

R. C. TECHNICAL INSTITUTE, AHMEDABAD  
( Directorate of Technical Education, Gujarat State )

# SAMVAAD

● March 2023 ● Issue : 07 ● January 2022 - December 2022

Yearly Newsletter



With immense pleasure, I present 7<sup>th</sup> issue of the newsletter of the institute, "SAMVAAD". R.C.T.I., one of the oldest institute of Gujarat, strives to impart quality education and produce skilled Diploma Engineers since its inception. In present times, the role of educational institute has drastically changed along with the change of time and needs. Along with academic excellence, an educational institute is required to empower and motivate students to be responsible citizen, critical thinker and above all 'a lifelong learner'. R.C.T.I. always attempts to succeed in this by enabling students to be vigorous learner and be productive in their thinking by encouraging them to participate actively in curricular and extracurricular activities.

This year was marked by celebration of Azadi Ka Amrit Mahotsav. It is an initiative of the Government of India to celebrate and commemorate 75 years of independence and the glorious history of its people, culture and achievements. At R.C.T.I., we celebrated Azadi Ka Amrit Mahotsav with nationalist spirit and enthusiasm. Gymkhana committee and various departments of the institute organized various events such as Patriotic Run, Social Awareness Campaign, Har Ghar Tiranga Campaign, Flag Making Competition, Singing Competition, and so on.

Throughout the year, various departments of the institute organized expert lectures, industrial visits, stakeholder meet, and so on. We also organized Poetry Recitation Program, Yoga Day celebration, SSIP Sensitization Workshop, and many other events which are mentioned in this issue of newsletter.

Finally, I express my deep gratitude to all our stakeholders for their continuous support, cooperation and active involvement to make R.C.T.I. an eminent institute for Diploma Engineering program across Gujarat. Last but not the least I express my thanks to the team of "SAMVAAD" for putting their best efforts in publishing seventh issue of the newsletter.

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# 01 Corona Vaccination Camp

Corona Vaccination Camp for the Students between 15-18 Years was organized at the campus during 07<sup>th</sup> and 08<sup>th</sup> January, 2022 More than 200 students were benefitted by this camp. Covid 19 vaccination is an important tool in the fight against Covid 19 pandemic. Vaccination can help to reduce the spread of Covid 19 in communities.



# 02 Patriotic Run

NSS students and Gymkhana team members participated in the Patriotic run held on 29<sup>th</sup> January at R.C.T.I. Campus.



# 03 Career Counseling Seminar

Mechanical Department organized a Career Counseling Seminar for the students of 5<sup>th</sup> Semester on 25<sup>th</sup> January, 2022. Mr. G. D. Mistry delivered an

expert talk on career guidance and career opportunities for the students after diploma engineering program. A total number of 60 students participated in the seminar.

# 04 Elocution Competition

Online Elocution competition under the umbrella of 75 years of Azadi ka Amrit Mahotsav on "Freedom Fighters of India" was organized on 9<sup>th</sup> February, 2022 by ISTE Student Chapter of R. C. Technical Institute. Elocution competition provides a platform for students to develop their public speaking skills. The students articulated their ideas and knowledge about freedom fighters with creative touch in this competition.



# 05 Expert Lecture on Advances in CAD

Mechanical Engineering Department organized an expert lecture on "Advances in CAD" for the students of 6<sup>th</sup> semester on date 23<sup>th</sup> February, 2022. The lecture benefitted the student to get updated with the advancement in the technology. A total number of 93 students attended the lecture.



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## Gujarati Poetry Recitation

International Mother Language Day program was held at R.C. Technical Institute Campus with great enthusiasm. eight staff members participated in the event and presented their creative Gujarati poetry works. International Mother Language Day is observed on 21<sup>st</sup> February every year to promote linguistic and cultural diversity.



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## Quiz on Indian Freedom Fighters

An offline quiz on Indian freedom fighters was conducted for the students of all the departments.



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## Preserve Cultural Heritage



Preserve Cultural Heritage Program was organized by Gymkhana Committee in which various events like Documentary film on Gujarat Cultural and living Heritage, Heritage Quiz, Block

Printing Demonstration, Mud and Mirror Art Demonstration, Pencil Sketching Competition on Heritage Theme were organized.

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## Blood Donation Camp

**B**lood Donation Camp was organized at the institute by NSS team on 5<sup>th</sup> March 2022. Donating blood is a selfless act that can give donors a sense of community and purpose by contributing to the welfare of others. It is rightly said "You cant buy a life for someone with money but you can save a life of someone by donating blood to him".



