकुश शर्मा डॉ. विवेक श्रीवास्तव. डॉ. श्रदारान सिंह, इं. जय कुमार, डॉ. संजय इं. आशीष खरे, इं. अमित इं. आशीष खरे, इं. अमित प्रत सिंह, इं. मोहित निगम मौजूद खे.

आरबीएस में एक दिवसीय संगोष्ठी का आयोजन



आगरा। राजा बलवंत सिंह इंजीनियरिंग टेक्निकल कैंपस के बिचपरी प्रांगण में भाभा एटोमिक रिसर्च सेंटर मुंबई की ओर से एक दिवसीय संगोध्तों का आयोजन किया गया। इस मौके पर भाभा एटोमिक रिसर्च सेंटर के



रिकटमेंट प्रोसेस के बारे में बताया। संस्थान के निदेशक डॉ. बीएस कुशवाह ने मुंबई से आए वैज्ञानिकों का स्वागत किया। संस्थान के निदेशक प्रशासनिक एवं वित्त डॉ. पंक ज गुप्ता ने कहा कि छात्र-छात्राओं के लिए भाभा एटोमिक रिसर्च सेंटर में रोजगार के सुनहरे अवसर हैं।

DEPARTMENT OF BIOTECHNOLOGY

The Department of Biotechnology was started in 2004. Aim of the department is to provide a multidisciplinary research and teaching program in modern biology and bioengineering. The department offers undergraduate and postgraduate (B. Tech & M. Tech) program in Biotechnology and the faculty conduct research in diverse areas of basic and applied biology. Research interests of the department include cell & molecular biology, structural & computational biology, bioinformatics, bioremediation, and bioprocess engineering. The department has developed extensive research facility and infrastructure to support the teaching and research activities. As a complete and self-sufficient department, Biotechnology Engineering has equipped with several Lab facilities in cutting edge technology to give students complete exposure. The pass out students of the department is well placed in





PROF. VIVEK SRIVASTAVA M. TECH, Ph.D

various multinationals like Biocon, Panacea Biotech, Lupin, Biozone, Himalaya, Sun Pharma etc.

DEPARTMENTAL LABs:

1.Bio-chemistry Lab	2.Immunology Lab	3.Fermentation	4.Genetic Engineering
		Technology Lab	Lab
5.Modern analytical technique Lab	6.Project Lab	7.Microbiology Lab	8.Genetics & Molecular Biology Lab
9.Bio-Process Engineering Lab	10.Food Biotechnology Lab	11.DSP Lab	12.Bioinformatics Lab

DEPARTMENTAL ACTIVITIES



DEPARTMENTAL ACHIEVEMENTS



DEPARTMENT OF ELECTRICAL ENGINEERING

The Department of Electrical Engineering has a fine blend of young and dynamic personalities as faculty, who are involved in imparting quality education. The Department is fully equipped with all the labs required for the curriculum like Basic Electrical Engineering Lab, Electrical Machines lab, Power System lab, Electric Drives lab, Power Electronics lab, Control System lab, Electronics Measurement and Instrumentation lab, Project lab Etc. For the extra curriculum activities, Departmental society has been established by the students. This society conducts various technical and cultural events regularly.



HEAD OF DEPARTMENT

Er. JAY KUMAR B.TECH, M. TECH

1.Electrical Drives Lab	2.Electrical Workshop	3.Electrical Measurement	4.Simulation Lab
		Lab	
5.Electrical Engineering	6.Electrical Machine Lab	7.Power Electronics Lab	8.Network Lab
Luo			
9.Control System Lab	10.Power System Lab	11.Electrical CAD Lab	12.Project Lab
13.Microprocessor Lab			



GLIMPSES OF THE DEPARTMENTAL ACTIVITIES



Ravi Shekhar Singh Addl. GM, Power Grid Agra addressing student on Transmission System in India



Special Lecture on HVDC by Er. Sunil Kumar, Exective Engineer Power Grid, Agra



Memento Presenting to Addl. GM Power Grid Agra



Webinar on Industrial Applications of Power Electronics by IIT BHU Prof Dr. Arun Kapoor



Generation Control of Power System in the Present Scenario



Unnat Bharat Abhiyan



Electrical Engineering Department Induction Program for Ist Year Students



Global Autotech Placement Drive



Corporation of India 800 KV Agra

DEPARTMENT IN NEWS







साक्षात्कार के बाद पांच छात्रों का कैंपस प्लेसमेंट

आगरा। आरबीएस इंजीनियरिंग टेक्निकल केंपस में छात्रों के लिए कैंपस जापा जारवार् इंग्लानवार दोननकर करने में छत्रों का राष्ट्र करेखे ड्राइव का आयोजन किया गया। मैकेनिकल, इलेक्ट्रॉनिक्स और इलेक्ट्रिकल इंजीनिवरिंग के छात्रों के कैंपस प्लेसमेंट के लिए वोल्टस कंपनी के प्रतिनिधि बजातपारप के छात्रा के कपस रासने 2 कारण्ड प्राटस कपना के प्राणाप पहुंचे। दो चरणों में सम्पन्न हुई चयन प्रक्रिया के बाद संस्थान के पांच छात्रों को नौकरी मिली। इसमें अभिषेक पाठक, कृष्ण नारायण सिंह, योगेश उपाध्याय और अविनाज्ञ कुमार शामिल रहे। निदेशक डॉ. बीएस कुशवाह और पंकज गप्ता ने चयनित छात्रों के उज्जवल भविष्य की कामना की।

छात्रों का हुआ कैंपस प्लेसमेंत

आगर। आरबीएस इंजीनियरिंग टेक्निकल केंपस में शुक्रवार को केंपस प्लेसमेंट का आयोजन किया गया। केपस प्लेसमेंट में ग्लोबल एचआर अनज रस कशवाह और डॉ. हात्र-हात्राओं के चेहरे खिल उठे। निदेशक पंकज गुप्ता ने चयनित छात्रों को उज्जवल भविष्य की शभकामनाएं दी।

DEPARTMENT OF CIVIL ENGINEERING

Civil Engineering is the oldest and most essential disciplines of engineering in the World. It started when the first man put a roof over his head to protect him from vagaries of nature. The Pyramids of Egypt, the Taj Mahal in India, and any number of structures world-wide bear testament to the abundant legacy of civil engineering.India is a fast-developing country and the whole world views it as the leading economy of Asia. Infrastructure is the key to development and our popular government is giving maximum stress on it. It is here that the role of civil engineers comes into play.Infrastructure Development involves structures that are required for the functioning of a community & society. In these could be listed structures like roads, water supply, sewers, electrical grids, telecommunications, renewable energy, water sources





Er. ANURAG KULSHRESHTHA B. E, PGDCA, M.E.

identification & boring (wells), purification systems for clean water, hazard waste management and so on. Civil Engineers play an important role in almost all these fields and are indispensable.Civil engineers manage to do the aforementioned projects related to infrastructural development as the fundamental idea of **less space and more efficiency** is embedded in all civil engineers which is a crucial factor in development of infrastructureCivil engineers are not just limited to the construction industry. They are an intrinsic part of any industry dealing with infrastructure, such as oil and energy, chemicals, transportation, power, environmental and marine, to name a few. These industries require civil engineers because of their knowledge in subjects such as structures, materials sciences, geography, geology, environment, soils, mechanics, hydrology etc.

- 1. Fluid Mechanics Lab.
- 3. Environmental Engineering Lab.
- 5. Building Materials & Construction Lab.
- 7. Transportation Engg. Lab

- 2. Hydraulics & Machine Lab.
- 4. Surveying Lab.
- 6. Geotechnical Engineering Lab
- 8. Structural Analysis Lab
- 9. CAD Lab



GLIMPSES OF THE DEPARTMENTAL ACTIVITIES



'National Webinar on Recent Trends i Civil Engg.'



Seminar on 'New techniques of production of Portland cement by HEIDELBERG CEMENT



Workshop on 2D DESIGN USING SOLIDS WORSKS cement by HEIDELBERG CEMENT by CAD CAM Engg.



Workshop conducted on Quantity, Estimation& Costing using MS PROJECT BY CADD Centre

GLIMPSES OF THE INDUSTRIAL TOURS ORGANIZED BY THE DEPARTMENT



Visit to STP 78 MLD Agra



Visit to VVIP Guest House, Farah



Gokul Barrage, Mathura



Survey Camp at Manali

Prem Mandir, Mathura



Rafting at Rishikesh



गरबीएस के आठ छात्रों का आर्यमा सॉफ्ट में चयन इपिटंन सॉफ्टवेयर्स का इंजीनियरिन के क्षेत्र में अहम उपवोग आरबीएस में इंजीनियरिंग पर वेबिनार नारियल के छिलकों से होगा कंक्रीट स्लैब का निर्माण য়ায • 315 247 · use Rein of Restal and AME CHANGE 000 एक नजर में सिविल इंजीनियरिंग में है सुनहरा भविष्य वेविनार में हुआ रीसेंट ट्रेंड्स **भाषाः।** एका सन्तर्भव सिंह इंग्रेलियोरेंग देभिल्लान केरफ में ये विभन्न इंग्रेलियरेंग भिषाग सह ' पीबेंट ट्रेंड्स इन सिभिल्स इंग्रे एक नजर पर मंथन छात्रों को सीमेंट इंडस्ट्री के वारे में दी जानकारी आगरा: राजा बलवंत सिंह मेंट में चार विद्यार्थियों का च अनगराः सभ्य प्रत्यात्रात्व इंजीनियरिंग देषिनकत क्रैपस के सिविल इंजीनियरिंग विभाग ने रेसिंट ट्रेंड्स इन सिविल इंजीनियरिंग विषय पर चेबिनार का आयोजन सामी है। मानवीम राष्ट्रेम प्रीचे भारतमधान के भार भा सामामा या मंगलवा महत्वते किसिक संस्थार, अन्युर्थ प्रेतिना ही, एवे कुम दे देटे कि सुराविक स निर्वात के स्वरूप के सिका कि के दिया विकास सी, क्वेर कुस व्यवका सामयक विकास विकार के दंवार्ग देवी, अनुसर कुसचे देवी, मुका बादद, देवी, सुच्च बीहत में गुटा है। आगरा : आरवीएन इंजीनि देविनलक वैभरा विश्वपुरी में इंजीनियरिंग विभाग के छा इसमें मार्ग सेम सीमेंट ये विकास sand meathers from

DEPARTMENT OF APPLIED SCIENCE & HUMANITIES

Department of Applied Science, in perfect conformity and balance, is a department that provides an enduring foundation in the fundamental sciences. The purpose of applied sciences in Engineering study is to lay a strong foundation of basic principles of various disciplines such as Mathematics, Physics, Chemistry and Communication skills in the mind of the learners so that they proceed to rest of their years of study with up to date knowledge and training of basic engineering skills. The methodology adopted in the classroom teaching is based on application of innovative strategies, regular assignments and interaction between teachers and students. At, RBSETC, Bichpuri, Agra, due attention has been given to this aspect thereby the applied sciences department constitutes of qualified faculty and is always striving to perceive

HEAD OF DEPARTMENT



PROF. SAPNA TOMAR B.Sc., M.Sc., Ph.D

and resolve students queries and to inspire them to develop their technical skills.

- 1.Engineering Physics Lab
- 2.Engineering Chemistry Lab
- 3.Applied Chemistry Lab
- 4.Numerical Techniques Lab
- 5. Professional Communication Lab




FACULTY OF PHARMACY

The Department of Pharmacy was started in 2011 with an intake of 60 students in B.Pharm. The laboratories of the departments are well equipped with the all the modern equipment's required for pharmacy processes. The major areas of research undertaken by the department are Natural Product and Standardization of Herbal Drugs. The aim of the Department is to prepare personnel in the field of Pharmacy who could utilize their knowledge for the betterment of society and improve mankind health. In 2019 also applied for the Diploma in Pharmacy and the course is approved by PCI and AICTE. The students of the department is well placed in different pharmaceutical companies such as Eris Life Sciences Ahmedabad, OMICS International Hyderabad, Wingston Pharmaceutical Pvt. Ltd., Macleods Pharmaceuticals Ltd., Win Medicare Pvt. Ltd., Shining Life Healthcare Pvt. Ltd., AKUMS



Dr. NITIN AGRAWAL B.Pharm, M.Pharm, Ph.D

Drugs & Pharmaceutical Ltd. Haridwar, Turacoz Healthcare Solutions Gurugram etc.

DEPARTMENTAL LABs:

1.Pharmaceutics Lab	6.Pharmaceutics Analysis Lab
2.Pharmaceutical Chemistry Lab	7.Pharmacology Lab
3.Pharmacognosy Lab	8.Anatomy, Physiology & Path Physiology Lab
4.Physical Pharmacy Lab	9.Biochemistry Lab
5.Microbiology Lab	10.Computer Fundamental & Programming Lab





GLIMPSES OF THE INDUSTRIAL TOURS ORGANIZED BY THE DEPARTMENT



Industrial Tour of Final Year Students

DEPARTMENT IN NEWS



राजा बलवंत सिंह इंजीनियरिंग टेक्निकल कैंपस बिचपुरी के बीफार्मा संकाय में आयोजित रक्तदान शिविर में मौजूद अतिथि व छात्र-छात्राएं। • हिन्दुस्तान

छात्रों ने किया १०० यूनिट रक्तदान

आगर। राजा बलवंत सिंह इंजीनियरिंग जानवा राजा बरावरा सह इजानवारन टेक्निकल कैंपस बिचपुरी के बीफार्मा संकाय में रोटरी क्लब ऑफ आगरा वेस्ट के सहयोग और एनएन मेडिकल कॉलेज के तत्वावधान में लगाया गया। कॉलेज के तत्वावधान में लगाया गया। शिविर में एसएन मेडिकल कॉलेज के लिए 100 यूनिट रक्तदान किया। इस अवसर पर अतिथियों ने कहा कि रक्तदान महादान है। इससे आप किसी का जीवन बचा सकते हैं। इस मौके पर संस्थान के निदेशक डॉ. बीएस कुशवाह, निदेशक प्रशासन डॉ. पंकज गुप्ता, डीन डॉ. शचिपति पांडेय, प्रमोद, डॉ. पंकज नगायच आदि मौजूद रहे।

फार्मेसी क्षेत्र में करियर की अपार संभावनाएं

आगरा। आरबीएस इंजीनियरिंग टेक्निकल कैंपस, बिचपुरी में मंगलवार को 'मेडिकल राइटिंग क्लीनिकल रिसर्च एंड फार्माकोविजिलेंस' विषयक संगोष्ठी का आयोजन किया गया। मुख्य अतिथि डग इंस्पेक्टर ब्रजेश यादव ने कहा कि उज्ज्वल भविष्य के लिए विद्यार्थियों को औषधि उत्पादन की ओर झुकाव रखना चाहिए। फार्मेसी के क्षेत्र में करियर बनाने की अपार संभावनाएं हैं। मुख्य वक्ता जालमा के डिप्टी डायरेक्टर डॉ. उमेश दत्त गुप्ता, फार्मेंसी विभाग के अध्यक्ष डॉ. नितिन अग्रवाल, प्रवक्ता अर्मित यादव, एसएन मेडिकल कॉलेज के फार्मेसी विभागाध्यक्ष प्रो. पवन गौतम, शिवप्रकाश राजपुत ने विचार व्यक्त किए। संस्थान के निदेशक डॉ. ब्रजेश सिंह कुशवाह ने वक्ताओं का स्वागत किया। डीन डॉ. अपूर्व बिहारी लाल ने धन्यवाद ज्ञापित किया। - ब्युरो



दवा लेने के साथ उसके दुष्प्रभावों को भी समझें

रिसर्च एंड फॉर्माकोवि

आगर। हिन्दस्तान संवाद

अगाठ के समय में माठ रखा लेना ही आवश्यक नहीं है। जरुरत है कि उस दवा के लेवे समय तक हारीर पर पड़ने आव फॉमांकोर्सिजलेल को बेहद जरूरत है। यह स्वर्ण डिप्टी डारपेस्टर जालमाडों. उसेश दल गुफाने कहीं। वह डारारपेंट्स देलिनकल किएस के डिशाइसेंट ऑफ फॉर्मेसी में आयोजित संगोदनी में आज रहे छ। ोण्ठी में बोल रहे थे। मेडिकल राइटिंगब क्लीनिकल



रिसर्चे एंड फार्माकोविजिलेंस विषय पर के डिप्टी डायरेक्टर डॉ. उमेश दत्त गुप्ता ने ब्रजेश यादव ने बताया कि उज्ज्वल भविष्य डीन डॉ. अपूर्व बिहारी लाल, डॉ. त्रिपांशू के लिए छात्र-छात्राएं औषधि उत्पादन की गुप्ता, डॉ. वीके श्रीवास्तव, मीडिया प्रभारों

बिचपुरी में मेडिकल राइटिंग क्लीनिकल कारोबार के बारे में आगाह किया। जालमा संगोष्ठी का आयोजन किया गया। निदेशक कहा कि मात्र दवाई लेना ही आवश्यक नहीं। डॉ. ब्रजेश सिंह कुशवाहा ने कहा कि उस दवा द्वारा शरीर पर होने वाले दुष्प्रभावों फार्माकोविजिलेंस की वर्तमान में बहुत का पूर्ण अध्ययन भी किया जाना चाहिए। उपयोगिता है। इसके अंतर्गत दवाओं का फार्मेसी के विभागाध्यक्ष डॉ. नितिन अग्रवाल क्लीनिकल परीक्षण कर उनके दुष्प्रभावों ने मेडिकल राइटिंग के संबंध में जानकारी को कम किया जा सकता है। डग इंस्पेक्टर दी। निदेशक प्रशासनिक डॉ. पंकज गुप्ता, ओर झुकाव रखें। उन्होंने कहा कि दवाओं को आशीष शुक्ला आदि उपस्थित रहे।



अनुम्लिल्डाटाटांग स्वति से 'सेविलस गाउंग कार्गासल विषयुरी एवं फार्माकीविलिंस' किया पर कार्ट विस्तरीय संपोर्घ प्रेल कीर्तित पर स्वेत्यस्य कार प्रायंत पुराव सेतीन दुरा रसेव्यस्य ब्लेश पारस्य ये प्राया कार्यात्रां सिंह और संय स्वयस्ती के पित्र या साव्यापीय को दीप प्रज्यतील कार्यक्रम कार प्राया स्वार्थ्य के दीप प्रज्यतील कार्यक्रम कार प्रायात्रां के आसीहत क्वला हिस्टी जायंक्स्ट प्रवानियागाय्वस्य कार्यती हो, पहन गौता, प्रायांकीविलॉक्स फार्मेसी स्पार, मोडिकल कार्वल तिव्य यज्यत्, जस्तल मेनेवर शल्य स्वात्र, व्यक्रे द्वाके से स्वर केर से स्टर डॉ. स्युति बको रहे.

