R.N.G. Patel Institute of Technology-RNGPIT

CONTENTS

1. From the Desk of the Principal
2. Departmental Activities
3. Bachelor of Vocation- OJT
4. Training and Placement Cell
5. Contribution to Society and Country
6.SSIP Activities
7. Women Development Committee
8. Industrial Visit
9. Sports
10. Press Note

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Dr. L. B. Chaudhari
Principal

Editors
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Mr. K. K. Prajapati

Advisors
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Mr. C. D. Desai
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Vision
To be the Leading Ethical Institution of Excellence in creating Dynamic Leaders, Technocrats and Researchers in Industrial, Social and Economic Development of Nation.

Mission
To ensure Excellency, Promote ethical growth in developing the students competency, skills, attitude for employability, entrepreneurship and research ability.
To provide an infrastructure, environment that values and encourages knowledge acquisition, academic freedom to make this as a preferred institution.

1. FROM THE DESK OF THE PRINCIPAL
Dr. L. B. Chaudhari
Principal

Dear students and faculty members,

It is my privilege to warmly welcome you into the great institution dedicated to the cause of top quality technical education with the motto of “Taking you to Tomorrow’s Technology”.

Our Management has dedicated this institute to improve technical excellence, ethical values and overall development of Student’s Community of especially rural area and the nation as a whole.

At RNGPIT, we provide undergraduate degree programme in five branches i.e. Chemical Engg., Mechanical Engg., Electrical Engg., Civil Engg., and Computer Science and Engg. We also provide Bachelor of Vocation in Software Development, Bachelor of Vocation in Production Technology and Bachelor of Vocation in Refrigeration & AC.

The exemplary infrastructural facilities, the team of highly qualified and dedicated faculty and the panorama of vivifying landscapes of vast Sardar Campus will surely take you to enviable heights in your capabilities and achievements.

Beside academics, students are also encouraged to take part in extracurricular and co-curricular activities and the students have brought laurels to the institution. It has always been our belief that every student has an unending pool of talent that needs to be nurtured and which when guided with proper care and the correct attitude, can help bring out the best from any individual.

Here is the opportunity for you to make the right choice, which will lead you to a successful and satisfying profession as a useful and responsible citizen of our great nation.

Dr. L. B. Chaudhari
7th March, 2020
2. Departmental Activities

➢ Chemical Engineering

Two projects of Chemical Engineering Department of R. N. G. Patel Institute of Technology (RNGPIT) - Bardoli are selected on 18/01/2020 after review and screening for seed funding upto (not limited to) 3 Lakhs for the development of prototype of their innovative ideas and to start business start up out of total 20 groups of students from various institutes of South Gujarat region have been participated in Surat Business Incubation Contest organized by ISP-International Service Partner, Florida.

➢ Civil Engineering

UltraTech Cement has organised Presentation contest named UltraTech Sparkling Star at SVNIT, Surat dated on 05/03/2020. Two groups of students of Civil Engineering -RNGPIT, Isroli had participated. One group of students named as Mayank Rangani, Pallavi Padvi and Aman Shah won first runners up prize and cash Rs.1500/- after two rounds of competition under the guidance of Mr. Shahrukh Marfani.

Dharisha Shah and Nidhi Parmar, 4th Semester students of Civil Engineering - RNGPIT, Isroli are selected in 2nd round of SSIP-Student Startup Innovation Policy held at Sarvajanik College of Engineering & Technology-SCET, Surat for their project named as ‘Water surface cleaning barrel’ and will be awarded Rs. 25000/- for patent filing.

➢ Computer Science & Engineering

Computer Science and Engineering Department of R. N. G. Patel Institute of Technology-RNGPIT (Previously known as FETR) has organised ISCA DL on the theme of Neural Network and Speech processing titled "Generative Adversarial Networks (GANs) for Speech Technology" in association with Student Start up and Innovation Policy(SSIP) dated on 28th February 2020.

Expert talk was conducted by Prof.(Dr.) Hemant Patil, Professor, DA-IICT, Gandhinagar.

Depth concepts of GAN, its Architectures, Models, Applications and possible research scopes of Speech Processing, Image processing and Computer Vision using GANs has been covered and more than 150 students and staff members of CSE department got benefited.