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## Expert Lecture on "Web Development using PHP"

**T**he Computer Engineering Department organized expert lectures on "Web Development using PHP" by Mr. Alkesh Kaba, Sr. Developer - Creart Solutions. The program was conducted twice to enlighten more students towards the program and pursue web development as a career option. The expert lecture was organized first on 14<sup>th</sup> March 2022 in which 55 students participated. The same expert lecture was organized second time on 5<sup>th</sup> August 2022 in which 58 students participated.



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## Azadi ka Amrit Mahotsav – School Visit

**N**SS and Gymkhana team of R C Technical Institute along with twenty five students visited Bhadaj village on 26<sup>th</sup> April, 2022 and performed various activities related to corona vaccination survey, environment conservation , BETI BACHAO and FIT INDIA movement under the Azadi ka Amrit Mahotsav.



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## One Day Workshop on Computer Science

**T**he Computer Engineering Department of R C Technical Institute organized one day workshop on "Applications of Data Science and Machine Learning" in association with Institute of Engineers (India), Gujarat State Center, on 20<sup>th</sup> May, 2022. Students enthusiastically participated in the event.



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### Awareness Seminar for Addiction Free Life

Awareness seminar for Addiction Free Life was held on 27<sup>th</sup> May 2022. Almost 110 students and faculties attended the seminar.



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### Diploma Admission Awareness Program

Diploma Admission Awareness Program was organized by Admission Committee at R. C. Technical Institute, Ahmedabad on 12<sup>th</sup> June, 2022 to provide guidance on higher education and career opportunities after S.S.C. Many students and their parents attended the program.



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### Seminars on Python Programming

Computer Engineering Department organized a seminar on "Python Programming" on 19<sup>th</sup> July 2022 in association with 'Praxware Technologies'. A total number of 53 students attended and got the benefit of the seminar. Another seminar on Python Programming was conducted by 'WayToWeb Pvt. Ltd' on 24<sup>th</sup> August 2022. This program was attended by a total of 34 students



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### Yoga Workshop

Yoga Workshop was organized on 29<sup>th</sup> July, 2022 in which Dr. Neeraj Vasistha delivered an expert talk on importance of yoga and wellbeing. He laid emphasis on significance of yoga to maintain physical and mental health. A total number of 80 students participated in the event.



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### Awareness Seminar on G3Q Quiz

An Awareness Seminar on G3Q Quiz was organized for all the students of the institute to provide guidance regarding GUJARAT GYAN GURU QUIZ on 29<sup>th</sup> July, 2022. A total number of 95 students attended the event.



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## Yoga Marathon

Mr. H.I. Joshi and Ms. Payal Shah along with the students participated enthusiastically in the YOGA MARATHON held at football ground Kankaria lake .It was run for spirituality and it raised the 'SQ'-Spiritual Quotient in participants. The event also empowered SQ of the participants.



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## Yoga Day Celebration

Yoga day was celebrated at the R. C. Technical Institute college premises. Event coordinator demonstrated various Yog Asanas to the faculty members and the students from the institute.



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## Essay Writing Competition

An essay writing competition on the topic "Importance of National Flag" was held on 5<sup>th</sup> August, 2022 in which 20 students of the institute participated. Essay writing helps to improve communication skills by way of articulating thoughts and ideas.



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## Sardar Patel Museum Visit

The IT Engineering Department organized a visit to Sardar Patel Museum and Gandhi Ashram on 6<sup>th</sup> August, 2022. A total number of 25 students and 2 faculty members of the department participated in these visits.



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## Har Ghar Tiranga Campaign

A rally on Har Ghar Tiranga Campaign was organized on 6<sup>th</sup> August, 2022 under Azadi Ka Amrit Mahotsav initiatives. 87 students and 10 faculty members of the institute participated in the event.





The Computer Engineering Department, R.C.T.I. organized ANALYTICS FEST 2022 on 6<sup>th</sup> August, 2022 for students and staff. Various activities like Networking Games,

Drawing/Painting on Independence Day theme, Poem Recitation on Independence Day theme, Fun Games like Sudoku, Chess, and Scrabble etc. were organized.

A flag making competition using art and craft was organized on 8<sup>th</sup> August, 2022, in which 12 students of the institute participated. The objective of the competition was to encourage students to showcase their creativity and patriotism by designing unique Indian Flag.