संगोष्ठी शुभारंभ करते अतिथिगण.



DEPARTMENT OF ARCHITECTURE AND TOWN PLANNING







Ar. Amit Kumar (Assistant Professor) Ar. Leena Chaudhary (Assistant Professor)





Student presenting "Thesis" Project To the jury member





Industrial Tour & Site Visit



ABHIRUCHI-THE HOBBY CLUB

Abhiruchi is a College society that organizes the various events that explore the hobbies of the students. The convener of this society is Er. Dhananjali Singh. Gen. Secretary of the Society is Ankush Singh from Mechanical Engineering-IV year.



CELEBRATION OF CONSTITUTION DAY







Chitrakala Pratispradha on Jayanti of Swami Vivekanand ji

OORJA-THE SPORT SOCIETY

Oorja is a College sport society that organizes the various sport events that explore the potential of the students. The convener of this society is Prof. Dushyant Singh. Gen. Secretary of the Society is Utsav Kumar Singh from Mechanical Engineering-IV year.



INAUGURAL CEREMONY OF THE ZONAL LEVEL SPORTS FEST



GOLD MEDALIST IN VOLLEYBALL, KHO KHO, TABLE TENIS, 200M4X100 AND RELAY4X400 RELAY AT ZONAL LEVEL



RBSETC ZONAL WINNER TROPHY

VINIMAYA- THE LITERARY SOCIETY

Vinimaya, The Literary Society of the Institute organizes a variety of literary activities. This society deals with the participation of students of whole college in the activities like debates, quiz contests, essay competitions, elocution contests, etc. The Convener of the society is Dr. Sanjay Upadhyay. Gen. Secretary of the Society is Gaurav Singh Sikarwar from Computer Science & Engg. -IV year.



ALL INDIA ESSAY WRITING PROGRAMME 2019



SANSKRITI-THE CULTURAL SOCIETY

"Sanskriti-The Cultural Society" of the college organizes various cultural activities i.e., skits, dance, singing competitions are a few from the gamut of programs it has been undertaking to provide recreational activities and channels of self- expression to the student. 'Freshers' and 'Abhyudaya' the college fest are also some main cultural programs of the college manage by this society. Prof. Sapna Tomar is the convener and Dr. Hemlata Singh is the Co-Convener of this society. Suryansh from Electronics & Communication III year is the general secretary of the society

GLIMPSES OF PARICHAY (FRESHERS PARTY) 2019-20



BRONZE WINNER IN GROUP DANCE, FOLK ORCHESTRA, GOLD IN CLASSICAL SOLO SONG, GOLD IN FOLK SOLO SONG, SILVER IN DUET DANCE IN AKTU STATE LEVEL FEST



GOLD IN FOLK DANCE, GROUP DANCE, DUET DANCE, SOLO SINGING CLASSICAL, SOLO SINGING FOLK, SILVER IN FASHION SHOW AND BRONZE IN SKIT IN AKTU ZONAL LEVEL FEST



TRAINING & PLACEMENT CELL

The Training and Placement cell of Raja Balwant Singh Engineering Technical Campus Bichpuri, Agra forms an integral part in shaping the careers of the students of the institute. It organizes and coordinates campus placement program to fulfill its commitment of a job to every aspirant. The Training & Placement Cell provides the infra-structural facilities to conduct group discussions, tests and interviews besides catering to other logistics.

Our Recruiters:





Dr. Lavkush Sharma (Training & Placement Officer)



Dr. Amit Agarwal (Training & Placement Officer)

UNNAT BHARAT ABHIYAN

We are glad to share that Raja Balwant Singh Engineering Technical Campus, Bichpuri (Agra) has been selected under Unnat Bharat Abhiyan, a flagship program of Ministry of Human Resource Development (MHRD), Government of India as Participating Institute. In an Unnat Bharat Abhiyan, the Participating Institutes were selected through a challenge mode application. Under UBA Raja Balwant Singh Engineering Technical Campus, Bichpuri (Agra) selected five villages viz. *Akbara, Arsena, Runkata, Lohkarera and Bichpuri*. The awareness program includes the meeting with Panchayat Secretary, Gram Pradhan, BDO, elders, youth group, women groups, identifying one problem and providing immediate solution. The program is coordinated by *Dr. Vivek Kumar Srivastava* and co-cordinated by *Dr. Sanjay Kumar Upadhyay*. We also appoint the Faculty In-charge for different villages' viz. *Er. Mohit Nigam* (Bichpuri), *Er. Thakurendra Singh* (Runkata), *Er. Upendra Singh* (Akbara), *Er. Ashok Kumar* (Arsena) and *Er. Arun Singh* (Lohkarera). We invite students and faculty members to participate/contribute in national/rural development in these villages are as:

- a. Conducted village survey
- b. Conducted household survey
- c. Provided the Mock drill training the youths of Bichpuri for fire disaster
- d. Conducted Skill development workshop at our Institute for the youths of adopted villages
- e. Organized Nukkar Natak in adopted villages towards awareness of voting
- f. Conducted awareness program to avoid the plastic bags

We organized different co-curricular activities like essay writing competition on 'Conservation of Water', 'Pollution', 'Cleanliness', 'Forest Campaign', 'Nukkad-Natak' and 'Awareness Rallies' under "SWACCHATA PAKHWADA" event in our adopted villages.







BOOK DISTRIBUTION IN SCHOOLS OF ADOPTED VILLAGES

Seismo-electromagnetic Studies and Earthquake Prediction in India: Current Scenario

Dr. Devbrat Pundhir, Asstt. Professor Department of Physics

Among the various types of natural hazards, Earthquake is the one for which no full-proof prediction technique has been developed till today with the result there occur huge losses of lives and destruction of properties almost every year in one part of the earth or other. In India itself, there occurred more than 10 devastating earthquakes in the last 60 years in which thousands of people have died and properties worth thousands of crores of rupees damaged. Since earthquakes give a severe jolt to the economic condition of a country, research work has been given top priority for the prediction and forecasting of such natural catastrophes all over the globe. In India, various seismological techniques have been tried in the recent past but no success has been achieved. Recently, a new technique known as "Seismo-electromagnetic technique" which is based on ground and ionospheric based monitoring of electromagnetic signals and anomalies generated due to earthquakes has been attempted which has produced some convincing results giving a ray of hope of possible short-term earthquake prediction in near future.

While the seismo-electromagnetic technique employs direct monitoring of ULF/VLF electromagnetic emissions from earthquake sources and their effect on VHF propagation on the ground, the ionospheric perturbation caused by earthquakes has drawn greater attention of the scientific community in recent years vis-a-vis prediction of earthquakes. The availability of Global Positioning Satellite (GPS) and its application in monitoring of Total Electron Content (TEC) of the ionosphere, which undergoes significant variation in relation to earthquakes, has made this study simpler and easier to handle.

The first seismo-electromagnetic measurements-based laboratory in India was established by Emeritus Scientist, Dr. Birbal Singh at Bichpuri Campus of Raja Balwant Singh College, Agra and who set a milestone in this field of research. After that Government of India has taken an initiative and established other seismo-electromagnetic measurements-based laboratories in India. Agra center is contributing to research for the last 30 years. This is the oldest laboratory of seismo-electromagnetic research in India. This laboratory is sponsored by the Ministry of Earth Sciences, Govt. of India, New Delhi. Recently, one of the projects has been approved for funding from MoES. More than thirty Ph. Ds have completed and research-oriented students of B.Tech. (Final Year) and M.Tech. (Final Year) have done their dissertations in this field and published it in repute journals at national and international level.



Role of Molecular Descriptors (MDs) in Drug Discovery Process

Dr. Monika Singh, Asstt. Professor Faculty of Pharmacy

Over the last century however, the search for new drugs has changed dramatically. The use of computers gave rise to a new approach to innovation of drugs would result in the conceptualization of the correct molecules or ideal molecule design. As the types of disease are increasing, the responsibility of discovering and developing effective and safe drugs becomes even more challenging. Almost about 10-15 years time was estimated to develop one new drug molecule from the time it is discovered to when it is available in the market for treating the patients. The average cost to discover and develop a single successful drug formulation is estimated around \$850 million to \$1 billion. This includes the cost of the thousands of failures: For every 5,000- 10,000 drug molecule that enter the research and development (R&D) pipeline and finally only one gets the approval. Thus *in-silico* approaches have gained immense popularity and have become an integral part of the industrial and academic research, directing drug design and discovery. Graph theory solves the quantification problem by providing a large number of *Molecular* Descriptors (MDs) of diverse nature for the quantification of chemical structures so as to facilitate the development of suitable correlations with quantified physicochemical and biological activities. A major trend in mathematical and computational chemistry, drug discovery and quantitative structure-activity/property/toxicity relationship (QSAR/ QSPR/QSTR) studies is the application of adjacency-based MDs for predicting bio medicinal, toxicological, physicochemical, and technological properties of chemicals from their structure. Some MD describes better one property, while others are more suitable for describing another property. MDs are useful in providing Lead structures for development of medicinal compounds in a shorter span of time and reduced cost.

"Success doesn't mean the absence of failures; it means the attainment of ultimate objective. It means winning the war, not every battle."

– Edwin C. Bliss



GENERAL INFORMATION ON COVID -19

Mr. Sunil Pratap Singh, Asstt. Professor Faculty of Pharmacy

Overview: Coronavirus disease (COVID-19) is an infectious disease caused by a newly discovered coronavirus. Most people infected with the COVID-19 virus will experience mild to moderate respiratory illness and recover without requiring special treatment. Older people and those with underlying medical problems like cardiovascular disease, diabetes, chronic respiratory disease, and cancer are more likely to develop serious illness. The best way to prevent and slow down transmission is to be well informed about the COVID-19 virus, the disease it causes, and how it spreads. Protect yourself and others from infection by washing your hands or using an alcohol-based rub frequently and not touching your face.

The COVID-19 virus spreads primarily through droplets of saliva or discharge from the nose when an infected person coughs or sneezes, so it's important that you also practice respiratory etiquette (for example, by coughing into a flexed elbow).

At this time, there are no specific vaccines or treatments for COVID-19. However, many ongoing clinical trials are evaluating potential treatments.

Symptoms: COVID-19 affects different people in different ways. Most infected people will develop mild to moderate illness and recover without hospitalization.

Most common symptoms : fever, dry cough, tiredness.

Less common symptoms : aches and pains, sore throat, diarrhea, conjunctivitis, headache, loss of taste or smell.

Serious symptoms : difficulty breathing or shortness of breath, chest pain or pressure, loss of speech or movement.

Seek immediate medical attention if you have serious symptoms. Always call before visiting your doctor or health facility.

Prevention: To prevent infection and to slow transmission of COVID-19, do the following:

- Wash your hands regularly with soap and water, or clean them with alcohol-based hand rub.
- Maintain at least one-meter distance between you and people coughing or sneezing.
- Avoid touching your face.
- Cover your mouth and nose when coughing or sneezing.
- Stay home if you feel unwell.
- Refrain from smoking and other activities that weaken the lungs.
- Practice physical distancing by avoiding unnecessary travel and staying away from large groups of people.



TRAPPED IN THE NET...

Prof. Apoorva Behari Lal, Dean/Head P.G. Dept. of Food Technology

The Internet today has changed our lives and has made it a lot easier by making information more accessible and readily available to all and by establishing or restoring connections with different people around the world.

Utilization of social media has become an integral part of Indian youth today and has captured their entire attention. The dependency of youths on the social media has reached to such an extent that they consider it as an inseparable, integral part of their lives. Internet today is not only in their easy reach but rather it is flowing down their finger tips all the time and mostly in an unrestricted and unrestrained manner.

Dependency of youth on social media is now leading to their addiction. Through several studies, it has been clearly established that over utilization of social media through Internet has profound negative influence on the minds of youth, though, it has also some positive effects on their life. The world today is dealing with this problem termed as IAD or Internet Addiction Disorder. Internet usage is not a bad thing, it is rather good and very helpful, but as is said that excess of everything is bad and so is the excess usage of Internet. It has led a lot of people to spend too much time in front of the computers or smart phones, so much so, that it becomes the center of their lives.

The youth of today prefers the excitement of the internet rather than spending time with their family. The curiosity of knowing more is getting many of them hooked to online Cybersex, pornography, e-shopping, chats and video chats, useless surfing and much more at the cost of their studies and career. On the pretext of studies many youngsters confine or isolate themselves in their rooms using the net and don't have any inter-personal relationships, have mood swings, develop psychological and physiological disorders etc. Whenever Internet addicts feel overwhelmed, stressed, depressed, lonely or anxious, they use the Internet again to seek solace and escape. They are just happy in their virtual world which is far away from the harsh and ground realities of life and lack the practical approach needed to be successful in life. Even a major chunk of engineering students are just limited to net usage for the preparation of their seminar and project reports and have no interest in spending time in the library readings books, magazines, journals and research papers to get an in depth knowledge or insight into the relevant topics, that is of vital importance for their career.

We have seen cases where behavioral changes were observed and suicidal tendency developed in children and youngsters through excessive online gaming. The question is that with this pace, like COVID-19, will internet addiction become a 21st-century epidemic? Medical experts say that Internet addiction disorder is



often linked with depression, anxiety, or attention deficit disorder (ADD). It has also been observed that people at higher risk for Internet addiction include those with other addictions, higher stress levels, or no social support.

Now as with any addictive pattern, people have the ability to control their own behavior if they so desire. In other words, if we want to change, we can and for the better we all should. This calls for the parents to monitor the online behavior of their children. If they are 'friends' with their children on social media, they should keep a check on their child's activities. Children should be taught not to reveal personal information, photos or other details to strangers, especially online and to be selective and intelligent enough in choosing and making friends. The parents should keep a watch on the academic performance and attendance of their wards during higher studies to assess the effective utilization of time by their wards towards studies and career development.

To sum up, we should admit that Internet is the most important invention of modern times and has brought the world closer and more aware than ever. But as we all have studied in the essay on Science in our junior classes about it being a Boon or Bane, we should also restrict ourselves to the limited, justified and beneficial usage of the Internet rather than becoming an addict and hampering our own lives and progress.

It should be borne in mind that apart from all the positive, knowledgeable and gainful purposes, the Internet also carries the flag of being subversive, rebellious, chaotic and nihilistic.

The choice to move in the right direction is obviously ours......

"Education is the passport to the future, for tomorrow belongs to those who prepare for it today."

– Malcolm X

Develop a passion for learning. If you do, you will never cease to grow.

-Anthony J. D'Angelo



FOOD TECHNOLOGY: ROLE IN MAKING AATMA-NIRBHAR BHARAT

Dr. Ashish Khare, Asstt. Professor Department of Food Technology

India as we all are aware is a developing nation and considered to be an agriculture-based country. The biggest challenge in any undeveloped nation is hunger and food security which says sufficient food for everyone with good quality in terms of nutrition. Most of the Indian government policies are based on achieving the goal of food security for example mid-day meals for school going children, distribution of ration to BPL families, etc.

India is the largest producer of milk and the second-largest producer of fruits & vegetables in the world but then also we are not the largest exporters as well as do not have enough of these commodities for domestic consumption. The gap between production and processing is the largest challenge we face and can only be bridged by efficient food processing. We end up with the large percentage of our agricultural produce as waste because these commodities are seasonal and perishable, fast and good post-harvest management is the need of the hour. The food processing sector can help the post-harvest system to utilize these products to convert them into value-added products which can be stored for a longer time without any appreciable loss in quality and nutrition.

With the industrial revolution, many of the multinational food processing industries have emerged in India but then also India needs the revolution at the farm level with the help of budding entrepreneurs in food processing sectors. Here lies the key for Aatma Nirbhar Bharat which can support our farmers at the root level by making the best utilization of their products and creating employment for the locals. By the success stories of Haldiram and Bikano, we can realize the potential of our traditional Indian delicacies. India is a country with a highly enriched heritage and that can be intellectually harnessed to become Aatma Nirbhar with the help of the right technology and knowledge.