Computer Science and Engineering Department of R. N. G. Patel Institute of Technology-RNGPIT (Previously known as FETR) has organised one day workshop on “Introduction to Robotics” in association with Student Startup and Innovation Policy (SSIP) dated on 28th February 2020.

Workshop covered types of Robots and it's internals and Students were demonstrated their projects related different concepts of Robotics at Atal Tinkering Lab of HPVT (B.Voc). Here students have explored different working prototypes of Robots.
Total 46 students were present and got benefited by this workshop.

Computer Science & Engineering Department, RNGPIT, Bardoli had organized event named as "Hacker Rank".

This competition checks the "Competitive Programming" skills for a Computer Science Students.

Event is organized under the banner of Google Developer Student Club (GDSC) of RNGPIT Campus and more than 68 students have been participated in this event.

Computer Science & Engineering Department of Our Institute RNGPIT had Organized One Day Workshop on "How to prepare for Competitive Coding & Placements in IT/Software companies?" in association with Prepbytes, Gurgaon dated on 14th February, 2020 and 21 students of GIDC

Engineering College, Navsari had participated in this workshop.

Session was conducted by Expert Ms. Mamta Kumari, Co-Founder, Prepbytes, Gurgaon.

Overall Session was very informative for students.

It can be said in a simple way that now the era has started where "A Code will Code for the Developers". So for surviving in this coding world of software industries, one need great Problem Solving Skills and must have Competitive Programming knowledge too.

➢ Electrical Engineering

Electrical Engineering Department of RNGPIT organized One day workshop on "INDUSTRIAL AUTOMATION & SOLAR PV INSTALLER" for A. Y. DADABHAI POLYTECHNIC, Kosamba, and N.G.PATEL POLYTECHNIC, Bardoli, Diploma Final Year Electrical Engineering Students dated on 3rd March, 2020.
2.10 In January 2020, Mr. Bhargav Patel, Mr. Hardik Nayak, Mr. Gaurang Champaneri faculties from Mechanical Engineering Department have imparted two days hands on practice and expert talk on Non Destructive Testing at Dr. S. S Gandhi Engineering college, Surat.

2.11 8th Semester students, Bhatt Harsh and Team of Mechanical Engineering department of RNGPIT, ISROLI, Bardoli are selected in 2nd round of SSIP held at SCET college, Surat for their project of Design and Development of Quad Bike leaning Suspension and will be awarded Rs. 25000/- for patent filing.

3. Bachelor of Vocation - OJT

R. N. G. Patel Institute of Technology (previously known as FETR) has launched AICTE, New Delhi approved and Gujarat Technological University (GTU) affiliated three years graduation programme on skill development based higher education as part of college education, leading to Bachelor of Vocation (B.Voc) Degree.

The B.Voc programme is focused on providing undergraduate studies which would also incorporate specific job roles with On-Job Training as a part of curriculum in various branches like..

Software Development, Production Technology and Refrigeration & Air Conditioning.
4. Training and Placement Cell

Placement Drive for Hazira Manufacturing Division (L&T, AM/N Division) through ARIHANT NDT Inspection Services (ANIS) Surat conducted for final year students of Mechanical Engineering of R.N.G. Patel Institute of Technology - RNGPIT, Bardoli dated on 26th February 2020 coordinated by Mr. H.B. Nayak, Mr. G.K. Chapaneri and Mr. B.B. Patel under guidance of head of department Dr. K.B. Rathod and placement co-ordinator Dr. J.B. Chaudhari.

Total 13 students get selected for the post of *NDT LEVEL II CERTIFIED INSPECTOR* for final Personal Interview round.

It is to be noted that the Mechanical Department of RNGPIT College is offering NDT LEVEL II CERTIFICATE in-house course under the skill development programme at H. B. Punawala Vocational Training & Research Centre.

The campus recruitment drive for Trainee Engineers/SGET was successfully conducted on 6th February, 2020 for Mechanical/Electrical Engineering Department by a leading Glass Manufacturing company M/S Asahi India Glass Limited.

Total 60+ degree and 20+ diploma students from Mechanical/Electrical Engineering branch appeared for the drive.