Singing Competition on the theme of National Flag under the Azadi ka Amrit Mahotsav was organized on 10<sup>th</sup> August, 2022. A total number of 8 students from various departments participated in this event. This was a solo event and students sang melodious songs on TIRANGA theme. The aim of competition was to encourage students to showcase their vocal skills.



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## Elocution Competition

An Elocution competition on the topic "Importance of National flag" was conducted on 10<sup>th</sup> August, 2022 in which 9 students of the institute participated and presented their speech. This competition successfully promoted patriotism and cultural awareness among the students



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## Blood Donation Camp

A blood Donation Camp was organized on 26<sup>th</sup> August, 2022 in association with Indian Red Cross Society in the R. C. T. I. campus. A total number of 30 bottles of blood was donated as a token of noble work towards humanity.



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## Voter Awareness Program

A Voter Awareness Program was organized in the institute on 3<sup>rd</sup> September, 2022 to make the students aware about right to vote and importance of a single vote in democracy. More than 230 students of the institute attended this awareness program. The program concluded with a pledge taking ceremony where the students pledged to become responsible citizens by exercising their right to vote when they become eligible voter



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## Science Conclave Exhibition

Science Conclave Exhibition was organized by Government of Gujarat at Science City, Ahmedabad on 12<sup>th</sup> September, 2022 in which students and faculty members from R. C. Technical Institute participated.





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## Expert Lecture on Save The Nature

An expert lecture on "Save the Nature" was organized by IT Engineering Department on 14<sup>th</sup> September, 2022. Swami Niranjan Das delivered an expert talk on "Mother Earth". An animated documentary was also shown to the student to raise awareness towards nature. A total number of 85 students of the department attended the expert lecture.



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## Induction Program for First Year Students

As suggested in the Model Curriculum of Diploma by AICTE, all students went through a mandatory induction program as part of their Diploma Program Curriculum right at the start of the first year. The duration of the induction program was of two weeks wherein students participated in a wide variety of activities. Various activities like yoga, mentoring and teaching universal human values, painting, dance, gardening, games, literature and workshops were parts of this induction program. The students participated in all these activities under guidance of faculties from 16<sup>th</sup> September 2022 to 22<sup>nd</sup> December 2022.



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## Oath Taking Ceremony for Organ Donation

An oath taking ceremony for "Organ Donation" was organized on 17<sup>th</sup> September, 2022 in association with Angdaan Charitable Trust. More than 400 students of the institute participated in this ceremony and vowed to donate their body after their death as a noble work towards humanity. Certificates were also distributed to the students.



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## Thalassemia Testing

Gymkhana Committee of R. C. T. I. organized Thalassemia Testing for students of 5<sup>th</sup> semester in association with Red Cross Society. A total number of 132 students of the institute underwent thalassemia testing during 23<sup>rd</sup> and 24<sup>th</sup> of November, 2022.



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## SSIP Student Sansitization Workshop

Under Azadi Ka Amrit Mahotsav initiatives, Students Startup Research and Innovation Festival was organized at R. C. T. I. on 1<sup>st</sup> October, 2022 to sensitize students about SSIP. Municipal corporator Smt. Parulben Patel attended the event as a chief guest. Mr. Bhavdeep Trivedi, Executive of i-Hub Innovation, Mr. Vaibhav Shitole, and principal of our institute Dr. P. A. Raval Sir remained present to address the students.



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## Women Cell Activity

Women Development Cell organized Navratri Festival on 1<sup>st</sup> October 2022 by chanting and dancing on Garba song. Navratri is not only a religious festival but also a social event, where people come together to celebrate and strengthen their bonds. According to Hindu mythology, the goddess Durga, who is one of the avatars of Shakti, defeated the demon Mahishasura after a fierce battle, and Navratri marks the victory of good over evil. The festival is an important occasion for women, as it celebrates the power and grace of the feminine spirit, and highlights the importance of female empowerment and equality in society.



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## UNESCO WORLD HERITAGE WEEK

To celebrate UNESCO WORLD HERITAGE WEEK, members of Gymkhana team and students

dressed up in traditional clothing of Gujarat on 25<sup>th</sup> November, 2022.

A Stakeholders Meet of parents, alumni and industry personnel was held in the Electrical Department under the leadership of Ms. Sunita Dhavan on 17<sup>th</sup> December, 2022. This meet was an initiative towards strengthening relationship with the stakeholders for the benefits of the students.