The food processing sector is an area where small scale industries can be easily set up with the assistance of government agencies under the Aatma Nirbhar Bharat Abhiyaan and can be grown into a large setup. The real-time example is lizzat papad started by a group of seven local women's now turned into an established MNC. We as a Food technologist can contribute to this great movement by using our skills to establish small scale enterprises, develop the indigenous types of equipment & processes to reduce post-harvest losses, render our technical services to small producers to earn more from their existing infrastructures and bring some innovation to improve our traditional practices. We can help the locals by making their traditional food products become global with adequate technology and skills.



ELECTRIC VEHICLE

Er. Jay Kumar, Head Deptt. Electrical Engineering

India's focus on next-gen mobility has definitely taken on legs under the current government, but the 'National Electric Mobility Mission Plan (NEMMP) 2020' was unveiled in 2013 under the previous Congressled government. That puts into perspective the concerted efforts across the aisle for green mobility and electric cars. Since then the country has been willing to adopt a 360-degree approach to turn into an EV nation.

In December 2019, in the Climate Risk Index 2020 released by the environment think tank, German watch, India's rank has worsened from the 14th spot in 2017 to 5th in 2018 in the global vulnerability ladder. This makes it all the more reason for India to make electric cars and vehicles a priority in the fight against the reliance on fossil fuels.

An electric car is just a car propelled by one or more electric motors using energy stored in rechargeable batteries, instead of burning petrol or diesel internally and exhausting fumes. There are broadly three kinds of electric cars at present:

- 1. Solar-powered electric cars and vehicles
- 2. Hybrid electric cars powered by a mix of internal combustion and batteries
- 3. Electric cars with on-board battery packs also known as battery electric vehicle (BEV)

More often than not, electric cars in the context of mobility and environmental conservation refer to battery electric vehicles, but may also refer to plug-in hybrid electric vehicles (PHEV).

Electric cars offer a dramatically lower operating cost compared to conventional internal combustion engines. On average, electric vehicles are 75-80% cheaper from fuel and maintenance perspective, which is an important consideration for many consumers who have high usage. Moreover, EVs have 75-80% fewer moving components and this ultimately translate to a much lower maintenance bill.

In the Indian context, automobile manufacturers have announced electric four-wheelers such as Hyundai Kona Electric, Mahindra e-Verito, Mahindra e2o, Porsche Taycan, Tata Tigor EV 2019, MG ZS. But many more will be needed if India is to take meaningful steps towards becoming an EV-first nation.



New Approach for Cancer Treatment

Mr. Sumit Kaushik, Asstt. Professor Faculty of Pharmacy

Cancer rates continue to increase, particularly in the current scenario of the world. Many cancers are associated with longevity, and as life expectancy lengthens, the burden on patients and payers will increase.

Although many effective anti-cancer agents are available, some are associated with high levels of toxicity. Cancers also can develop resistance to certain therapeutics. To overcome this situation the medical professionals, must find new approaches for cancer treatment.

Nanomedicine

Nanoparticles are small systems (1–1,000 nm in size) with peculiar physicochemical properties due to their size and high surface-to-volume ratio. Biocompatible nanoparticles are used in cancer medicine to overcome some of the issues related to conventional therapies, such as the low specificity and bioavailability of drugs or contrast agents. Therefore, encapsulation of the active agents in nanoparticles will increase their solubility/ biocompatibility, their stability in bodily fluids, and retention time in the tumour vasculature.

Super paramagnetic iron oxide nanoparticles (SPIONs) are usually exploited as contrast agents in magnetic resonance imaging (MRI) because they interact with magnetic fields. Five types of SPIONs have been tested for MRI: ferumoxides (Feridex in the US, Endorem in Europe), ferucarbotran (Resovist), ferucarbotran C (Supravist, SHU 555 C), ferumoxtran-10 (Combidex), and NC100150 (Clariscan). SPIONs have also been studied for cancer treatment by magnetic hyperthermia, and a formulation of iron oxide coated with amino silane called Nanotherm has been already approved for the treatment of glioblastoma.

Gold nanoparticles have raised interest because of their optical and electrical properties and low toxicity. They are mainly used as contrast agents for X-ray imaging, computed tomography, photoacoustic imaging, and photodynamic therapy. A nanoshell made of a silica core and a gold shell coated with PEG was approved by the Food and Drug Administration (FDA) in 2012 and commercialized as AuroShell (Nanospectra) for the treatment of breast cancer by photodynamic therapy.

Organic nanoparticles are mainly used as delivery systems for drugs. Liposomes and micelles are both made of phospholipids, but they differ in their morphology. Liposomes are spherical particles having at least one lipid bilayer, resembling the structure of cell membranes. They are mainly used to encapsulate hydrophilic drugs in their aqueous core, but hydrophobic drugs can also be accommodated in the bilayer or chemically attached to the particles.

Targeted therapeutics: -

This is a comparatively newer approach for cancer treatment. Paul Ehrlich coined the phrase "magic bullet" to describe a drug that specifically targets disease-causing organisms in 1906. This magic bullet turns in to reality in the 1970s.By the development of monoclonal antibodies (mAbs), which are designed to latch onto specific targets found only on cancer cells. The first mAbs, rituximab (Rituxan/MabThera) and trastuzumab (Herceptin), were approved in the United States in the 1990s. To date, 12 mAbs have been approved for the treatment of cancer, the most recent being brentuximab vedotin (Adcetris) for the treatment of lymphomas. **Conclusions**

In recent years, research into cancer medicine has taken remarkable steps towards more effective, precise, and less invasive cancer treatments. While nanomedicine, combined with targeted therapy, helped to improve the biodistribution of new or already tested chemotherapeutic agents around the specific tissue to be treated, other strategies, such as gene therapy, siRNAs delivery, immunotherapy, and antioxidant molecules, offer new possibilities to cancer patients.



VEDIC MATHEMATICS

Dr. Saloni Srivastava, Asstt. Professor Department of Mathematics

Vedic Mathematics is a collection of Techniques/Sutras to solve mathematical arithmetic in easy and faster way. It consists of 16 Sutras (Formulae) and 13 sub-sutras (Sub Formulae) which can be used for problems involved in arithmetic, algebra, geometry, calculus, conics.

Vedic Mathematics is a system of mathematics which was discovered by Indian mathematician **Jagadguru Shri Bharathi Krishna Tirthaji** in the period between A.D. 1911 and 1918

Vedic Mathematics is one of the most natural ways of working and can be learnt with very little efforts and that also within a very short span. Vedic Mathematics is also supported by a set of checking procedures for independent crosschecking that we do. The calculation techniques provided are highly creative as well as effective. The core idea focused on Vedic Mathematics is that mathematical calculations can be carried out easily and of course mentally.

Even now, in the twenty-first century, Vedic Mathematics continues to be the centre of attention and research spanning across the globe. Researches are being carried out in multiple areas that include the effect of use of Vedic Mathematics in modern times. Easy applications of the sutra are being propounded by theorists that can help students solve problems related to Calculus and Geometry.

In modern times, many students are resorting to the use of Vedic Maths; especially the ones who sought to appear for competitive exams. The sutras help in solving a lot of complicated problems easily. Vedic mathematics offer students the extra edge that general mathematics might not be able to provide them with. Such is the versatility of Vedic Mathematics is that; even scientists from NASA have applied certain principles of Vedic Mathematics in the realm of artificial intelligence. These days, Vedic Mathematics is being taught at school level and special attention is being provided to student those who want to learn more about the subject.

Vedic Mathematics is extremely beneficial as it makes you maths learning experience super easy. It not only offers benefits to the students and kids but to anyone who wants to learn math in an easier way. If you do not know much about the perks that Vedic Math has to offer then we have compiled a list of the top advantages of learning Vedic Math.

One of the most beneficial features of Vedic math is that it enriches and enhances the knowledge and understanding of the math so that you can learn it in an easy way.

Vedic Math is not only helpful for the kids but also for the students who are preparing for the various competitive exams. This method saves a lot of time as it does not require to remember a large amount of stuff. Also, it helps in enabling faster calculations, unlike the other conventional methods. The major focus of Vedic math is on the mental calculations. This will further ease the learning process of Mathematics like never before.

Vedic math also enhances and level up your creativity in the right direction which further helps in increasing the overall personality. It provides a set of the checking procedures for independent cross-checking of whatever we do. Also, the element of choice helps in developing the clarity of mind and intuition. Problem-solving time would be reduced and also the dependence on the calculators will be cut down to zero.



STRESS MANAGEMENT DURING COVID-19

Mr. Amit Yadav, Asstt. Professor Faculty of Pharmacy

The coronavirus disease 2019 (COVID-19) pandemic may be stressful for people. Social distancing because of Coronavirus (COVID-19) is the best thing we can do right now to decrease the risk of spreading the virus in our communities. But social distancing and self-isolation can be stressful.

The stress management during COVID-19 is very essential for good well-being. Stress is a response to a lack of stability between demands placed on the individual and their ability to meet the demands, which over a period of time, leads to ill-health.

Common stress reactions include: feeling overwhelmed, worry, fear, racing through sadness, loss of interest, physical symptoms, frustration, irritability, anger, restlessness, agitation, helplessness, hopelessness, difficulty concentrating or sleeping. Despite the reactions being normal, managing these reactions helps in feeling better, reestablishing a sense of control, improving productivity, strengthening a sense of control, improving productivity, strengthening a sense of control, improving productivity, strengthening the immune system, reducing negative chronic health outcomes, and enhancing the ability to manage unexpected or new stress. It is normal for people to experience a wide range of thoughts, feelings, and reactions including Feeling stressed or overwhelmed, Anxiety, worry, or fear, Racing thoughts, Sadness, tearfulness, loss of interest in usually enjoyable activities, Physical symptoms, such as increased heart rate, stomach upset, fatigue, or other uncomfortable sensations, Frustration, irritability, or anger, Restlessness or agitation, Feeling helpless and Difficulty in concentrating.

Stress Management methods:

- 1. **Exercise Regularly:** Aerobic exercises can still be done within the walls of your home or the compound of your apartment, such as walking, running, or climbing stairs. Even playing with your kids or pets can help burn off some calories.
- 2. Take a Break: Decide the amount of exposure to the news that works for you. Especially if there are children involved, make sure you expose them to only age-appropriate material.
- **3. Connect with Others:** During these times of uncertainty or fear, it is essential to connect with others. Being in isolation and all the unwarranted fear can lead to stress and depression.
- **4. Take Adequate Rest:** Amount of sleep aids in managing stress and staying focused during the day. Avoid stimulants like caffeine, alcohol, or nicotine before bedtime.
- 5. Maintain a Healthy Diet: Unnecessary stress can cause you to overeat or eat unhealthy, adversely affecting your metabolism.
- 6. **Practice Good Hygiene:** Keep your floors clean and sanitize hard surfaces regularly. Make sure you take a bath every day and are maintaining a daily personal hygiene routine.

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Role of Microbiome in Attacking Cancerous Tumors

Vishwesh Tripathi (Faculty of Pharmacy II Year)

The Research according to Cumming School of Medicine [CSM] provides a new understanding of why immunotherapy, a treatment of cancer that helps amplify the body's immune response, works in some cases, but not others. This shows combining immunotherapy with specific microbial therapy boosts the ability of the immune system to recognize and attack cancer cells in some melanoma, bladder, and colorectal cancers.

Researchers found that "these bacteria produce a small molecule, called inosine, Inosine interacts directly with T-CELL and together with immunotherapy; it improves the effectiveness of the treatment, in some cases destroying all the colorectal cancer cells."

The three beneficial bacteria associated with tumours in mice have also been found in cancers in human. According to McCoy "Identifying how microbes improve immunotherapy is crucial to designing therapies with anti-cancer properties, which may include microbial" says McCoy. "The microbiome is an amazing collection of billions of bacteria that live within and around us every day. We are in the early stage of fully understanding how we can use this new knowledge to improve the efficacy and safety of anticancer therapy and improve cancer patient survival.

Triumphs don' t Come without Efforts

Rupali Agarwal (CSE III Year)

A biology teacher was teaching his students how a caterpillar turns into a butterfly. He told the students that in the next couple of hours, the butterfly would struggle to come out of the cocoon, but no one should help the butterfly. Then he left.

The students were waiting and it happened. The butterfly struggled to get out of the cocoon and against the advice of the teacher; one of the students took pity on it and decided to help the butterfly out of the cocoon. He broke the cocoon to help the butterfly so it didn't have to struggle anymore. But shortly afterwards, the butterfly died.

When the teacher returned, he was told what had happened. He explained to the students that it is a law of nature that the struggle to come out of the cocoon actually helps develop and strengthen the butterfly, the boy had deprived the butterfly of its struggle and the butterfly died.

The same principle applies to our lives. Nothing worthwhile in life comes without a struggle. Trials in life can be tragedies or triumphs, depending on how we handle them. Triumphs don't come without efforts.



Future of Meats

Vinay Singh (FT III Year)

"One cannot think well, love well, sleep well if one has not dined well." a famous quote by Virginia Woolf signifies a very deep message one cannot do anything if one has not dined well. The future of food is going to change drastically because the consumption of food is increasing day by day as the population increases. We have to feed approx. 9 billion people by 2025. Now we have to look the main source of food for humans that is meat, meat is a most consumed food in the world and they come from various sources. Due to an expanding world population and increasing meat consumption in developing economies, it is predicted that meat consumption will double in the coming forty years.

Meat is mainly composed of water, protein, and fat. It is edible raw but is normally eaten after it has been cooked and seasoned or processed in a variety of ways. Unprocessed meat will spoil or rot within hours or days as a result of infection and decomposition.

Meat is one of the main sources of protein in our diet and we need protein because it is necessary for secreting hormones, repairing tissues, producing enzymes, and development of the body, and also it contains fats(saturated and monosaturated).

One of the most emerging and most sustainable alternatives for animal meat is plant-based meat. Plantbased meat is something that looks, smells, and tastes exactly as meat but not meat. I know it is difficult to digest something from a plant taste exactly as similar to meat. But food scientists and food technologists have successfully produced meat from plants.

The particular segment of the plant-based meat industry is redefining "meat" as a product defined by its molecular structure and composition rather than its animal origin. Furthermore, where demand for plant-based meat was once driven predominantly by vegetarians, today's products—such as the Impossible Burger—which tastes, smells, and "bleeds" like a fresh beef burger, appeal to a range of "flexitarian"(a person who only eat eggs but not meat) consumers who are generating considerable market growth for plant-based meat.

"The greatest discovery of my generation is that human beings can alter their ways by altering their attitudes of mind."

-William James



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Give Up!

Showkat Ahmad Ganai (CE III Year)

"Dreamed of never doing so but eventually did."

The university was closed because of the COVID pandemic and I came back to my village depressed and stressed and always thinking what next. As the days passed a close town in my vicinity was declared Red zone, I began to think about how remedies can be made available during COVID period. I impatiently wanted to save my village from a catastrophe. After due deliberations with some of my friends, local administration, and some village headmen, we formed a team of ten volunteers and decided to enforce strict lockdown on our own. To make people aware of the disastrous repercussions of the pandemic we launched an awareness campaign, distributing masks not letting people assemble, ensuring social distancing, asking people to take extra precautions, spending our whole day monitoring public activity, not letting people assemble in masjids became our daily routine, one thing was clear in our minds that virus should by no means enter our village while we were busy ensuring that COVID remains at bay as for as our village is concerned another two villages in the vicinity fell into its trap. So it forced us to ensure a strict lockdown, we were surely left with no other option than to go for a harsher one. But we knew it will mean disaster for destitute. To help the poorer section live as comfortable as they used to, I with a friend's help came up with an idea of establishing a local NGO and we did the same. The sole purpose of the NGO was to heal the wounds of distress. To run NGOs we started raising funds, locally and to our bewilderment, the newly established NGO received overwhelming support from the local populace within few days we reached out to most of the families and distributed essential commodities among them. We worked from dawn to dusk, the NGO kept growing slowly and smoothly, but its growth and popularity did not suffice a section of society particularly the elderly headmen, they thought that its growth will dent their popularity to impede its growth they started playing fouls, slowly and steadily their machination proved effective in getting us malicious in the eyes of the local populace. Yesterday's heroes began to be treated as today's hooligans we fought their machinations but their experience in the field worked out for them and we received a severe blow, when our people bluffed us, the people that had given us all the strength to fight the deadly virus. My family also suffered severe criticism.

After a long silence, my father rose from his place in anger and yelled at me "Would you continue to get us and yourself humiliated?" I was stunned for the first time in my life I could see the fear in his eyes, his questions kept reverberating in my head than started a tough fight within my soul and heart, ultimately I was asked to "give up".

"Patience creates confidence, decisiveness, and a rational outlook, which eventually leads to success."

-Brian Adams



DON' T QUIT (John Green leaf Whittier)

Raina Kulshrestha (Faculty of Pharmacy IV Year)

When things go wrong as they sometimes will, When the road you're trudging seems all up hill, When the funds are low and the debts are high And you want to smile, but you have to sigh, When care is pressing you down a bit, Rest if you must, but don't you quit. Life is strange with its twists and turns As every one of us sometimes learns And many a failure comes about When he might have won had he stuck it out; Don't give up though the pace seems slow You may succeed with another blow. Success is failure turned inside out The silver tint of the clouds of doubt, And you never can tell just how close you are, It may be near when it seems so far; So stick to the fight when you're hardest hit It's when things seem worst that you must not quit.