Total 14 students of Mechanical Engineering department of RNGPIT were scrutinised and shortlisted for final round after following critical steps.
1. Group Discussion
2. English Test
3. Technical Test
4. Aptitude test
5. Written Test
6. Personal Interview
7. Psychometric Test

Mr. Aadir Shaikh, Mr. Saurabh Jha and Mr. Shivang Panchal from Final Year Computer Science & Engineering Department of RNGPIT, Bardoli are selected in one of topmost Software segment industries “Cognizant” with package of 4 LPA.

Engineering Technique, Vadodara has conducted campus placement drive for final year Mechanical Engineering students and pass out students of 2015 Batch as a part of Solidworks career days 2020 program. Total 35 qualified CSWA students have appeared for the technical test and out of which 17 students were scrutinised (Solidworks test). These 17 students undergone GD-Group Discussion and PI-Personal Interview and based on personal interview 6 students are scrutinised by the company.

Campus Placement drive of BosLeo Technology Pvt Ltd., Valsad was scheduled on 22th January 2020 at RNGPIT for Computer Science & Engineering. Department Students.
Aadil Shaikh from Computer Science & Engineering of RNGPIT was selected and offered a Package of 3 LPA. Dharminsinh Rathod, Rushabh Patel, Dhiren Jummanji were selected for further round at company premise.

Campus placement drive by Softstorm Technosys Pvt Ltd, Surat was organized for Computer Science and Engineering students of Semester -8 (Final Year) at our institute dated on 14th December 2019.

Total appeared: 31
After written test: 27
Technical Round 1: 20
Technical Round 2: 13
These students need to go for final practical round at company and Package will be offered after final round is in between 15000 to 20000 INR per month.

5. Contribution to Society and Country

Celebration of 71st Republic day at R.N.G. Patel Institute of Technology-RNGPIT and distributed Educational kits donated by Sweet Dream Foundation of RNGPIT and NGPP college.


Mr. Pankaj Mall, IIT-Delhi MBA Scholar and Ambassador of Swachhata Abhiyaan, Government of India had given his valuable guidance towards Positivity, Goal of Life and Career Path to our students.
Mr. Pankaj Mall is working in the areas of School Transformations, Emotional intelligence, bringing technological literacy, sports etc. Sir is also working on the mission to inspire and touch the lives of 10 million citizens by 2030. He is traveling 19,000 kms of cycling trip which covers 19 states and 400 cities across the India.

Expert Talk on “Cyber Security & Technical Solutions towards Cyber Crimes” was jointly organized by The Centre for Entrepreneurship Development( CED), Surat and Computer Science & Engineering Department of RNGPIT dated on 17th January, 2020.

Session was conducted by Expert Dr. Chintan Pathak, Ph.D in Cyber Laws, LL.M , PGDIT, PGDTM, DCL Certified Cyber Crime Investigator & Forensic Professional of NLSUI, Bangluru.

71st Gandhi Mela was organized at R.N.G. Patel Institute of Technology, Bardoli and and N.G Patel Polytechnic - NGPP, Isroli - Tajpor College Campus by Mukul Trust, Swaraj Ashram Bardoli and Shri Ishwarbhai Parmar, Cabinet Minister dated on 11-12 February, 2020.

On the first day of the Gandhi Mela, the Vaishnava Jan dance drama was presented by the team of international artists Bharat Baraiya and Akshay Patel in the first session.
The pride and literary gem of Gujarat, Mr. Jay Vasavada, was introduced to Gandhi through a unique speech. Presented from Dandi to Johannesburg and composed by Kedar- Bhargava, Aditya Gadhvi, Vratini Purohit, Margey Rawal and group presented a special presentation of the Gandhi State Music Academy by Gandhi Dhun.

Blood donation is one of the most significant contributions that a person can make towards the society. Our institute, RNGPIT has organized Blood Donation camp on 17th February in association with Sardar Smarak Hospital - Bardoli, SMIMMER Hospital - Surat & Lok Sampran Raktdan Kendra - Varsha. Total 202 blood units are donated by our students and faculty members. Thanks to Dr. Pragna Kalarthi, Dr. Katiya sir, Dr. Nikhil Joshi, Dr. Darshanbhai, Dr. Bankar, Mr. Rajeshbhai Patel and staff of Sardar Smarak Hospital, SMIMMER Hospital and Satya Sai Samiti. This Blood Donation camp was coordinated by convener Dr. V. K. Joshi, Mrs. D. R. Chaudhari and faculty coordinators Mr. Nirav Desai, Mr. Bhargav Patel, Mrs. Taruna Patel, Mrs. Henita Shah and Mr. Ravindra Desai.

