

GOVERNMENT ENGINEERING COLLEGE, AJMER

DEPARTMENT OF HUMANITIES & SCIENCES

NEWS LETTER

 <p>Vision</p>	Department Head Message	Mission
	<p>To strengthen the fundamentals for lifelong learning</p>	<p>The Department of Humanities and Sciences is one of the most important department having five disciplines e.g. Mathematics, Physics, Chemistry, English and Economics.</p> <p>The department has highly qualified, Well-experienced and motivated faculty in different disciplines. They regularly attend Seminars, Workshops, Faculty development Programs and Conferences to keep themselves current for efficient classroom management and to meet the challenges of a fast changing technical world. Knowledge in basic science forms the base of Engineering.</p> <p>The unique strength of the department is the excellent coordination in carrying out the academic responsibilities. The Department of Science and Humanities is pivotal for Engineering Education.</p> <p>The purpose of Science and Humanities in Engineering study is to lay a strong foundation of basic principles of various disciplines in the minds of the students. Knowledge in basic science forms the base of Engineering.</p> <p>This Department is devoted to foster the fundamental principles and understanding of science to enhance the students' basic knowledge of Engineering. Its objective is to provide value-based education to the budding scientists and engineers.</p> <p>Besides academics, the Department is actively involved in the development of students' personality, communication and soft skills to boost them in the modern and globally competitive environment.</p> <p style="text-align: right;">Dr. V. C. Jain Head</p>

CONFERENCE / SEMINAR WORKSHOPS CONDUCTED

1. Dr. Adarsh Mangal has conducted STC “Computational Techniques and Their Applications in Engineering” as Co-coordinator on September 11 – 15, 2018.
2. TEQIP-III Sponsored One Week Short Term Course was conducted by Department of Mathematics on “Differential Equations and Their Applications in Sciences and Engineering “on March 1-5, 2019.
3. Poster Competition on “To create the awareness of natural sciences among the students” was conducted by Department of Physics on March 7, 2019. This event was judged by Dr. Alok Chaturvedi and Dr. Vijay Sharma.

SHORT TERM TRAINING PROGRAM

1. Many faculty members attended TEQIP Summer Training Program on “Active Learning Workshop” at Indian Institute of Technology, Bombay on June 4-8, 2018.
2. Dr. Anil Maheshwari, Dr. Suresh Sahu, Ms. Shalini Walia , Dr. Shikha Agarwal and Dr. Anand Bansal have attended One week FDP on “Nature Inspired Algorithms for Engineering Applications” on July 23 – 27, 2018 at GECA.
3. Dr. V. C. Jain has attended One Week FDP on “Professional Development Training” on August 06-10, 2018 at IIM, Trichy.
4. Dr. V. C. Jain, Dr. R.P. Sharma and Dr. Anand Bansal have attended One Week Short Term Course on “Computational Techniques and Their Applications in Engineering” (Under TEQIP-III); September 11-15, 2018 Organized by Department of Civil Engineering, Govt. Engineering College, Ajmer in Twinning Arrangements with Veermata Jijabai Technological Institute, Mumbai.
5. Dr. Suresh Sahu has attended one week course active learning workshop on "PEDAGOGY" on Mar 11-15, 2019 at SMVD University Katra, J&K.
6. Dr. Anand Bansal and Dr. Suresh Sahu have attended Faculty Development Program on “Scheme of financial assistance for setting up of Electronics and ICT Academics” on May 20-24, 2019 at GECA.
7. Ms. Shalini Walia has attended One week FDP on Deep Learning & Applications on May 27-31, 2019 through Electronics & ICT Academy at GECA.
8. Dr. Deepika Sharma and Dr. Saroj Lakhawat have attended Two days workshop on “Research Projects, Funding and Opportunities in Engineering & Sciences” on May 29-30, 2019 at GECA.

9. Dr. Anil Maheshwari, Dr. Anand Bansal and Dr. Suresh Sahu have attended one week Pedagogy Workshop on Effective Teaching on June 3 - 7, 2019 at IIT GUWAHATI.
10. Dr. Anand Bansal has attended Faculty Development Program on “Robotics & Artificial Intelligence” on June 24-28, 2019 at GECA.
11. Dr. Anand Bansal and Dr. Suresh Sahu have attended TEQIP sponsored Short Term Course on “Renewable Energy systems and their Techno-Economic feasibility in India” on July 8-12, 2019 at GECA.