The Motivational Messages Given By Some Hollywood Movies

Akansha Prajapati (Faculty of Pharmacy II Year)

Goodwill hunting: Matt Damon played the title of a 20-year-old young man. The hero is gifted with high potential in mathematics and chemistry but doesn't realize what his potential can offer. This will inspire students to discover their hidden talents.

Lean on me: Do you need a second chance at your study or your career?Based on a true story. It is a biopic. In which an unorthodox teacher return to an idyllic high school from which he had been fired as a principal only to find it devoid of the success it used to be.

The paper chase :Sometimes study does not come easily-often if we need to learn to 'set the mode'. This story focuses on hardworking and studious James T.Hart who faces many challenges during his first year at Harvard.

21: It is based on a true story. It is a story about a talented student who entered Harvard, but he has to demonstrate his unique experience no other students have in order to get a scholarship.

42: It is a real-life inspirational sports story, based on American baseball icon Jackie Robinson. He discovers to overcome challenges.

The social network: It is based on the Founder of Facebook, Mark Zuckerberg. From a Harvard student to a multimillionaire.

The breakfast club: This movie is about how 5 students from different backgrounds who end up in detention together which results in open up to each other.

Freedom writers: It is based on a young teacher who inspires her troublesome class to pursue studies even after high school. She has to contend with at-risk students who are divided among themselves, opposing teachers, struggling marriage, and shortage of money.

Stand and Deliver: It is a true story of a mathematician Jamie Escalante. It shows an idealistic math's teacher who supports his "no-hoper" students by using unusual teaching methods.

Rush: The plot of the movie is centred around two F1 racers of the 1970s – James Hunt and NikiLauda who are intense rivals and how they stretch to their very limits to prove their supremacy on the tracks. The movie is for the driving buff with exhilarating race sequences on the screen . .

The Blind Side: It is based on the real story of Michael Oher who was adopted by a supportive family-TheTuohys and he becomes a successful football player, with strong support from the Tuohy family despite going through some rough patches.



Live Your Life

Kirti Sharma (CE II Year)

Life's too short to be wasted. It passes just once, so make the most out of it. Live life the way you want it to be. Live it to the fullest, feel free! Live as the sun shines in the sky. Live as high as the birds can fly. Live as the colors of a rainbow. Live as far as the clouds can go. Never waste it with worthless doubts and fears, With in securities and useless tears. Remember that what couldn't tear you makes you strong. Put away frustrations, sing your own song! Believe in what you can do. The world is round; it's all up to you. Think fast, act now! Time is gold; it couldn't be renewed. Value experiences, learn from mistakes. Improve for the better, live for others. Do what is right and what is best. Always be yourself, unique from the rest. Laugh as if there's no tomorrow. Dance as though you'll never get through. Love with all your heart and soul. Sing like you're on the top of the world. Forget the money, the root of all evil. Treasure your loved ones; you're lucky they're still there. Strengthen your faith, live with God. The best things in life are for free, so why not?!

Contribution of Pharmaceutical Industry in Indian Economy

Mohd Shuhood Qureshi (Faculty of Pharmacy II year)

India is a legendary and rapidly growing presence in globalpharmaceuticals. It is occupying 20% share in global supply of generic medicine by volumeand also supplies 62% of global demand for vaccines. India ranks 3rd worldwide for production by volume and 10th by value. India is the single country with largest number of US-FDA compliant Pharma plants (more than 262 including APIs) outside of USA. India has nearly 1400 WHO-GMP approved pharma Plants, 253 European Directorate of Quality Medicines (EDQM) approved plants with modern state of the art Technology. The country has more than 3,000 pharma companies with a strong network of over 10,500 manufacturing facilities. The domestic pharmaceuticals market turnover reached \$20.03bn in 2019, up 9.3% from 2018, growing as penetration of health insurance and pharmacies rise. It is also a huge sector for employment in the country for youth and capable persons.

Pharmaceutical and healthcare sector is likely to witness an over 20 percent growth in hiring this year and also expected to generate around 1,34,000 jobs according to the India Skills Report 2016. As per estimates the pharma industry currently employs about 5.5-5.7 lakh people. This increase can be attributed to the initiatives by the government. A good investment in the pharma, life science and healthcare sectors is showing positive signs. Going forward, better growth in domestic sales would also depend on the ability of companies to align their product portfolio towards chronic therapies for diseases such as cardiovascular, anti-diabetes, anti-depressants and anti-cancer. Indian government has taken many steps to reduce costs and bring down healthcare expenses. Speedy introduction of generic drugs into the market has remained in focus and is expected to benefit the Indian pharmaceutical companies. In addition, the thrust on rural health programmes, lifesaving drugs and preventive vaccines also augurs well for the pharmaceutical companies. As per a report, in spite of prevailing challenges in the Indian pharma sector, 58,000 additional job opportunities are likely to be created as the industry is expected to grow up to 45 per cent by 2025.

Interesting Facts

Presented by Abhishek (BT II Year)

- 1. Sea sponges have no Head, Mouth, Eyes, Feelers, Bones, Heart, Lungs or Brain yet they are alive.
- 2. The only letter that doesn't appear on the periodic table is J.
- 3. The red colour doesn't really make bulls angry; they are colour-blind.
- 4. Turtles can breathe through their butts.
- 5. Every two minutes, we take more pictures than all of humanity did in the 19th century.
- 6. Did you know? If your DNA was stretched out it would reach to the moon 6000 times.
- 7. The total weight of all the ants on earth is greater than the total weight of all the humans.
- 8. From 0 to 1000, the only number that has a letter "a" in it is "One thousand".
- 9. It would take 1,200,000 mosquitoes, each sucking once, to completely drain the average blood of human.
- 10. Snail's teeth are the strongest natural material on earth, able to withstand pressure high enough to turn carbon into diamond.



International Day against Drug Abuse and Illicit Trafficking

Ruchita Sharma (FT II Year)

In today's modern world of science and technology, where every human is striving for perfection and happiness, a part of the world is still plagued with the threat of the production, trafficking and use of illicit drugs, with the victims of drug abuse enduring unbelievable pain.

By resolution 42/112 of 7 December 1987, the General Assembly decided to observe "**26 June**" as "**The International Day against Drug Abuse and Illicit Trafficking**" as an expression of its determination to strengthen action and cooperation to achieve the goal of an international society free of drug abuse.

The theme for the 2020 International Day against Drug Abuse and Illicit Trafficking **"Better Knowledge for Better Care"** emphasizes the need to improve the understanding of the world drug problem and how in turn, better knowledge will foster greater international cooperation for countering its impact on health, governance security.

Drugs most often associated with this term include: alcohol, amphetamines, barbiturates, benzodiazepines, cannabis, cocaine, hallucinogens, methaqualone and opioids. "Substance abuse", also known as "Drug Abuse", is "use of drug in amounts or by methods which are harmful to the individual or others". The exact cause of substance abuse is not clear, with the two predominant theories being: either a genetic disposition which is learned from other or a habit which if addiction develops, manifests itself as a chronic debilitating disease.

The "illegal drug trade or drug trafficking" is a "global black market dedicated to the cultivation, manufacture, distribution and sale of drugs that are subject to drug prohibition laws". Most jurisdictions prohibit trade except under license of manytypes of drugs through the use of drug prohibition laws.

The "illegal drug trade" may be estimated as nearly **"one percent of total global trade".** Consumption of illegal drugs is widespread globally and it remains very difficult for local authorities to thwart its popularity.

"June 26" is an "important day" for "focusing on the threat of production, trafficking and use of illicit drugs". Robust action is needed to strengthen criminal justice systems, break-up the criminal networks who deal in misery and suffering and to nurture health and human rights based responses.

People also endure unbelievable pain due to a lack of controlled medications for the medical purposes. Measures must be taken to ensure that people across the globe can access pain relief where necessary. **UNODC's** (**United Nations Office on Drugs and Crime**), own work shows that the balanced approach of confronting drug supply and drug demand is fundamental. Countries must also work hard to protect the promise of future generations. On the International day against drug abuse and illicit trafficking, it is important to remember that **Illicit Drugs "Undermine the environment, security and development."**

Countering the impact using "a balanced and human rights based approach" is vital to protect and promote the health and welfare of human kind.

Therefore, we must pledge to say a strict no to illicit drugs. Every person must try to eradicate this drug abuse from the society, by taking initiatives starting at individual levels. We must also take initiatives to help the person suffering from this drug abuse.

Let us all pledge to free the world from the **'Plague of Drug abuse and Illicit Trafficking'** and make it a better place to live in, for the greater good of humanity.

Self-Exploration

Samriddhi Mittal (FT III Year)

Changing ourselves is not always easy and it requires a lot of courage in order to do so. Many of us go through scanning our identities, as who we are as an individual. Self-exploration means taking a look at our own thoughts, behavior, actions, feelings and discovering who we truly are. The process of self-exploration is laborious and requires a lot of determination and dedication in order to be accomplished. It means becoming aware of what's important to you and understanding yourself, i.e. your values, interests, aptitudes, abilities, strengths and weaknesses. It is also a way to gain knowledge of what is a good fit or match for your personality type. Knowing our interests, capabilities, strengths, and also our weaknesses helps us in every aspect of our lives, personal and professional. People often compromise for a lot less than they deserve not knowing their real worth and that is the reason why about 90 percent of people suffer from depression, anxiety and hypertension. In the rush of life we often forget as who we are and become a completely different person. Self-exploration can be achieved through meditation, or spending time with people who love us and know who we really are, or by doing things that we love. Once we have thoroughly examined ourselves, we need to overcome our flaws and make a better version of us. We need to skim the rough edges of our identities in order to achieve our true goals.



Long Screen Time & Your Eyes

Rajat Singh (Faculty of Pharmacy III year)

Our eyes are one of the most important organs of our body. Eighty percent of what we perceive comes through our sense of sight. As we see today's generation is mostly busy with their gadgets and this habit is impairing their vision at a very young age. And it is only when we have spectacles on our eye that we want to regain our natural vision which is not an easy thing.

Researchers generally don't consider screens as a source of permanent vision damage but long screen time can affect the eyes and causes several problems like blurred vision, irritation, conjunctivitis (redness of eyes), headache, retinal damage, eye strain, decrease in blink rate and dryness of eyes. When all these problems occurred due to the long screen time it is called computer vision syndrome or digital eye strain. It is proven in research that long exposure to the blue light emitted by screens can cause retinal damage which leads to macular degeneration which is not curable. Digital eye strain is caused by a combination of factors i.e. length of exposure, sitting posture, distance from the screen, contrasting levels of light, etc.

Our eyes are naturally made to see the distant object but when we see the nearby object for a long we are putting a strain on our eyes the continued strain causes expansion in the size of the eyeball and as a result, we soon become myopic(short-sightedness). Whereas continuously starring on screen leads to dry eyes problem with irritation and watery eyes with redness.

But what about peoples for whom working on screen is the source of earning. So I am telling some precautions that everyone should take care of while working for a long time on screen. First is the diet you should include protein, vitamins (A, C, E) and include green vegetables. Second is reducing strain by following the rule of 20 20 20 (working on-screen after each 20 min look at 20 feet distant object and blink eyes 20 times). The third is eye exercise to strengthen your eye muscle. Fourth is all can use eye drop containing carboxymethylcellulose 0.5% (OTC) as a lubricant to get rid of dry eyes problem. Visit an eye specialist regularly if your symptoms are severe.

We all should know that what we receive from nature is precious and need care.

Our thoughts lead to actions, actions lead to habits, and habits form character. Character leads to destiny. Form the habit of thinking right.

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Aatma Nirbhar Bharat Swatantra Bharat

Shiwani Goyal (FT II Year)

Life flies by and it's easy to get lost in the blur!

So, before getting lost in the blur, let's make our life more happening.

We already know that thousands laid down their lives so that India can breathe, so that India can become independent.

But even after celebrating 73 years of independence, we are lagging behind. So finally, due to this pandemic our honorable Prime Minister launched a movement named "AatmaNirbhar Bharat". He gave us the 'mantra' of '**Vocal for Local**'.

Nation is on a new track of development and moving ahead with speed. So meet the young India, emerging with flying colors dynamic and versatile in every manner. Let the world know we are back with a bang!

Due to COVID-19, around two-third of employees lost their jobs and went economically down. So, our Prime Minister found a new alternative to support the peasants and workers out there. So, if you want to donate or make someone happy then take a pledge to contribute in our country's economy rather than making other country rich. Let's make India self-reliant and free of foreign products.

Now, you might be thinking that, what we can do as a citizen? How we can support the economy of this large nation? Can we alone become the reason of arising economy?

The answer is yes. We can support our nation because as consumers we have so much power to change the world by just being careful what we buy. So, we can make our country self-reliant, and we will.

Here are some initiatives helping India in becoming self-reliant:-

- India's own 'Made in India' '5G network' was announced in July 2020 by Reliance Jio.
- Jio has created a complete 5G solution from scratch that will enable us to launch a world-class 5G service in India, using 100 percent homegrown technologies and solutions. Another initiative that may be a complete change is that, it was announced that Apple would manufacture one of their premium iPhone models in India.
- The largest fund in the country worth 21,000cr (US\$2.9 billion) was setup by the IIT Alumni Council with the aim of supporting the mission towards self-reliance.

The PPE industry in India has become a 7,000 crore (US\$980 million) in two months, the second largest after China. *May the tri-color of my county, furls very high!*



WISDOME OF FIFTIES

Muinur Rahman (Faculty of Pharmacy II Year)

No one can deny the importance of wisdom. It comes from experience and lots of study and hard work and most important AGE but in ancient times Romanians did not understand this fact and the whole country suffered terribly.

It's an old story when there is battle between Rome and France all young soldier decided to kill old people that are above from age fifty because during battle young soldier have to provide protection to older one.

So, one group of young soldiers went to king's castle and give advice to kill old people. As the king was very young so giving such order didn't bother him. But only one kind hearted young man, took pity on his father, after all, he owed his life to him in the first place. So he hid him away in a cellar and took care of him.

Time passed and a terrible drought came. Meadows and plough lands shriveled and withered and all the springs dried up. There was a terrible famine, and sickness and all kinds of troubles came upon the young people thick and fast, and their hair began to go white before its time.

They try everything they could, but more and worse troubles followed. The snow melted and spring was upon them without their having a single grain of seed to put in the ground.

They scraped the floors of all the barns that used to be sacked so high they could hardly hold all the grain. All the king's councilors held long talks with the king but there was nothing they could do to get themselves out of their terrible trouble. They couldn't borrow money from anywhere because their neighbors were all on bad terms with them. From bishop to farm worker the whole people were overcome with horror and fear at the thought that spring had come and there was nothing to sow their fields with.

The old man hidden in the cellar could see that his son was going about looking miserable all the time. One day he asked him: 'what's making you look so thoughtful, my boy? Tell your father all about it. He may be able to help you, even if it's only with words.'

The son told him all the troubles. The old man thought for a little and then he said, take your plough and go and plough up the lane in front of your house. Rake it over.

The boy followed the advice and what did he see? There came a quick spring rain and out of the ground there began to sprout wheat and maize, oats and barley and even beans and peas in some places.

This news spread up when king hear this, he ordered to be brought before him. He was now considered wisest of the wise.

'What did you do? How did you do it? The king started asking him questions at once. He was afraid so he didn't tell him the true answer straight off. But in the end he admitted what had happened.

'Bring me your father here,' the king ordered.

'What made you think there would be seeds in the roadway?'

'Well, you Majesty, just think how many drop on the ground when people carry them home on their carts.'

The old fellow was given a royal reward; he had saved the life of their crew.

And ever since then, my friends, they haven't killed the old men any more.



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WELCOME TO SOCIETY

Ragini Singh (CSE II year)

Welcome to society, We hope you enjoy your stay, And please feel free to be yourself, As long as it's in the right way, Make sure you love your body, Not too much or we'll tear you down, We'll bully you for smiling, And then wonder why you frown, We'll tell you that you're worthless, That you shouldn't make a sound, And then cry with all the others, As you're buried in the ground, You can fall in love with anyone, As long as it's who we choose, And we'll let you have your opinions, But please shape them to our views, Welcome to society, We promise that we won't deceive, And one more rule now that you're here, There's no way you can leave.....



Medicinal Properties of Albizia lebbeck

Anvesha Dwivedi (BT IV Year)

Albizia lebbeck is commonly known as Shiris. *Albizia lebbeck* is a medicinal plant which belongs to the family Fabaceae. It is generally found in India, Myanmar, South Africa and Australia. It grows in the areas having annual rainfall of 600-2500 mm. It is an important plant in the Ayurvedic and Unani system of medicine. This plant is used in eye problems, gingivitis, in diarrhoea, and as a tonic in respiratory diseases by the local people as a common herbal remedy. According to patanjali reports, leaves of Shiris can be used in eye problems, grinded seeds of this plant can be used in dysentery and if 5mg flower extract of *Albizia lebbeck* along with 500 mg pippali (*Piper longum*) and honey is mixed then that helps in respiratory problems.