- The Electrical Department organized an expert lecture of Prof Manisha Rathod on Entrepreneurship in the current era on 19/01/2022. There were 110 students present in the lecture.
- The Electrical Department organized an expert lecture of Mr.Keval Vaviya on Basics of AutoCAD on 29/01/2022. There were 78 students present in the lecture.
- One day virtual free workshop on "Charging Infrastructure for Electric Vehicles" organized by the department on 20/12/2023.
- The Electrical department organized a five days workshop on "Do it yourself-Hands on Electronics Workshop" under the ISTE students chapter during 28/03/2022 to 01/04/2022.



- Department organized workshop on "Advanced control technique of Electrical motors" for ISTE members from 10/10/2022 to 14/10/2022 Co Ordinated by Mr. T A Patel.
- Mr. Shobhraj Jayswal (Jr.Engineer ) from GETCO visited the Electrical Department Laboratory on 17/02/2022 .
- The Committee members from Government of Andhra Pradesh to study on best performing Govt.Polytechnic in Gujarat State visited Electrical Department R.C.T.I on 13/04/2022



- The Industry Experts Mr. Rajesh Tripathi from Invers Semiconductor and Mr.Babul Desai from Aero Power visited the Electrical Department on 13/04/2022.



- The Electrical Department organized a Project Exhibition for 6<sup>th</sup> Semester students in the presence of Industry Expert Mr. Rajesh Tripathi from Inverse Semiconductors on 31/03/2022.
- The Electrical Department organized a one day webinar on "Selection of Visionary Projects, SSIP and Placement Activities along with their Effective Implementation " on 15/06/2022. There were 92 students present.

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### Photography Competition

A photography competition was held on the theme "RCTI CAMPUS - A GREEN CAMPUS" for the students of all the departments on 26<sup>th</sup> December, 2022. A total number of 102 students took part in the competition and submitted beautiful photographs of the green campus of R.C.T.I. Selected photographs were displayed on the Main Notice Board of the college for viewing.



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### Industrial Visits

- The Civil Engineering Department organized a site visit to undergoing construction of iconic ICAI Bhavan, Sola, Ahmedabad on 13<sup>th</sup> September, 2022.
- A visit to Metro Station and its route was organized by the Civil Engineering Department on 8<sup>th</sup> October, 2022.
- The students of Civil Engineering Department visited Kotarpur Water Treatment Plant, on 1<sup>st</sup> October, 2022.



- Mechanical Engineering Department organized an industrial visit to Giriraj Industry on 27<sup>th</sup> January 2022.
- Mechanical Engineering Department organized an industrial visit to SPM Engineers on 21<sup>st</sup> and 25<sup>th</sup> February, 2022.



- Mechanical Engineering Department

- organized an industrial visit to Manali Intricast on 21<sup>st</sup> and 25<sup>th</sup> February, 2022.
- Mechanical Engineering Department organized an industrial visit to Zeal Gears on 21<sup>st</sup> and 25<sup>th</sup> February, 2022.
- Mechanical Engineering Department organized an industrial visit to SKF Bearings on 27<sup>th</sup> May, 2022.
- The Electrical Engineering Department organized an industrial visit to Topline Switchgear Pvt Ltd Ahmedabad on 11<sup>th</sup> February, 2022.
- The Electrical Engineering Department organized an industrial visit to RCTI Substation 11 KV/440 V on 23<sup>rd</sup> February, 2022.
- The Electrical Engineering Department organized an industrial visit to Photonics Watertech Pvt Ltd Gandhinagar on 21<sup>st</sup> March, 2022.
- The Electrical Engineering Department organized an industrial visit to Rickon Engineering Ahmedabad on 04<sup>th</sup> April, 2022.
- The Printing Technology Department organized an industrial visit to Navneet Publication on 1<sup>st</sup> April, 2022.
- The Printing Technology Department organized an industrial visit to Times of India on 14<sup>th</sup> June, 2022.
- The Printing Technology Department organized an industrial visit Letap Printpack on 15<sup>th</sup> June 2022.
- The Printing Technology Department organized an industrial visit to Divya Bhaskar on 1<sup>4th</sup> November, 2022.

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### Seed Ball Competition

Seed ball project is taken by the GTU NSS as common project. R C Technical Institute's NSS Volunteers

made more than 500 Seed Balls all together. Seed of the Fruit trees like - Jambun, Neem Tree, Mango Tree, Falsa, Raspberry, Chickoo etc were utilized for this activity.