One Day Workshop on "Global Diversity Call for Proposal (CFP) Day” was jointly organized by Girlscript Foundation and Computer Science & Engineering Department of RNGPIT which was sponsored by Microsoft India to help beginners in technology dated on 17th January, 2020.

Global Diversity CFP Day was conducted worldwide on the same day to help underrepresented groups like Girls of the community.

Workshop conducted by Expert Mr. Dhrumil Shah, Senior Mobile Application Developer at High Level, Speaker & Corporate Trainer, Google Developers Group Ahmedabad.

Total 200+ Girls and faculties had attended the workshop.

6. SSIP Activities

Mr. Shubhajyoti Mukherjee, Executive Director of Arcelor Mittal Nippon Steel India LTD. (Essar Steel) - Hazira and Prof. (Dr.) Navinchandra Sheth, Vice Chancellor of GTU have appreciated our activities of Tinkering Laboratory established under SSIP Cell, Government of Gujarat.

Inaugural Ceremony of National Convention on Safety (NCS - 2020) organized by QCFI Surat Chapter at RNGPIT College, Bardoli in presence of Hon.Shri Ishwarbhai Parmar (Cabinet Minister, Social Justice and Empowerment, Govt. Of Gujarat), Mr. P. M. Shah (Director, Industrial Safety & Health, Govt. Of Gujarat), Mr. Shubhajyoti Mukherjee (Executive Director, Arcelor Mittal Nippon Steel - Essar Steel, Hazira), Mr. D. K. Shrivastava (Director, QCFI - Hyderabad), Mr. Shyam Sunder Shaluja (President,
Laghu Udhyog Bharati), Mr. Raju Modi (Director, QCFI Head quarter), Mr. Vijay Asar (President, QCFI Ankleshwar Chapter), Mr. Babubhai Patel (Managing Trustee, SVPES), Mr. Mahendrabhai Patel (Secretary, SVPES) and more than 700 delegates from various Industries, institutes and safety professional.

Valedictory function of NCS - 2020 was organized in presence of Prof.(Dr.) Navinchandra Sheth (Vice Chancellor of Gujarat Technological University, Ahmedabad) and Mr. S. C. Bamania (Director, Industrial Safety & Health, Surat region).

➢ Other Activities

Surat and Tapi District Teacher's Office and Surat City - District and Tapi District Higher Secondary Teachers Association organized a grand seminar at R. N. G. Patel Institute of Technology- RNGPIT, Bardoli. Reverend Shri Yazdibhai Karanjia Saheb's speech "Instinct in Education" was the highlight of today's program.
7. Women Development Committee

Women Development Committee of R. N. G. Patel Institute of Technology-RNGPIT (previously known as FETR) had organised one day Seminar on “Women Health and Stress Management” dated on 4th March 2020.

Yoga teacher Miss. Nituben Chaudhari (M.A. - Yoga) explained the importance mental and physical fitness of women through “Pranayam and Yog”.

Second session was covered by Dr. Nandita Mahakal. She delivered the talk about menstruation cycle, precautionary steps against ovarian cancer, and eating habits.

Total 100 girl students and faculties were got benefited by this Seminar.

8. Industrial Visit


Mechanical Engineering Department of RNGPIT organized Industrial Visit for final year students (For Quality Engineering Subject) at GRP Limited Ankleshwar. Students have seen the 5’s implementation at industry and learned various Quality Concepts used in the industry.

Final year Mechanical Engineering Students have visited Nuclear Power Corporation of India Limited Kakrapar.
9. Sports

"KAUSHALYA - 2020" i.e. Various indoor and outdoor games like Chess, Carrom, Badminton, Table Tennis, Musical Chair, One Minute, Cricket, VolleyBall, Kabaddi, Athletic, Kho-Kho respectively celebrating in Sports Festival.
Quarterly Magazine
Volume 1, Issue 1
December 2019 – February 2020