The ethanolic extract of Heartwood had been found useful and have anti-inflammatory property. The flowers were found to have cytotoxic activity against hepatocarcinoma, larynx carcinoma, cervical carcinoma, breast carcinoma and colon carcinoma. Albizia saponin B is the main saponin responsible for the inhibition of degranulation of mast cells, it decreases the activation of H1R gene by histamine and Th2 cytokines like IL-4, IL-5, IL-13. The plant consists of many pharmacological properties like anti-asthamatic, analgesic, anti-microbial, anti-inflammatory, anti-diarrhoel, anti-fibrotic, immunomodulatory and anti-tussive. In recent studies, silver nanoparticles from bark extract of *Albizialebbeck* helped in killing multi drug resistant bacteria with anti-oxidant activity.

Shirishavaleha is one of the most potent drugs consisting of immunomodulatory property found effective against bronchial asthma and has an immunostimulant property. Use of bark can be done to make herbal tea on the basis of experiments which were done on asthmatic people.

Irrespective of SARS-COV-2, this plant had been found useful against asthma, conjunctivitis, night blindness, syphilis, ulcer, skin diseases, and snake bites etc. If more research is done on phytochemicals of this plant then *Albizia lebbeck* might be a cure for SARS-COV-2 and also in other viral diseases.

"Adversity has the effect of eliciting talents which in prosperous circumstances would have lain dormant."

-Horace



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Artificial Intelligence-The Need Of The Future

AI isn't an intruder in our life but a

Multi-talented assistant that can improve our lifestyle if used in the right way.

Rajat Jain (EC II Year)

From the oversized machinery to intelligent supercomputers, AI has managed to change the life of human beings in indescribable ways. Now the cinema have the ability to escape the reality in a very creative manner as the AI movies today showcase the interesting and scientific concepts of future as a part of our daily life more than ever before. The Google Assistant in your smartphone, the Alexa of Amazon, the Siri in Iphone and many more highly advanced and interactive applications are possible only due to the continuous development of AI.

The Father of AI, John McCarthy described AI as any task performed by a program or a machine that, if a human have to apply intelligence to perform the same task. So, Artificial Intelligence is also termed as machine intelligence i.e. the intelligence which is demonstrated by the machines.

Artificial intelligence can be split into two main type: narrow AI and general AI. **Narrow AI** is simply what we see all around us in computers. It is also known as **weak AI** because it is simply designed to perform the limited tasks. There are vast number of emerging applications of it like carrying out visual inspections of infrastructure such as oil pipelines, responding to simple customer like when we call on some Telecom service provider, checking the weather etc. The **General AI** is very flexible and it is capable of learning anything from serving food to hair cutting. If you see the Indian movie Robot then you can understand it well. This AI is used in car industries, computer chips industries etc.

Artificial Intelligence emerges to be the next great thing in the field of technology. It is not only improveing the future of every industry and every human being but also acts as the main driver of emerging technologies like robotics and IoT. Hence there is really a great opportunity for the trained professional of this field to enter a rewarding career. As these technologies continue to grow and have more impact on the social setting and quality life.

"Man needs difficulties in life because they are necessary to enjoy the success."

—Dr APJ Abdul Kalam



INTERNET OF THINGS-(IoT)

Pushpanjali Singh (ECE II year)

Had it ever happened to you that you are out of the house, busy in some work and you suddenly remember that you forget to switch off the lights of your room and then you think, may be you left AC also on. Then all your attention will be kept away from work.

Just imagine if you are able to control the lights, fans, AC or other electronics devices while you were away from home, don't you think it will be so relaxing and good. The Internet of Things or IoT refers to the billions of physical devices around the world that are now connected through internet & collecting and sharing data. Now it is to turn anything from something as small as a pill to something as big as airplane, into a part of IoT.

Pretty much any physical object can be transformed into an IoT device. Let's take an example, a light bulb that can be switched on using a smartphone app, is an IoT device, similarly a smart thermostat or street lights can also be connected. The term IoT is mainly used for devices that would not usually be expected to have an internet connection, for this reason PC is not generally considered as an IoT device. A smart watch or a fitness band or other wearable device might be considered as an IoT device. "The IoT integrates the interconnectedness of human culture—'Our Things'—with the interconnectedness of our digital information system— 'The Internet' that's the IoT."

The IoT was initially most interesting to business and manufacturing, where its application is sometimes known as machine-to machine (M2M), but the interesting thing is nowadays IoT is filling our homes and offices with smart devices. The benefits of the IoT for business depends on the particular implementation, agility and efficiency are usually top considerations. The idea is that enterprises should have access to more data about their own products and their own internal systems, and a greater ability to make changes as a result.

IoT devices use a variety of methods to connect and share data, although most will use some form of wireless connectivity. In the next few years, we will undoubtedly use the 5G networks to support IoT projects. 5G offers the ability to fit as many as one million 5G devices in a square kilometer which means it will be possible to use it on a very large scale industrial IoT deployment. The IoT promises to make our environment – Our homes and offices and vehicles – smarter measurable.

"Start where you are. Use what you have. Do what you can."

—Arthur Ashe


Cradle of our civilization

Pooja Raheja (ECE II Year)

What can be the cradle of our civilization? Where could our civilization always stay?

It could only be the composed bodies lying on top of each other, the hollow skull and bones, thick and thin, lying solemnly there without soul, emotions and life. Lack of humanity and love has made us like a living dead bodies without any soul, gratitude and reason for life. What can be the cradle of our civilization? The bleeding ground, the breast of mother Earth.

The mother who always fed her children selflessly, is now bleeding because she has now given all that she could ever give yet giving us more until she is left with nothing. The mother is shedding blood, crying and begging out for her life, requesting her own children to save her life. Her children who rely on mother Earth for their survival are now a threat to her. The Earth knows you belong to her, and you would find yourself inside her womb. What can be the cradle of our civilization? It is where we close our eyes and sleep for eternity.

Sleep into the womb of Mother Earth. With Centipedes and ants crawling over our body where the creatures of earth enter into our bloodstream, When we are sleeping peacefully for eternity. When the one born in the womb of mother. Earth dies in the womb of her. Where her one creature enters and decomposes another. Such is the cradle of our civilization. The grieving "grave" looked after by the Mighty Mother Earth.

A young man asked Socrates the secret to success. Socrates told the young man to meet him near the river the next morning. They met. Socrates asked the young man to walk with him towards the river. When the water got up to their necks, Socrates took the young man by surprise and dunked him under the water. The boy struggled to get out but Socrates was strong and held him down. When the boy started turning blue, Socrates raised the boy's head out of the water. The first thing the young man did was to gasp and take a deep breath of air. Socrates asked, "What did you want the most when you were under water?" The boy replied, "Air." Socrates said, "That is the secret to success. When you want success as intensely as you wanted air underwater, then you will have it." There is no other secret.



OPV Solar System

Harshit Jain (CSE III year)

In an impressive feat of engineering, scientists in Denmark have devised a rapid, scalable and industrially viable ways to manufacture large sheets of flexible organic tandem solar cells. Their successful application of roll-to-roll processing is a significant achievement for this emerging renewable technology. An Organic Photo Voltaic (OPV) solar cell is a polymer-based thin film solar cell. OPV solar cells have been the focus of much research as they are lightweight, flexible, inexpensive, highly tuneable and potentially disposable. They are also unparalleled in the number of times that they can pay back the energy used in their manufacture.

In the quest to improve the efficiency of OPVs, which, in addition to operational lifetime, is currently their key limitation, various new materials, processing methods and device architectures have been thoroughly investigated. Among these is the tandem cell, where multiple junctions are stacked upon one another. This can increase the efficiency of the cell by not only increasing the number of junctions, but, along with careful selection of complementary materials, can make it possible to harvest photons from a broader region of the spectrum. However, this more complicated architecture renders their manufacture significantly more challenging. Frederik Krebs and his research team at the Technical University of Denmark are specialists in renewable energy technologies, particularly OPVs. For the first time they have demonstrated the successful roll-to-roll manufacture of tandem OPV modules, each comprised of a stack of 14 discrete layers, which are rapidly printed, coated or deposited one on top of another by a machine reminiscent of a printing press. The experiment was carried out in simple conditions and is extremely fast, with a single solar cell module being printed onto blank foil each second. Most importantly, the process is relatively cheap and completely scalable, with a high technical yield. 'If I have made a kilometre of solar cells, then I am not interested if one module has an efficiency of 10% and the rest are 2% – I think what is important is what you can make for the public,' says Krebs. 'I am the guy that makes a lot of it and tries to look for the average and what is practical, and then there are the other guys that look at what is obtainable. Everybody has their role to play and hopefully we will meet some day, probably somewhere in the middle.' 'The performance from these fabricated devices has a long way to go to achieve commercial viability,' states Seth Darling, an expert in solar energy conversion at Argonne National Laboratory, US, but this work clearly shows that the process itself is feasible and has the potential for genuine market impact. The future direction of this research now lies in materials development, and in the optimisation of each layer for the manufacturing process.

Everything you Need to know about 5G

Ritik Jain (ECE II Year)

Whenever we hear the name of 5G, the first question that comes to our mind: what is 5G?

5G is the 5th generation mobile network. 5G wireless technology is meant to deliver higher multi-Gbps peak data speeds, ultralow latency, and more reliability.

Why 5G is better than 4G?

5G is the next generation of mobile broadband that will eventually replace, or at least augment, your 4G LTE connection. With 5G, you'll see exponentially faster downloading and uploading speed with least latency. When we compare 4G and 5G an exponential change will occur in bandwidth, latency and speed.

Some limitations of 5G

- 5G types of equipment are costly, requires skilled engineers to install and maintain a 5G network. This increases the cost of 5G deployment and maintenance phases.
- 5G technology is still under process and research is going on.
- 5G smartphones are costly, hence it will take time for the common man to make use of 5G technology.
- Security and privacy issue yet to be solved in 5G.
- Coverage distance of up to 2 meters (in indoor) and 300 meters (in outdoor) can be achieved due to higher losses at high frequencies (such as millimeter waves).

At last, 5G will lead to the biggest technological transformation of our lifetime, with unlimited possibilities.

"Natural abilities are like natural plants, that need pruning by study."

-Francis Bacon



Beautiful Goa: A Tourist Paradise

Nitisha Varshney (CSE III Year)

Goa, a former Portuguese territory, for more than 450 years is often described as 'The Rome of the East'. It has over the past decades, become the dream holiday destination, for many a foreign tourist. Goa's rich cultural heritage comprises of dances, folk songs, visual arts, music and folk tales rich in content and variety.

Goans are born music lovers; most Goans can pluck at a guitar or pick out a tune on the piano. Music is in the blood of Goans since time immemorial; in almost every family you would find a pianist or a guitarist. Being a part of the culture, music of Goa is a blend of east and west. While the rural areas still stick to the traditional forms of music, the urban areas have shifted to a more modern version. You would get every kind of music from Portuguese to Techno and rave, but what has caught Goa these days is the Goa Trance. Goa Trance is a vibrant and psychedelic dance music that is best enjoyed on the dance drug LSD and is a powerful and kaleidoscopic tapestry of sound. Of late Goa Trance has also made an impact in the international music circles. The music is so much in demand in parties that they are now called the trance parties. The almost forgotten folk dances Dhalo, Fugdi, Corridinho, Mando and performing folk arts (like Khell-Tiatro), Jagar-perani and many others have come out into their own.

Indeed the folk music and folk dances have crossed the borders of the state and become popular in the rest of the country during the past 25 years. Goan Food too forms an important part of the culture of Goa. Goa boasts of many different cuisines - the Konkan, the Portuguese and the Bahamani Nawabi traditions. The most preferred and liked drink of the Goans is known as Feni, which is made mainly from coconut water.

Some of the popular sports that are played in Goa include bull fighting as well as football. Moreover, wonderful fairs and festivals such Seista, a popular Hindu festival, are also celebrated in Goa with much enthusiasm. When you travel to Goa, you will find that Goa is famous for its Indo-Latin festivals especially the famous carnivals. These are the occasions when a Goan peasant manifests joy and happiness. Cultural heritage of Goa consists of numerous goa churches, temples and mosques. Moreover, Goa's exotic beaches that sprawl over wide and soft sands as well as the sea food of Goa are much admired and liked by people visiting Goa from different places. Goa's cultural richness and vividness is well reflected through Goan folk dances, Goan folk culture and Goan song It's been 40 years since the Portuguese left Goa and since then Goa has turned itself to being one of the most westernized and dashing places in India, which is much frequented and loved by tourists from across the world.



I am a Soldier

Sparsh Pandey (CSE III Year)

Snow came down & covered all brome,

Happy that his countrymen were comfortable at home,

The soldier smiled at his fellow troops,

They sang a song and drummed their scoops,

Little hands in blue ink, he kissed the trace,

Reading the letter, imagined his daughter's face.

A thunderous roar echoed all around, Bullets rained & there were chaos in sound, He picked his gun & held it tight, For the trust of his nation, he would fight, He was shot twice but held his pain, Victory was theirs but he wouldn't rise again.

Years later, in a news debate,

His commander sat, telling his fate,

They proposed to install the Tricolour on compounds

Some opposed, claiming there was jingoism all around,

The commander spoke about his soldier's death,

Let's install the flag & respect their wreath,

A panelist argued, it was not right,

The soldiers do their job & are paid to fight.



Education Triumphs Evil

Ankit Agarwal (CSE IV Year)

It is the best of time, it is the best of age, since human civilization has evolved. Today, we have answers to most of the questions; we have amicable and easy solutions of all types of intriguing problems. Power, acquisition, people are no more a property to one and no more blood sheds, human massacre, brutalities or molestations could be an outcome from any eccentric psychopathic mind. In India, we have literacy rate of 74.04percent and the world is at 86.3. However, there are still gaps to match but at this percentage, also we have acknowledged our responsibilities and course of actions. Flashing back in world's history, many disastrous episodes and situations occurred, where simple arguments brought human slaughter. It is well said for those days,

"Kill a few people you are a murderer; kill millions you will be called a conqueror"

Alexander the great, Napoleon Bonaparte, Adolf Hitler are the right metaphor for this statement.

It we peep in Indian history, alone in Mahabharat, six sixty million died. 'Battle of Kalinga' took the life of one hundred thousand people. Even to bring "Independence home" millions of Indians martyred their lives. It could also be comprehended at the world-level where desires of few led to the massacre of many, that too without any compunction. Unfortunately, this was so easy because those few were educated and rest kept themselves from education and enlightenment. The season of darkness, the winter of despair and all evils in their superlative degrees are put to an end with the rise of the education not only in the world but also in our country. Taking India as a concrete example, our literacy rate has gone up from 12% in 1947 to 75% as of today. With the increase of literacy rate, the communal tensions, political, social or religious riots are on the verge to perish.

In the recent cases, the mutual harmony shown by the country people, 'Demonetization, Article 370 or Ayodhya verdict' are the solid examples which reflect that human minds have developed in a better and certain order because of education? This is one out of many dimensions where we have witnessed a big change, only because of the rise of education. It can be taken as a fact that the with low literacy rate, such as South Sudan, Afghanistan, Niger and many others are still suffering from poverty, communal tensions, inequality of income and living standards. On the contrary, countries where minds have ignited through education are flourishing and elevating the life to the higher level.

Education in every sense is of the one the fundamental factors of development for a person, group, country or world. It brings productivity and creativity and promotes one at a higher level. Since the inception of human life until today, we have moved from dark to light, from foolishness to wisdom, from evil to good and we are ready to leave are footprints on the sand of time for future generations to learn, grow and enrich from our experiences and exposures.



Time Management for Better Tomorrow

Suraj Narwar (ECE II Year)

"**Time management**" is the process of organizing and planning how to divide your **time** between specific activities. **Good time management** enables you to work smarter – not harder – so that you get more done in less **time**, even when **time** is tight and pressures are high.... The answer lies in **good time management**.

Why you need to manage time?

Good time management allows you to accomplish more in a shorter period of time, which leads to more free time, which lets you take advantage of learning opportunities, lowers your stress, and helps you focus, which leads to more career success. Each benefit of time management improves another aspect of your life. Persistence and discipline is the key to achieve success through time management. To productively utilize time, one must not compromise their sleeping time. One must sleep for 8-10 hours a day to let their mind and body function effectively. Last but not least, – planning is only useful if it is rigorously followed.

Some rules for successful time management:

- Set goals correctly. Set goals that are achievable and measurable. ...
- Prioritize wisely. Prioritize tasks based on importance and urgency. ...
- Set **a time** limit to complete. Take **a break** between tasks. ...
- Organize yourself. ...
- Remove non-essential tasks/activities. ...
- Plan ahead.

It can be concluded that time management is all about the concept of balance. The most important thing that you can instill in your life is balance and moderation. The main purpose of learning and practicing time management skills is to enhance and improve the overall quality of your life....

Great minds have purposes, others have wishes. We cannot help ourselves without helping others. We cannot enrich our lives without enriching others. We cannot prosper without bringing prosperity to others.