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### Staff Achievement

- Dr. T. B. Mehta from the Computer Department received his Doctorate Degree from CHARUSAT University, Changa under the guidance of Dr. C. K. Bhensdadia.
- Dr. K. S. Patel of Electrical Department published a paper on "LVRT Fulfillment of the DFIG-based WECS during Symmetrical Grid Voltage Dips in IETE Journal of Research, Taylor and Francis, ISSN: 0377-2063 (Print), ISSN: 0974-780X (Online) pp.-1-14, April, 2022.
- Mr. Tushar Patel, Mr. Harshwardhansinh Kesrola, Mr. Aryan Chauhan Mr. Sachchidanand Pandey ,Mr. Parth Kadiya ,Mr. Sohin Panchal of Electrical department published a paper on "Protection panel for three phase induction motor using numerical relay" in IJIREEICE Journal ISSN No (O) 2321-2004 in April 2022.
- Dr. H. I. Joshi ,Mr.Pratham Raval and Mr. Deep U.Shah of Electrical Department published a paper on "Design and Development of Robotic Vehicle for Isolation Ward "in Dog Rangsang Research

Journal in January 2022 Vol 12 Issue -1.

Dr. H. I. Joshi from Electrical Department has been selected as a recognized Ph.D. supervisor in Gujarat Technological University.

Dr. K. S. Patel completed Ph.D degree in Electrical Engineering from GTU in March 2022, on the topic "Performance Investigation and Protection of Grid Connected Wind Energy System".

Krishna S. Patel worked as Paper Reviewer in International Journal – Taylor and Francis Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, SCI Index, Impact factor - 3.447, Country: United Kingdom, ISSN: 1556-7036, 1556-723.

Mr. G. D. Mistry from Mechanical Engineering Department published his research paper on "Literature review of the stress-strain and separating force evaluation during hot bar rolling of different types of steels" in the journal 'Materials Today: Proceedings' vol-57, part – 2.

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### Institute Topper

Sr.	Enrollment	Name of Candidates	CPI	Programme
1	196400306066	Shah Maulesh Jayeshbhai	9.49	Civil Engineering
2	196400307135	Shah Neel Ajitbhai	9.67	Computer Engineering
3	196400309044	Kuril Anurag Dineshkumar	9.01	Electrical Engineering
4	196400316146	Vaidya Dhrumi Anil	9.65	Information Technology
5	196400319055	Panchal Krishna Kalpeshbhai	9.60	Mechanical Engineering
6	196400328001	Aditi D Singh	8.59	Textile Processing Tech.
7	196400329004	Chauhan Vishal Bharatkumar	8.79	Textile Mfg. Technology
8	196400358020	Palsapure Vineet Vilas	8.76	Printing Technology

# 44 Students' Achievement

- Satyajit Chaudhary won 1<sup>st</sup> Prize in CodeFest organized by RAO Information Technology.
- 10 students of the institute participated in National Games 2022 at Riverfront and other places of Ahmadabad in October 2022.
- 20 students of the institute visited DefExpo 2022 at Mahatma Mandir and Helipad Ground, Gandhinagar in October, 2022.
- 2 students of the institute participated in SPTREK event organized at NCC GP Head Quarter, Law Garden, Ahmedabad in November, 2022.
- Dhruvil Adroja represented Gujarat in Sixth IBFF Men's National Blind Football Championship tournament from 18<sup>th</sup> to 20<sup>th</sup> September 2022.



16<sup>th</sup> Junior Nationals Soft Tennis Championship in a team event.



Department sent 5 students to S S Gandhi college Surat for GTU Tech Fest event name: "CIRCUIT X" co ordinated by P P Shah.

Saurabh Chaurasiya won state level gold medal in judo in Sansad Khel Spardha held from 8<sup>th</sup> May to 13<sup>th</sup> May, 2022 (55 kg).



- Chettiyar Moganraj Ravi won state gold medal in State Judo Championship in Sansad Khel Sparda held during 8-13 May, 2022(60 kg).



- Dhvani Acharya Student of IT Department and NSS Volunteer of RCTI was selected in "National Integration Camp (NIC) - 2022" to represent the Gujarat. NIC is held at L D Engineering College, Ahmedabad
- Harshit Upadhyay won Silver Medal in

# 45 Newsroom