DISTINGUISHED VISITORS/EXPERT LECTURES

1. Expert Lecture was delivered by Prof. N. N. Roghelia, Ahemdabad on "Applications of Mathematics in Engineering" on August 28-29, 2018 for first year Students.
2. Expert Lecture on “COMMON PROPHETS” was organized by department of English on Sept 15, 2018.
3. Dr. Adarsh Mangal has delivered Expert Lectures at Government Engineering College, Jhalawar on “Differential Equations and Their Power Series Solutions” on January 15 -16, 2019.
4. Dr. V. C. Jain and Dr. R. P. Sharma have delivered an Invited Talk in TEQIP III Sponsored National Conference at SIET, Sikar during February 26-27, 2019.

ACHIVEMENTS

1. Dr. V. C. Jain has been appointed as Editor, Ganita Sandesh, Rajasthan Ganita Parishad for 2019-2022.
2. Dr. V. C. Jain and Dr. R. P. Sharma chaired a Session in National Conference on “New Advances in Theoretical Comp. Sc., Algorithms & Mathematical Modeling” at JIET, Jodhpur during April 27-28, 2018.
3. Dr. Pooja Tomar has presented research paper in International Conference "Exploring Contexts of Tourism, Culture and Heritage in South Asia" on September 27-28, 2018.
4. Dr. Pooja Tomar has presented research paper in National Conference on "Environment: Issues, Challenges and Strategies" on October 1 -2, 2018.
5. Dr. V. C. Jain and Dr. R. P. Sharma chaired a session in TEQIP III Sponsored National Conference on Recent Advances in Mathematical Applications for Science, Engineering & Management at SIET, Sikar during February 26-27, 2019.

6. Dr. Adarsh Mangal is Section Editor of Encyclopedia of Mathematics in Hindi (A project of Kendriya Hindi Sansthan , MHRD, GoI)
7. Dr. Adarsh Mangal is Member of Editorial Board for CSTT Comprehensive Glossary of Science by Commission for Scientific and Technical Terminology, MHRD, GoI.
8. Dr. R. P. Sharma is given responsibility of Convener: CMTR-2019 and Vice-President of Rajasthan Ganita Parishad.
9. Dr. Shikha Agarwal has written a book “Engineering Chemistry: Fundamentals and Applications” (IInd edition 2019); Cambridge University Press, New Delhi (ISBN: 9781108724449) as a sole author.

PROJECT / RESEARCH GRANT RECEIVED

Dr. Adarsh Mangal has received Research Grant of Rs. 818000/- from National Project Implementation Unit, New Delhi as Co- PI in the project entitled “Optimal Scheduling of Micro-grid with High Renewable Penetration”.

CULTURAL ACTIVITIES

Creative Arts society of the institute celebrated the 150th birth anniversary of Mahatma Gandhi, freshers day, annual fest Tarangini 2019 and various cultural activities such as essay competition in Hindi, quiz, poet competition on the aforementioned occasions in the session 2018 - 19, in which approximately 200 students of first year participated in various activities.

SPORTS ACTIVITIES

Annual sports meet COMBAT-2018 was organised in September, 2018, in which approximately 250 students of first year participated in various sports activities.

QUOTES

“I never teach my pupils, I only attempt to provide the conditions in which they can learn.”

— **Albert Einstein**

“An individual has not started living until he can rise above the narrow confines of his individualistic concerns to the broader concerns of all humanity.”

—**Martin Luther King Jr**

ARTICLE OF THE ISSUE

Chandrayaan-2: India launches second Moon mission

India has successfully launched its second lunar mission a week after it halted the scheduled blast-off due to a technical snag. Chandrayaan-2 was launched at 14:43 local time (09:13 GMT) from the Sriharikota space station. India's space chief said his agency had "bounced back with flying colours" after the aborted first attempt. India hopes the \$145m (£116m) mission will be the first to land on the Moon's south pole.

The spacecraft has entered the Earth's orbit, where it will stay for 23 days before it begins a series of manoeuvres that will take it into lunar orbit. If successful, India will become the fourth country to make a soft landing on the Moon's surface. Only the former Soviet Union, the US and China have been able to do so.

The lift-off was broadcast live on TV and the space agency's official social media accounts. There was applause in the Indian Space Research Organisation (ISRO) control room minutes after the launch, as the rocket took off towards the outer atmosphere.

For the first time in India's space history, an interplanetary expedition is being led by two women - Muthaya Vanitha, the project director, and Ritu Karidhal, the mission director.

It is the most complex mission ever attempted by India's space agency.

"It is the beginning of a historical journey of India towards the moon," said ISRO chief K Sivan in a speech after the launch. He thanked and congratulated the nearly 1,000 scientists, engineers and other staff who had worked on the mission: "It is my duty to salute all the people who have done the work."

Prime Minister Narendra Modi praised the mission for being "fully indigenous".