—Janette Cole, Spellman College



प्राचीन भारतीय विज्ञान एवं प्रौद्योगिकी का वृत्तचित्र

Dr. D. S. Tomar, Associate Professor

Department of Physics

भारत की विज्ञान एवं प्रौद्योगिकी की विकास-यात्रा प्रागैतिहासिक काल से आरम्भ होती है। भारतीय ऋषि व मुनियों के द्वारा प्रकृति व प्राकृतिक घटनाओं पर आधारित शास्त्रों की रचना व वेदो का ज्ञान आज भी प्रासंगिक है। अतीत में भारत अपने इन्ही ज्ञान परम्पराओं से सम्पूर्ण विश्व का नेतृत्व करता था। सबसे प्राचीन वैज्ञानिक एवं तकनीकी मानवीय क्रियाकलाप मेहरगढ़ में पाये गये हैं जो अब पाकिस्तान में है। सिन्धु घाटी की सभ्यता से होते हुए यह यात्रा राज्यों एवं साम्राज्यों तक आती है। यह यात्रा मध्यकालीन भारत में भी आगे बढ़ती रही; ब्रिटिश राज में भी भारत में विज्ञान एवं तकनीकी की पर्याप्त प्रगति हुई तथा स्वतंत्रता की प्राप्ति के बाद भारत विज्ञान एवं प्रौद्योगिकी के सभी क्षेत्रों में तेजी से प्रगति कर रहा है। सन् 2009 में चन्द्रमा पर यान भेजकर एवं वहाँ पानी की प्राप्ति की नयी खोज करके इस क्षेत्र में भारत ने अपनी सशक्त उपस्थिति दर्ज की है। चार शताब्दियों पूर्व प्रारंभ हुई पश्चिमी विज्ञान व प्रौद्योगिकी संबंधी क्रांति में भारत क्यों शामिल नहीं हो पाया? इसके अनेक कारणों में मौखिक शिक्षा पद्धति, लिखित पांडुलिपियों का अभाव आदि हैं।

हमारे वेदों में ज्ञान-विज्ञान के सभी सूत्र मौजूद हैं लेकिन वे सभी सूत्र संस्कृत भाषा में होने के कारण हमें उसका ज्ञान नहीं हो पाता है। विदेशी अनुसंधानकर्ता जो हमारे देश की संस्कृति व ज्ञान एवं विज्ञान का अध्य्ययन करने आये उन्होंने हमारे संस्कृत के सूत्रों का अपनी (अंग्रेजी) भाषा में अनुवाद किया और वही सूत्र हमें उनकी भाषा में बताये इससे हमें लगता हैं कि यह उन्होंने ढूंढें हैं, और हम उन्हें विद्वान मानते हैं। जब कि हमारे भारत में आर्यभट्ट से लेकर भास्कराचार्य आदि वैज्ञानिक शोध करने वाले हो चुके हैं, जोकि अनेक आविष्कार पहले ही कर चुके हैं। लेकिन हमें यह सब पता नहीं होने के कारण हम विदेशी संशोधको के द्वारा किये गये संशोधन को मानते एवं जानते हैं। गुरूत्वाकर्षण शक्ति का सिद्धांत हमारे ऋग्वेद में पहले से संस्कृत सूत्रों के रूप में मौजूद है। ऐसे कई सारे उदाहरण हम बता सकते है जिसकी खोज करने वाले सबसे पहले भारतीय ही थे। महर्षि कणाद ने सबसे पहले अणु की खोज की थी। अन्न के कणों को एकत्र करते हुए उन्हें पदार्थ सूक्ष्मतम इकाई अणु का विचार आया था। गुरूत्वाकर्षण शक्ति का सिद्धांत हमारे ऋग्वेद में पहले से ही लिखा हुआ है। पायथागोरस के शोध के सिद्धांत भी वेदों मे मौजूद है। आज भी कम्प्यूटर के लिए यदि को भाषा सर्वश्रेष्ठ है तो वह संस्कृत ही है। प्राचीन भारतीय विज्ञान एवं प्रौद्योगिकी का विश्व में हमारे शास्त्रों के अनुसार तंत्र (system), यंत्र (Mechanism) व मंत्र पद्धति का आज भी कोई विकल्प नहीं है।

ग्रहों की संख्या एवं उनको गुण विशेषणों के बारे में ज्योतिष में पहले से ही शास्त्रों के अनुकूल वर्णन किया जाता है। गणितीय सिद्धांतों में भी भारत अग्रणीय है। 4 वेद और 6 शास्त्रों आदि को रचने वाले महर्षी व्यास व अनेक तपस्वी ऋषि–मुनि हमारे भारत में ही हुए हैं जिनकी शिक्षा विधा संपूर्ण विश्व को ''वसुधैव कुटुम्बकम" की संस्कृति से आलोकित कर रही हैं।

हमारा भारत सुपर कम्प्यूटर बनाने वाला देश है। चिकित्सा एवं वैद्यकीय क्षेत्रों में भी भारतीय आगे हैं। परमाणु एवं आण्विकी के क्षेत्र में भी भारतीय अग्रणी हैं। कृषि की पैदावार में हमारे भारत की को तुलना नहीं है। विभिन्नता में एकता को पिरोने वाला भारत देश ही है। आध्यात्मिक क्षेत्र में साधना करने वाले कई भारतीयों के नाम विश्व मंडल में अग्रणीय है जिसमें स्वामी दयानंद, स्वामी विवेकानंद आदि सर्वश्रेष्ठ हैं जिनके आध्यात्मिक ज्ञान का लोहा पूरा विश्व मानता है।

लेकिन वर्षों की गुलामी के कारण कई भारतीय लोग अपनी शक्तियों को भूल चुके हैं, इसलिए विदेश में बनने वाली वस्तुओं एवं अन्य को हम सर्वश्रेष्ठ समझते हैं। लौर्ड मेंकाले की पेट भरने वाली शिक्षा पद्धति के कारण हमारी विद्या का हमें विस्मरण हो चुका है।

भारतीय ज्ञान–विज्ञान न केवल औद्योगिक क्रांति का बल्कि परवर्ती काल में हुई प्रौद्योगिक उन्नति का भी केंद्र बिन्दु रहा है। भारत ने औद्योगिक क्रांति के लिए न केवल आर्थिक पूँजी प्रदान की वरन् विज्ञान की नींव के जीवंत तत्व भी प्रदान किये जिसके बिना मानवता विज्ञान और उच्च तकनीकी के इस आधुनिक दौर में प्रवेश नहीं कर पाती। विदेशी विद्वानों ने भी भारतीय ज्ञान, विज्ञान व प्रौद्योगिकी के क्षेत्र में भारत के योगदान की मुक्तकंठ से सराहना की है।

DIVINE HERB: TULSI

Dr. Nitin Agrawal, Head Faculty of Pharmacy

घर में तुलसी के पौधे की उपस्थिति न केवल श्रद्धा और विशिष्ट धार्मिक उद्देश्यों को पूरा करती है, बल्कि यह व्यक्ति को प्रकृति की रचनात्मक शक्ति से सीधे जोड़ती है। प्रकृति के साथ गहरा संबंध उपचार और जीवन-पुष्टि है; आज, प्रकृति के साथ संबंध के संभावित लाभ, जैसे कि स्वास्थ्य, भावनात्मक, सामाजिक और संज्ञानात्मक केवल पश्चिम में महसूस किए जा रहे हैं, जहां प्रकृति से वियोग और ''प्रकृति की कमी" आम हैं। प्रकृति से जुड़ाव के स्वास्थ्य लाभ पर वैज्ञानिक साहित्य की समीक्षा से पता चलता है कि ''प्रकृति की पहुंच मानव स्वास्थ्य, भलाई और विकास में महत्वपूर्ण भूमिका निभाती है जिसे पूरी तरह से मान्यता नहीं मिली है," और अब प्रकृति के साथ लोगों को फिर से जोड़ना एक वैश्विक आंदोलन है, जो प्रकृति की कमी, गतिहीन जीवन शैली, मोटापा, मानसिक स्वास्थ्य के मुद्दों, इलेक्ट्रॉनिक मीडिया के अत्यधिक उपयोग, पर्यावरण क्षरण, वन्यजीव विध्वंस, अस्थिरता और जलवायु परिवर्तन पर चिंताओं से उत्पन्न हुए हैं।

घर के केंद्र में एक जीवित तुलसी का पौधा रखने के पीछे गहरे वैज्ञानिक कारण है और प्राकृतिक दुनिया की चिकित्सा शक्ति को मूर्त रूप देने और एक निरंतर संबंध के रूप में सेवा करने के माध्यम से आधुनिक समस्याओं को सुलझाने में एक उपयोगी भूमिका निभा सकता है।

A boy was drowning in a river and he shouted for help. A man passing by jumped in the river and saved the boy's life. As the man was leaving, the boy said, "Thank you." The man asked, "for what?" The boy replied, "for saving my life." The man looked into the boy's eyes and said, "son, make sure when you grow up your life was worth saving."



कॉलेज के वो दिन

Nikhar Sadana (FT III year)

ये कॉलेज के दिन भी लौट के ना आएंगे यही वो पल हैं जो गहरी यादें छोड जाएंगे जबभी मेरे कॉलेज की बात आती है आँखों में कुछ अच्छी कुछ बुरी यादें छोड जाती है वो फर्स्टईयर में हर लेक्चर के बाद दोस्तों से कॉरिडोर में मिलने जाना वही कॉरिडोर सेकंड ईयर में आकर फासले बन जाना थर्डईयर में टीचर्स को सिर्फ फोन पर देख पाना फाइनलईयर का पता नहीं कब होगा मिल पाना बहुत याद आता है वो लेक्चर छोड़ हॉस्टल में सो जाना पर अब कहाँ है नींद से ऐसा दोस्ताना प्रेजेंटेशन की बीच वो दोस्तों का पीछे से चिढाना वो एग्जाम्स की दिनों में साथ पडते पडते बातों में लग जाना और फिर किसी एक की उठाने की ड्यूटी लगाकर सबका चैन से सो जाना वो कैंटीन की कोल्डडिंक का मजा फोटो कॉपी के लिए लाइन लगाना दोस्तों के साथ नोक झोक में पूरे कॉरिडोर की दौड़ लगाना खाना एक के घर से आकर सब में बंट जाना एक के कहने पर पुरी क्लास का गायब हो जाना सर समझ नहीं आया एक बोले पर सबका साथ खडे हो जाना उन खट्टी मीठी यादों में फिर से खोने का मन करता है अपनी फेवरेट लाइफ फिर से जीने का मन करता है।

जीवन की परिभाषा

Sparsh Pandey (CSE III Year)

मत बनो समंदर, माना कि उसमें गहराई है अगाध, लहरें हैं उसकी बाध्य नहीं और जल बहुत सारा है, पर उस जल का निष्कर्ष क्या, सारा का सारा खारा है, बनना है तो बनो नदी, जो जीवन की भांति बहती है, फसलों को उपजाती है, पथिकों की प्यास बुझाती है, मत बनो कभी तुम सन्यासी, माना कि सादा जीवन जीते हैं, हर वक़्त प्रभु की वंदनाकर, आत्मा का अमृत पीते हैं, पर उस अमृत कालाभक्या, जो जिम्मेदारी से भागे, धारण कर गेरुआ वस्त्रों को, समाज के प्रति कर्तव्यों को त्यागे, बनना है तो बनो किसान, जो पेट दुनियां का भरते हैं, बन जाओ तुम सैनिक वो, वतन पर प्राण न्योछावर जो करते हैं, बन करके एक शिक्षक तुम समाज का कल्याण करो, अपने साथ साथ औरों के लिए भी तुम काम करो।।



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लक्ष्य

Ghanesh Baswan (FT IV Year)

अगर कुछ करना हैं, तो डट कर कर इस दुनिया से, जरा हट कर कर सीधी राह पर, तो हर कोई चले तू इतिहास के पन्नों को जरा पलट कर चल जब तक मेहनत का फल न मिलें रुक मत बस चलता जा जल की भाँति बहता जा तेरा लक्ष्य तेरे सामने होगा जो ठाना हैं, वोकर दिखाना होगा, बिना काम के मुकाम कैसा ? बिना मेहनत के दाम कैसा ? जब तक न मिले मंजिल, तो राह में आराम कैसा ?

खुद को कैसे समझाऊं में

Rishab Samadhiya (Faculty of Pharmacy III year)

जिन हाथों में हाथ रखा था वो हाथ मुझसे पूछ रहा कितना तन्हा और रखोगे तन्हा रह कर मर रहा साथ थी फिर भी अकेले दिल ये मुझ से पूछ रहा तुम बिन सब कुछ सूना लगता में प्रश्न खुद ही से कर रहा कुछ दिन बाकी है मिलने को हम तुम बाकी है मिलने को ये बारिश भी तड़पाती है वो पहला दिन तड़पाता है इस दिल को कैसे समझाऊं में कैसे इस को बतलाऊँ में तुम फिर से लौटकर आओगी ये खुद को कैसे समझाऊं में।



मुझे तो फार्मासिस्ट बनना है

Satyam Baghel (Faculty of Pharmacy II Year)

हर साँस में हर अहसास में, ये मुझे अब भरना है। मुझे तो फार्मासिस्ट बनना है। ये मुश्किलें, हिस्सा है। मेरी जिन्दगी का इनसे मुझे लड़ना है। मुझे तो फार्मासिस्ट बनना है।

> धारा में बह जाते हैं। नदी के सब, मुझे इस धारा को चीर करके बढ़ना है मुझे तो फार्मासिस्ट बनना है। ये बेसहारा, बेचारे, अभावों के मारे, उनकी बीमारी के लिए कुछ न कुछ तो करना है। मुझे तो फार्मासिस्ट बनना है।

लेने दो जिन्दगी को इम्तिहान, ऐसे न जाने कितने इम्तिहानों से गुजरना है, मुझे तो फार्मासिस्ट बनना है। पंखों को फड़फड़ाने दो, अभी तो इन पंखों से बहुत ऊपर उड़ना है। मुझे तो फार्मासिस्ट बनना है।

> पहन कर सफेद कोट करना है मुझे प्रयोगशाला में कार्य और नयी दवाइयों की खोज, मुझे तो फार्मासिस्ट बनना है।

पिता की मेहनत माँ की तपस्या का निर्मल हल निकालना है। मुझे तो फार्मासिस्ट बनना है। भाई-बहनों के लिए एक चमकता हुआ सितारा बनना है मुझे तो फार्मासिस्ट बनना है।



। । ऐसा मेरा वतन होगा । ।

Anshu Varun (ME II Year)

जहां हर बच्चा-बच्चा खिलता हुआ चमन होगा जहां हर एक बालक कलाम और रमन होगा जहां हर मानव के अन्दर सहजता का गगन होगा ऐसा मेरा वतन होगा, ऐसा मेरा वतन होगा।1।

जहां शिक्षा का हर पल खिलता हुआ कमल होगा जहां अत्याचार हमेशा निर्बल और असहज होगा जहां पत्थरों के अलावा अस्तित्वों का श्रजन होगा ऐसा मेरा वतन होगा, ऐसा मेरा वतन होगा।२।

जहां प्रत्येक हृदय में सत्यता का गमन होगा जहां हमेशा बड़ों के आगे हम सबका नमन होगा जहां हर आलय खुशियों से भरा हुआ भवन होगा ऐसा मेरा वतन होगा, ऐसा मेरा वतन होगा।३।

जहां जात-पात और भेदभाव का हर पल दमन होगा जहां हर संतान अपने माता-पिता का श्रवन होगा जहां हर मनुष्य के पास संतोष नाम का धन होगा ऐसा मेरा वतन होगा, ऐसा मेरा वतन होगा।४।

जहां सरहदों पर भी शान्ति और अमन होगा जहां हर औरत के अन्दर लक्ष्मी बाई का जनम होगा जहां बेटीयों को छेड़ने वालों का अस्तित्व नगन्य होगा ऐसा मेरा वतन होगा, ऐसा मेरा वतन होगा।५।

"A nation is held together by shared beliefs and shared attitudes. That is what enables them to rise above the conflicts that plague any society. That is what gives a nation its tone, its fiber, its integrity, its moral style, its capacity to endure."

-John Gardner



शिक्षकों को समर्पित एक कविता

Muskan Saxena (BT II Year)

शिक्षक की गोद में उत्थान पलता है। सारा जहां शिक्षक के पीछे ही चलता हुआ पेड़ शिक्षक का बोया बनता है। वही पेड़ हजारो बीज जनता है।। शिक्षक काल की गति को मोड सकता है। शिक्षक धरा से अम्बर को जोड सकता है।। की शिक्षक महिमा महान होती है। शिक्षक बिन अधूरी हूँ वसुन्धरा कहती है।। याद रखो चाणक्य ने इतिहास बना डाला था। क्रुर मगध राजा को मिटटी में मिला डाला था।। बालक चन्द्रगुप्त को चक्रवर्ती सम्राट बनाया था। एक शिक्षक ने अपना लोहा मनवाया था।। संदीपनी से गुरु सदियों से होते आये है। कृष्ण जैसे नन्हें नन्हें बीज बोते आये है।। शिक्षक से ही अर्जुन और युधिष्ठिर जैसे नाम है। शिक्षक की निंदा करने से दुर्योधन बदनाम है।। शिक्षक की ही दया दुष्टि से बालक राम बन जाते हैं। शिक्षक की अनदेखी से वो रावण भी कहलाते हैं।। हम सबने भी शिक्षक बनने का सअवसर पाया है। बहत बडी जिम्मेदारी को हमने गले लगाया है।। आओ हम संकल्प करें कि अपना फर्ज निभायेंगे। अपने प्यारे भारत को हम जगत गुरु बनायेंगे।। अपने शिक्षक होने का हर पल अभिमान करेंगे। इस समाज में हम भी अपना शिक्षा दान करेंगे।।

Let me share a famous life history with you. This was a man who failed in business at the age of 21; was defeated in a legislative race at the age of 22; failed again in business at age 24; had his sweetheart die when he was age 26; had a nervous breakdown at the age 27; lost a congressional race at age 34; lost a senatorial race at age 45; failed in an effort to become Vice- President at age 47; lost a senatorial race at the age 49; and was elected president of the United States at age 52. This man was Abraham Lincoln.

औरत

Mohd Shuhood Qureshi (Faculty of Pharmacy II year)

वो कभी माँ बनकर हमारी हौस्लाफज़ाई करती है, कभी बहिन बनकर हम से दोस्ती निभाती है, कभी पत्नी बन कर हमारी हमराह बनती है, तो कभी बेटी बनकर हमारा गौरव बढ़ाती है, वो एक औरत है जो हमारी ज़िंदगी में कई किरदार निभाती है, जिसके बिना हम अधूरे, हमारी ज़िंदगी अधूरी, ये जहाँ अधूरा है।।

प्रकृति

Deepika (BT II year)

प्रकृति भी शोक मनाती है जब जाता कोई अपना तो छाया सी ये छा जाती है जब आता कोई सपना तो दिन भर ये जगमगाती है ये प्रकृति है ये मौनता से सब कह जाती है कभी बादलों की गरजनो से क्रोध अपना जताती है रोती है जब तब सात रंग नए दिखलाती है न जाने कब ये सोती है रात के घने अंधेरे में भी आवाज अनसुनी सी होती है है ये दुनिया बड़ी सघन हे प्रकृति आज में करता तुझको नमन।

"Always try to represent yourself happy because initially, it becomes your look. Gradually it becomes your habit and finally, it becomes your personality."

"Your body is a weapon and consider it very strong. Consider your mind to be very strong as only with strong mind and body you will be able to cross the ocean of life. Have strong faith in yourself, your body and mind."

—Swami Vivekananda



ALUMNI SPEAK



I am very privileged to be a part of R.B.S Engineering Technical Campus, Bichpuri, Agra. I owe special thanks to the faculty of Pharmacy as all the teachers helped me a lot to hone my learning skills during the entire course. The friendly environment and systematic approach towards imparting education made me a competent individual.

> Saurav Kumar (B.Pharm.) Quality officer Unichem Laboratories limited.



A thankful heart is not only the greatest virtue, but the parent of all the other virtues. I am thankful to faculty of pharmacy R.B.S. Engineering Technical College for providing the best education and knowledge.

Piyush Chauhan (B.Pharm.) Sales executive Sun Pharma



One of the most interesting stages in life that gives you an opportunity to explore is the College stage. My days at FETRBS COLEGE are precious memories of fun, activity and enjoyment together with studies. College made me the person who I am today... Bold & confident...!! I am thankful to all the passionate teachers who were kind and well prepared for sharing their wisdom and experience with us.

Er. Sanatan Pandey (B.Tech. BioTechnology) Senior Executive Lupin LTD



It would be difficult to sum up four years of RBSETC in just few lines. I must say that the learning and exposure which RBSETC gives is just commendable. The faculty is just amazing and they stand by you from the first day to the end of placement days.

Apart from the curriculum there are a lot of societies for students the best part of college is that they give you internships and placements in best reputed organizations. During the most crucial time of placement, the faculty and placement team provides students with lot of preparatory sessions so that they come up with their best. I feel RBSETC is the wholesome basket for one who is looking to pursue bachelors in technology and I will definitely cherish these moments forever.

Will always remain your student

Thank you RBSETC once again for being my best memory.

Sanidhya Singh (B.Tech. Mechanical Engineering) Scientist-B, Farelabs Pvt Ltd Gurgaon

ALUMNI SPEAK



The four years of time spent with this institution was the best time I had in my life & every moment spent in this campus is still very precious. It was wonderful experience with an excellent exposure provided across the various platforms. The faculties are very supportive & encourage students to push their boundaries to rise above expectations. RBS targets for an overall development of every student, be it education, cultural awareness, sports, or practical exposures. The knowledge & transformation I had with this college is the reason I find myself successful today. I am proud to be RBSian.

SHIVAM SINGH (B.Tech. Mechanical Engineering) QUALITY ENGINEER SKH Y-TEC INDIA PVT. LTD.



When I reflect on being an FET Raja Balwant Singh Technical Campus, Bichpuri, Agra student, I conclude that the experience enabled me to learn more and grow stronger, not just academically. Since I graduated in 2008, have been to 47 countries and have worked with personals from all 6 continents. One thing which clearly stands out is "No one can question my technical abilities and compete with my conscientious nature" which I developed during my college days.

FET Raja Balwant Singh Technical Campus, Bichpuri, Agra, it was an immense honor and a privilege to be part of you. As a result of valuable experiences, I had encountered, I'm now a stronger, more refined and intelligent version of me. Nevertheless, my journey at this college has been significantly enriched by help from my professors; I salute and thank them for guiding, shaping and molding me.

PUSHPENDRA SINGH (B.Tech. Food Technology) Manager, Health and Safety Atlantis Dubai United Arab Emirates



It gives me immense pleasure to know that our beloved college "Raja Balwant Singh Technical Campus, Bichpuri, Agra" is doing very good exertion in providing technical education in the field of Food Engineering. It is high honor for me to write something for our annual college magazine "SRAJAN".

The all-time support and motivation of the friendly faculty members of RBSETC has enlightened me throughout the beautiful journey. I am Very Much Thankful to RBSETC Always. Few words for my Gurus (mentors) specially Mr. A. B. Lal & Mr. Ashish Khare Sir "Many thanks for your great efforts & your passion for making such a conglomeration of successful students, people from our college since 1996".

Sudhir Mishra (B.Tech Food Technology) QA Manager Mondelēz India Foods Pvt. Ltd. Ludhiana- Punjab.

ALUMNI SPEAK



Every branch of engineering has it's own importance, value, and interest. All are relative and complementary to each other. Among the many branches of Engineering, Chemical Engineering is one of the most popular one. I opted for chemical branch and really enjoyed it a lot during my B.Tech from RBS Engineering Campus,Bichpuri, Agra. There is a vital scope for chemical engineers for decades in many process industries and research centers etc. Currently I am employed in **Bhabha Atomic Research Centre (BARC)**, **Mysore** as a Scientific Officer & serving for country by enhancing the fuel quality required for efficient power generation with minimum possible waste. At present, I am involved in designing of setup for fuel refining and also preparation of layout & relevant documents for new upcoming facility. Concluding in a single line, decision for opting chemical branch has been very fruitful & enjoyable for me since year 2008.

Vivekanand Patel (B.Tech. Chemical Engineering) Scientific Officer Bhabha Atomic Research Centre, Mysore



First of all, I wish to thank RBSETC for moulding me into a successful professional that I am today. As per my knowledge a 'combination of discipline and education can only build a successful professional', on this way here professors are truly cared about each and every student's discipline & education, where they didn't see as just a number. For providing me with lifelong mentors who I know I could always go to any point in my career by carrying the moral's and knowledge thought my professors, Once again I should really thank all the faculties of the department for helping me to achieve excellence in education which provided me a successful career and happy family.

Akash Kumar Tomar (B.Tech. Chemical Engineering) Scientific Officer Nuclear Power Corporation of India Limited, Mumbai, Maharashtra.



Pradeep Kumar Singh (B.Tech. Electronics & Communication) Technical Leader Nokia, Bangalore



I am blessed to be part of RBSETC, Agra. The college provides excellent opportunities to the fresh talented minds. College has got amazing infrastructure to help the students to work on their curricular and extracurricular activities. Lecturers immensely dedicated on their time and energy to nurture a student's mind and they also encourage students to participate in nationwide symposiums to get hold of the latest trends.

> Sumit Yadav (B.Tech. Electronics & Communication) Strategy Plannner SOMFY

SOME PRESTIGIOUS ALUMNI



OM PAL SINGH Assistant Director Advanced Level Telecom Training Centre



ANUVESH GUPTA DM-Sourcing & Material Development Samsung, Noida



AVADHESH PANDEY Scientist B ISRO



Anuj Sisodia TCS



Mayank Saxena Magnum mi Steel Pvt Ltd Bawal Haryana



Aditya Pathak Globe Civil Projects P.Ltd



Monika Rawat Head, Regulatory Affairs Heinz India, New Delhi



Sapna Bisht Head- Corporate Quality & Food Safety Dukes Products India Ltd., Rudrapur



Chahar Pushpendra Singh Environmental Health & Safety Manager Atlantis-The Palm, Dubai

INSTITUTE IN THE NEWS

आरबीएस इंजीनियरिंग संकाय को एकेटीय ने अपने बेहतर शिक्षा के लिए मिला अवार्ड

आगरा। एकेटीयू डाग शिक्षा व तकनीकी के क्षेत्र में उत्कृष्ट कार्यों के लिए राया बलवंत सिंह इंजीन्विशि टेनिन्हलू के पस को सम्मानित किया वा है। वह सम्मान बलवंत केशनल सोसावटी के सचिव राज ू बिरोस पाल सिंह को पूर्व कुलपति केटीय प्रो. प्रेमवत ने दिया। ਰਿਉਰ ਕੇ

भी विकास किया जाता है। सम्मान ग्रहण करने के दौरान कॉलेज के निदेशक वित्त एवं प्रशासनिक डॉ. फंकन गुप्त, निर्देशक अकेडनिक डॉ. बीएस कुशवाह भी प्रो. प्रेमव्रत। बुतावा गया था इसमें विश्व के क्षेत्र सम्माति किया गया। अगग में राग व शिक्षकों को बेहतर प्रदर्शन करने वाले कॉलेजों को बलवंत सिंह इंजीनियरिंग टेविनकल मेन्द्र रहे।



स्थापना दिवस पर

किया सम्मानित

सोसायटी के सचिव को

. कैंपस को इस अवार्ड के लिए चुन

अवाई पने के बाद कहा कि राज अवार्ड पन क बाद कहा कि राजा बलवंत सिंह इंजेनियरिग कैंपस आएग मंदल में एक वट वृक्ष के रूप में स्थापित हो चुका है। वहां छात्रों का शिक्षा के साथ-साथ उनका सर्वांगेग भी विकास किंगा जाता है।

गवा। राजा अंबरीझ पाल सिंह

एजुकेशनल सोसावटी के सचिव राजा

अंबरीज्ञ पाल सिंह को अवार्ड देते

पूर्व कुलपति

आरबीएस में हुआ ओरियंटेशन सेशन A GRA : आरबीएस इंजीनियरिंग टैविनकल कैम्पस में सत्र 2019-20 ओरियंटेशन सेशन का आयोजन हुआ. यह संशन २१ दिनों तक चलेगा. इसमें न्यू स्टुडेंट्स को स्कूल के नियम कायदों से अवगत कराया गया, इसमें सेजन में क नियन फाय्य से अयंगत करवेवा गया. इसमें संसन म मैमोरी मेम, वाद विवाद प्रतियोगिता, डॉक्यूमेंट्री कित्म का आयॉजन हुआ इस मेके पर डीन डॉ. अपूर्व बिवरी लाल, डॉ. शवियति पांडेय, डॉ. विवेक कुमार, डॉ. अनुराग कुलश्रेष्ठ, डॉ. दुर्थ्यत सिंह, इंजी. आशीष खरे, इंजी अमित अग्रवाल, इंजी लवकुश शर्मा मौजूद रहे.

आरबीएस के छात्र ने बनाई कीटनाशक स्प्रे मशीन



धेत्र में यह मसीन बहुत ह अवसर पर इंगी. अनु असीप कारत, अरुष 1 प्रचारी ठी. आसीप सू अधिपेक सीचर से संपालित कुशवाह स्वभ मार किया है उत्साहवर्धन किय सवित होगा। मसीन भविष्य में से ठात्र के साथ रहकर उनका 11 डीं. कुशबंड ने बताबा कि वह रति के क्षेत्र में मौल का पत्थर सावित अपूर विह आरबीएस टेक्निकल कैंपस में कार्यशाला

आगरा। राजा बलवंत सिंह इंजीनियरिंग टेक्निक कैंपस बिचपरी में भारतीय A.9. प्रौद्योगिकी संस्थान मुंबई ने शिक्षा पर राष्ट्रीय मिशन आईसीटी, एमएचआरडी के सहयोग से 'लिनक्स

विषय पर शिक्षकों एवं रिसर्च स्कॉलरों के लिए कार्यशाला का आयोज-किया। इसका उद्घाटन कोर्स इंस्ट्रक्टर प्रे. कुमार अप्पाइया एवं आईआईटी मुंबई के प्रे. कन्नन मुद्गालय ने किया। संस्थान के निदेशक प्रो. बीएस कुंशवाह ने आईआईटी मुंबई के सहयोग की सराहना की। कार्यश समन्वयक इं. लवकुश वर्मा ने बताया कि लिनक्स का प्रयोग शोध के क्षेत्र में किया जा सकता है। इस मौके पर रिमोट सेंटर समन्वयक डॉ. विवेक कुमार श्रीवास्तव, प्रो. बजेश कुमार सिंह, डॉ. श्रद्धारानी सिंह, डॉ. आशीष शुक्ला, इं.

रामगोपाल शर्मा, इं. अमत अग्रवाल, इं. आलोक सिंह आदि मौजूद थे।

Cant

राजा बलवंत सिंह टेविनकल कैंपस, बिचपुरी में कार्यक्रम के दौरान अतिथि व विशेषज्ञ।

इंटरनेट पर निर्भरता को लेकर सचेत रहें युवा

आगरा। राजा बलवंत सिंह टेक्निकल कैंपस, बिचपरी में नव प्रवेशित छात्रों के लिए डॉ. एपीजे अब्दल कलाम प्राविधिक विश्वविद्यालय, लखनऊ व अखिल भारतीय तकनीकि शिक्षा परिषद, नई दिल्ली द्वारा संस्तृत अधिष्ठापन कार्यक्रम के अंतर्गत 6 अगस्त से 10 अगस्त को विभिन्न रचनात्मक. कलात्मक, बौद्धिक प्रतियोगिताओं का आयोजन किया गया। संस्थान में विशेषज्ञों द्वारा लेक्चर करवाए गए। साइबर सिक्योरिटी एक्सपर्ट रक्षित टंडन ने युवा पीढ़ी को इंटरनेट पर निर्भरता को लेकर सचेत किया। डीन डॉ. अपूर्व बिहारी लाल, डीन छात्र कल्वाण डॉ. शचिपति पांडेय, डॉ. श्रद्धारानी सिंह, इंजी. लवकुश शर्मा उपस्थित रहे।

आरबीएस इंजीनियरिंग कैंपस में 21 दिन तक छात्रों ने किया रजन

DLA News

भागस। राजा बलवंत सिंह इंजीनियरिंग टेक्निकल कैंपस में एकेटीय विवि व एआईसीटीई द्वारा चलाए जा रहे 21 दिवसीय ओरिएंटेशन कार्यक्रम समापन बुधवार को हो गया। इसमें छात्रों ने विभिन्न प्रतियोगिताओं में भाग लेकर अपने हुनर को प्रदर्शित किया। इस कार्यक्रम का उद्देश्य छात्रों की प्रतिभा को बाहर लाना और उनके अंदर की छिछक को खत्म व हुनर को तराशना था। एक अगस्त से यह कार्यक्रम शुरू हुआ था।

कार्यक्रम में वाद-विवाद प्रतियोगिता, क्राफ्ट मेकिंग, रेस, निबंध लेखन प्रतियोगिता, इंडोर गेम्स, म्युजिकल चेयर प्रतियोगिता सहित दो दर्जन प्रतियोगिताएं हुई। नए प्रवेश लेने वाले छात्रों ने ही इसमें प्रवेश लिया। हर प्रतियोगिता में छात्रों ने अपने आप को बेहतर तरीके से प्रदर्शित किया। छात्रों को साइबर सेल की जानकारी देने को एक दिन साइबर सिक्योरिटी एक्सपटं रक्षित टंडन से भी मार्गदर्शन कराया।



राजा बलवंत सिंह इंजीनिवरिंग टेक्निकल कैंपस में ओरिएंटेशन कार्यक्रम के समापन अवसर पर प्रतिभागियों के साथ निदेशक अकेडमिक डॉ. बीएस कुशवाह, निदेशक वित्त एवं प्रशासनिक डॉ. पंकज गुप्ता, डॉ. आशीष शुक्ला एवं अन्य।

निदेशक अकेडमिक डॉ. बीएस कुशवाह ने कहा भी होती है। निदेशक वित्त एवं प्रशासनिक डॉ.

जाते रहेंगे। इधर प्रतियोगिताओं में उत्कष्ट प्रदर्शन कि ऐसे कार्यक्रम से छात्र पढ़ाई के तनाव को भूल करने वाले छात्रों को सम्मानित किया गया। कार्यक्रम जाते हैं। साथ ही साथ उनमें आत्मविश्वास में बुद्धि में डॉ. शचिपति पांडे, डॉ. एबीलाल, डॉ. आशीष शुक्ला, डॉ. विवेक श्रीवास्तव, डॉ. श्रद्धारानी सिंह पंकज गुप्ता ने कहा कि आगे भी ऐसे कार्यक्रम कराए 🛛 डॉ. प्रतिमा, इंजी. लवकुश शर्मा आदि उपस्थित रहे।

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आरबीएस इंजीनियरिंग कैंपस में प्रथम वर्ष के छात्रों के लिए हुई प्रतियोगिता



आरवारः कानावरंग ययः मा आवाशता न मालर हाउ प्रस्म वयः छात्र २ छ. अगराः आरयोग्स इंजीनियगिः टीक्निकल केरस, विष्युष्ट्री में इंजीनियगिः १: वित्रोलाओं को पुरस्तत किया या। संस्थान के निर्देशक डॉ. वॉस्टा कुठावात् पंकज युजा, डॉ.न डॉ. अपूर्व विडारी स्लार, डॉ. सांचियति पांडेव, डॉ. विविष ज् अंत्रायात्व. डॉ. अर्ज्य विडारी स्लार, डॉ. सांचियति पांडेव, डॉ. विविष ज् अंत्रायात्व. डॉ. अर्ज्य विडारी स्लार, डॉ. सांचियति पांडेव, डॉ. विविष ज्

छात्रों का हुआ कैंपस प्लेसमेंट

आगरा। आरबीएस इंजीनियरिंग टेक्निकल कैंपस में शुक्रवार को कैंपस प्लेसमेंट का आयोजन किया गया। कैंपस प्लेसमेंट में ग्लोबल ऑटोटेक के एचआर अनज पालीवाल ने छात्रों का साक्षात्कार लिया। प्लेसमेंट प्रक्रिया में मेकेनिकल और इलेक्टिकल के नौ छात्रों का चयन किया गया। चयनित छात्र-छात्राओं के चेहरे खिल उठे। निदेशक डॉ. बीएस कुशवाह और डॉ. पंकज गुप्ता ने चयनित छात्रों को उज्जवल भविष्य की शुभकामनाएं दी।



प्रोजेक्ट पसंद आने पर मिलेगी १५ लाख की ग्रांट (22 Feb)

आरबीएस कॉलेज के तीन छात्रों का इंफोसिस में चयन



रा। आरबीएस इंजीनियरिंग टैक्निकल स बिचपुरी के इलेक्ट्रानिक्स एंड निकेशन इंजीनियरिंग विभाग के चतुर्थ

्रा ि ि दिन करने के सिंह के सिंह करने के स्वार्थ करने में अंतिम रूप से प्रयतित विषयविवालत के कुलराति को पा क्या कैरस विषयूरी के इलेक्ट्रनिस्स एंड ग्रेकर सस्यान का नगरावील्या किकार्ट। जालि किसा के रिसेक्स कयूतिकेलत इतिनिर्दार्थनि शिभा के बजुरे डॉ. एसी के अबुल कलान विविध दारा चौरस, कुलरात के प्रायति के वर्ष के तो डाठ-राठाओं का इफीसस लातात अपने संबद्ध प्राविधिक कलियों आहीता है। दासा ने परिस्ताक कर्मने में अंतिम प्रथं क्या के इफीसस लातात अपने संबद्ध प्राविधिक कलियों आहीता है। दासा के स्टिस्क के साम विधिक सा विवाद के क्या नाजा के किसा लातात उसने संबद्ध प्राविधक कलियों आहीता है। स्वार्थ क्या के का क्या बे के सिंधल, राजन सिंह और चिंतग रामां किया गया था। इसमें आरबीएस लगे रहने को प्रेरित किया।

राजा बलवंत सिंह इंजीनियरिंग टेवनीकल कैंपस में हुई ऑनलाइन अंतरराष्ट्रीय कांफ्रेंस नागरण संवाददाता आगारा : राजा बलवंत सिंह इंजीनियरिंग टेक्नीकल कैंग्रस में दो दिवसीय ऑनलाइन अंतरराष्ट्रीय कांफ्रेंस का शनिवार को समापन हुआ। अंतिम दिन 33 शोध पत्र प्रस्तुत किए गए।

पत्र प्रस्तुत किए गए। ओमान से डॉ. देवेंद्र कुमार ने बावोलॉजिकल एएलीकेशंस ऑफ एलूड मैकेनिक्स पर विचार रखे। नोयँडा से डॉ. सीमा गर्ग ने स्मिवल नावडा स डा. साना गग न स्नियल ऑफ ऑर्गेनिक पाल्यूटेंट्स यूसिंग ग्रीन टेक्नोलॉजी पर चर्चा की। पुर्तगाल की प्रो. सेंड्रा पाइनेलास ने नॉन ऑसिलेटरी सॉल्स्प्रांस द थर्ड ऑर्डर न्यटरल डिफरेंस समीकरणों पर विचार रखे। डॉ. आशुतोष कुमार ने टेक्नोलॉजिकल एडवांसेज इन

प्रीडिकटिंग द सिग्नेचर अर्थ क्वोकेस पर चर्चा की। डॉ. शचिपति पांडेय ने अतिथियों का स्वागत किया। वित्त जन्माजना का स्थागता किया। विता संख्यांग रहा। एवं प्रशासनिक निदेशक डॉ. पंकज - शिक्षकों को मिली अविरित गुप्ता ने शोधार्थियों को बधाई दी। जिम्मेदारी: डॉ. भीमराफ आंबेडकर

सहयोग रहा।



कांफ्रेंस के अंतिम दिन प्रस्तुत हुए 33 शोधपत्र

अकादमिक निदेशक प्रो. बीएस विष्टवविद्यालय में शनिवार को कई क्लावाह और डीन प्रो. अपर्व बिहारी

लाल ने धन्यवाद ज्ञापित किया। संचालन डॉ. सलोनी श्रीवास्तव ने सौंपी गई। किया। डॉ. सपना तोमर, डॉ. अमित कुमार, डॉ. श्यामवीर आदि का का

समितियों का गठन किया गया और कई शिक्षकों को अतिरिक्त जिम्मेदारी विष्टवविद्यालय अतिथि गृह तथा

जेपी सभागार के लिए प्रो. अचला गक्खड़ तथा डॉ. सलीम जावेद को इंचार्ज नियुक्त किया गया। राष्ट्रीय शिक्षा नीति के चरणबद्ध तरीके से

क्रियान्वयन के लिए 15 सदस्यीय गहकार समिति का गठन किया 1, जिसके अध्यक्ष प्रो. सुगम गवा. आनंद हैं। इडले सर परिसर के विकास व भवनों के वैकल्पिक प्रयोग के लिए भी सात सदस्यीय समिति का गठन किया गया, इसका अध्यक्ष प्रो. वीके सारस्वत को नियुक्त किया गया। स्ववित्त पोषित महाविद्यालयों में संचालित पाट्यक्रमों में शिक्षण कार्य के लिए शिक्षकों की नियुक्ति के लिए चयन समिति का पर्यवेक्षण करने को भी शिक्षकों का पैनल बनाया गया। इस पैनल में 15 शिक्षक हैं, जो 21 से 31 सितंबर तक जेपी सभागार में होने वाली चयन समिति की कार्यवाही की पर्यवेक्षण आख्य कुलपति व कुलसचिव को देंगे। उत्तर प्रदेश विश्वविद्यालय विकास संगठन सोसायटी की व्यवस्थाओं के समन्क्य के लिए प्रो. लवकुश मिश्रा को जिम्मेदारी सौंपी गई।

टैक्निकल कैंपस के छात्रों ने वह उपलब्धि अर्जित की। बलवंत अर्जित को। बलवंत एजुकेशनल सोसाइटी के सचिव युवराज अम्बरीश पाल सिंह ने चयर्नित छात्रों की उपलब्धि पर प्रशंसा व्यक्त की है। उन्होंने बताया कि यह कैएस जुज हेन्न का सर्वोत्तम इं जीनियरिंग कॉलेज बनने की ओर अग्रसर है। संस्थान के निदेशक संस्थान का नप्रसन डॉ. पंकज गुप्ता ने भी छात्र-छात्राओं की सफलता पर बधा ई दी

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राजा बलवंत सिंह इंजीनियरिंग टेविनकल कैंपस में शिक्षक दिवस पर निदेशक अकेडमिक डॉ. बीएस कुशवाह और निदेशक वित्त एवं प्रशासनिक डॉ. पंकज गुप्ता को श्रेष्ठ शिक्षक सम्मान समारोह से नवाजा गया। इस दौरान डॉ. एबी लाल, डॉ. विवेक श्रीवास्तव, डॉ. दुष्यंत सिंह, डॉ. सपना तोमर आदि उपस्थित रहीं।

आरबीएस इंजीनियरिंग कॉलेज के छात्र-छात्राओं का सम्मान



अप्रदेशिकर्सना के उन्हें 1500 रुपये को पहर सौते AGRA (26 Aug.): बॉक्ट दुम्मर के वॉस् से प्रतं परियं आव्युत करना प्रतिथिक सुभ्यमध्यको दित्ते प्रत्या रवन सिप्यं विस्ताय का प्रतिय के प्राप्त दिवस्य नवते। अप्रवेतिय प्रतिभ स्थानमा सम्प्रेत स्था को सीती से संसत के से आवसिप देवीनिसीर टेनिक्तन, दिलेक एपं प्राप्तानिक अधिकारी कैपस विषयुरी के स्टूटेंट्स मे बाजी दां बंक मूरत में प्रतिभा सम्पान सा के कुपाली के प्रतिदेश एपेजे अञ्चल कलाम प्राविधिक विषयविद्यालय त्लावर द्वारा आयोजित प्रतिभा सम्मात सम्मयेद में आययोएस इंजीनियॉरिंग टेक्किक किस विषयुर्ध के स्ट्रेट्रेस ने बाखे मारी, कुलवाडे घोकेसर विनव कुमार एकत ने आस्पीपस इंजीनियॉरिंग टेक्निकल केपस विषयुर्ध की तृतीय वर्ष को छात्रा उद्यसन्त मिश्रा को खनायर न सम्मानच हुए जन-छात्राओं को को संस्थान के लिए पूंशी बताया. वहीं, संस्थान के निदेशक डॉ. बीएस कुलवाह ने छात्र-छात्राओं की बधार्य ने



← 19 July Inext Agra.pdf

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आरबीएस के डॉ. कुशवाह और डॉ. पंकज को श्रेष्ठ शिक्षक सम्मान

आगरा। बिचपुरी स्थित आरबीएस इंजीनियरिंग टेक्निकल कैंपस में शिक्षक दिवस के उपलक्ष्य पर आयोजित कार्यक्रम में संस्थान के डायरेक्टर डॉ. बीएस कुशवाह और डायरेक्टर एडमिन एंड फाइनेंस डॉ. पंकज झा को संस्कार मंजरी. ग्वालियर की ओर से श्रेष्ठ शिक्षक सम्मान-2020 से अलंकृत किया गया। इस मौके पर संस्थान के डीन डॉ. एबी लाल, डॉ. दुष्यंत सिंह, डॉ. विवेक श्रीवास्तव, डॉ. सपना तोमर, डॉ. एसपी पांडे, डॉ. नितिन अग्रवाल, इं. ठकुरेंद्र सिंह आदि मौजुद थे।

वेबिनार में अप्लाइड साइंसेस एंड ह्यूमिनिटीज पर हुई चर्चा

anra@inevt.co.in AGRA (15 July) : राजा बलवंत

सिंह इंजीनियरिंग टेक्निकल कैंपस बिचपुरी के एप्लाइड साइंसेज एंड ह्यमिनिटीज विभाग की ओर से रोल ऑफ एप्लाइड साइंस इन करंट सिनेरियो पर इंटरनेशनल वेबिनार का आयोजन किया गया. संयोजिका डॉ. सलोनी श्रीवास्तव ने बताया कि इस वेबिनार में देश-विदेश के एक हजार से अधिक पंजीकरण हुए तथा इसका 80 प्रतिशत पंजीकृत प्रतिभागियों ने सहभागिता की. संचालिका नितिका तोमर ने शभारंभ किया. मख्य वक्ता डॉ. देवेन्द्र

वेबिनार में मौजद वक्ता. विचार व्यक्त किए, प्रो, बीएस कशवाह ने कहा कि लॉकडाउन में इस तरह के वेबिनार न केवल छात्रों का जान बढाती कुमार ने रोल ऑफ स्टैटिस्टिकल डाटा है बल्कि आज इस कठिन हालातों में वजअलिजेशन इन करंट सिनेरियो का भी संस्थान छात्र हित के लिए कार्य कर रण दिया. डॉ. कोंडैयाह सेकु रेड्डी रहा है. प्रो. पंकज गुप्ता, प्रो. संपना तोमर





आगरा। राजा बलवंत सिंह इंजीनियरिंग टेक्निकल कैंपस, बिचपुरी आगरा के फुड टेवनोलाजी विभाग के तत्वावधान में खाद्य पदार्थों के लेबलिंग मानकों का वर्तमान परिदृश्य विषय पर वेबिनार का आयोजन किया गया।

को जावाजी विज्ञा गया। वेबिनार को मुख्य वबता जायडस वैलनेस प्रोडक्ट्स लिमिटेड की इं. मोनिका रावत थीं। फूड टेक्नोलाजी विभाग के विभागाध्यक्ष व संस्थान के डीन प्रो. अपूर्व बिहारी लाल ने सभी का स्वागत किया तथा डीन एकेडमिक डॉ. विवेक कुमार श्रीवास्तव ने संस्थान के इतिहास से परिचित कराया। इस मौके पर संस्थान के निदेशक प्रो. वीएस कुशवाह, निदेशक प्रशासनिक एवं वित्त प्रो. पंकज गुप्ता ने आयोजन के लिए बधाई दी। संचालन डॉ. आशीष खरे ने किया।

खाद्य पदार्थों के लेबल निभाते है साइलेंट सेल्समैन की भूमिका

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आरबीएस कॉलेज में आयोजित बेविनार में शामिल शिक्षक अत्यारण चारान में उद्यायात पालन न वालन तरवा गंचालन में कोलक डॉ. आगीच खरे ने किया कार्यात्रक में कार्यातन में ई आंतिप्र उद्या सिंह जा विशेष चोपदन था वार्यात्रम में डॉ. दूर्पल सिंह जॉ. जनेश सिंह, डॉ. सद्या रानी सिंह, डॉ. अमिन आवारन, डॉ. लावकुरा शर्मा विशेष रूप से उपरिथन थे।

आधुनिकता से परिचित होना बेहद जरूरी आगरा। आरबीएस इंजीनियरिंग

ने नैनो टेक्नोलॉजी रिलेटेड टू कैंसर पर

टेक्निकल कैंपस के मैकेनिकल विभाग की ओर से वेबिनार का आयोजन किया गया। विशेषज्ञ के रूप में मदन मोहन मानवीय विवि के डॉ. संजय मिश्रा और एआईटीआर इंदौर के प्रो. मनोज मोदी उपस्थित रहे। डॉ. संजय मिश्रा ने कहा छात्रों

को औद्योगिक क्षेत्र की आधुनिकता से परिचित होना चाहिए। प्रो. मनोज मोदी ने इलेक्ट्रिकल डिस्चार्ज मशीनिंग की कार्य प्रणाली को समझाया। निदेशक डॉ. बीएस कुशवाह, डॉ. पंकज गुप्ता, विभागध्यक्ष डॉ. अमित अग्रवाल. इंजी. अतुल जैन आदि मौजूद रहे।

ने भी विचार व्यक्त किए.

ा 'औद्योगिक क्षेत्र में आएगा बदलाव, बढेंगे अवसर'

- 1 अंतरिकोट्स व्याप्त के किलिकाल संकाय का । संस्थात के किलिकाल रही । संकार के दिरियन में किलिकाल संकाय का । संकार के दिराय में किलिका अदन मालगीय गांवा अतीर विशिध्ध अदन मालगीय आप किलिका अदन में तोने संस्थान में किलिका के स्वाप्त के किलिका के स्वाप्त के स्वार के स्वाप्त के स्वाप्त के स्वाय्त के स्वाप्त के स्वाप्त के स्वाप्त के 8
 - आरबीएस इंजीनियरिंग टेकि कैंपस की ओर से वेबिनान विरोषज्ञों ने दी जानका

- मिला। वाली ३ वेथिनार ने हिस्क मेवेरा अभित किया। पंकज कुलक्षेप परित्व सिरंह, स उसार दून में इंतावनाएंग के खेब में उस्वार सुरुष बच्चा एआदेशिल, इंटीर के प्रो मार्गवा से में 2 हरविष्ट्रकत मसॉर्मिय (इंडीरम्म) में इस्टोमाल होने वाले ट्रिस्स और डाइन्टरविष्ट्रकत तरक खेरे मताया उन्होंने आयुनिक हाइडिड मरोन के प्रयोग को की जनवारी से संबंधन के विवेरक को बीपस कुरमाड में कहा कि ने वकः... वित्त एवं प्रशास भी विष्यार रखे। भेष कावरा, अरुग जीवात,

कोविड-१९ का सामना कर आगे बढने पर किया मंथन आगरा | कार्यालय संवाददाता विमर्श

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रीय देन

राजा बलवंत सिंह इंजीनियरिंग रतु गगो इस से में है। में न्द्र भोग होई होड इस 1भी



तारों की गणना





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