

ANNUAL REPORT



INTERNAL QUALITY ASSURANCE CELL

Presenting Annual Report

Raajdhani Engineering College (REC), Bhubaneswar was established in the year 2006 by Samridhi Educational Trust, Odisha, with a group of highly talented professionals in the field of Education, Industry, Engineering and Technology over the years.

The college is functioning at Bhubaneswar near Mancheswar Railway Station in a sprawling campus of 15 acres near the well known Mancheswar Railway station 5km. away from world famous Nandankanan Zoological Park. The institute is well connected with road, rail and air. It is 5km. away from NH-5, 1km. away from Mancheswar Railway station and 8 kms from Biju Pattnaik International Airport, Bhubaneswar.

REC is Approved by AICTE New Delhi, Affiliated to BPUT and SCTEVT Government of Odisha, Accredited by NAAC, Recognized by Department of Scientific & Industrial Research (DSIR), Govt. of India as SIRO, ISTE & IE Chapter and Student Chapter, Institutional Member of the IE & ISTE and Vigyan Prasar Network of Science Clubs, Recognized by IEEE.

Raajdhani Engineering College maintained its strong commitment to excellence by being active throughout the period with quite a number of seminars, workshops, Faculty Development Program and refresher Courses organized by various departments to highlight latest development in their field to update the students that caters to the need of the student community. The institution has participated in National Institutional Ranking Framework (NIRF).

The college has provided avenues for research work with good laboratory infrastructure and library. The College offers 06 UG courses, 6 PG courses, MBA, MCA Program. The College offers Add-on courses semester wise on various subjects.

The College organized Online Student Induction Programme at the beginning of the academic year 2020-2021 and conducted bridge courses. During the academic year 2020-21, faculty members of various department published research papers.

The faculty members have attended successfully various Faculty Development Programme, Professional Development Programme, workshops, short term courses.

CSR ACTIVITIES

- The institute organized a three day online workshop on **“RESEARCH FORMULATION AND DESIGN”** from 14.01.21 to 17.01.21
- The institute conducted a national webinar on **“PATENT LAW AND PRACTICES”** on 12.02.21
- The institute organized a national webinar on **“RESEARCH ETHICS, IPR AND SCHOLARY PUBLISHING”** on 17.04.21
- The institute organized a national webinar on **“POLICY OF ENTREPRENEURSHIP”** on 17.06.31
- The institute organized a national webinar on **“FUTURE ASPECTS OF INTELLECTUAL PROPERTY RIGHTS”** on 18.08.21
- The institute organized a national webinar on **“DIGITAL ENTREPRENEURSHIP”** on 22.09.21
- The institute organized a national webinar on **“PATENT PROCEDURE AND DOCUMENTATION”** 28.11.21

RESULTS

	STUDENTS APPEARED	STUDENTS PASSED
B.TECH(MECHANICAL ENGINEERING)	162	139
B.TECH(CIVIL ENGINEERING)	136	131
B.TECH(ELECTRICAL ENGINEERING)	49	48
B.TECH(ELECTRICAL & ELCTRONICS ENGINEERING)	23	22
B.TECH(ELECTRONICS & COMMUNICATION ENGINEERING)	23	21
B.TECH(COMPUTER SCIENCE & ENGINEERING)	83	80
M.TECH (STRUCTURAL ENGINEERING)	13	13
M.TECH (PRODUCTION ENGINEERING)	12	12
M.TECH(COMPUTER SCIENCE & ENGINEERING)	7	7
M.TECH(POWER SYSTEM ENGINEERING)	12	12
M.TECH(COMMUNICATION ENGINEERING)	4	4
MBA	51	41
MCA	63	63

FUNDS RECEIVED

- Prof. R Paikray from Department of MBA has received a fund to carry out a research project on regional ecosystems in medical devices.
- Prof D. Mishra from Department of MBA received a fund to carry out a research project creation of vending zone in old town area of Bhubaneswar.
- Prof. Lalbahadur Majhi Department of EEE received a fund to carry out a research project Solar pumping embedded with variable frequency drives.
- Dr. Asita Kumar Rath Department of Mechanical received a fund to carry out a research project on design and fabrication of sheet rolling machine.
- Prof. Dr.Ranjan Kishore Mallick Department of Mechanical received a fund to carry out a research project on hydraulic bending machine.
- Dr. S.K.Behera Department of Civill Engineering received a fund to carry out a research project on development of light weight foamed bricks from red mud.
- Prof. Uttam kumar Jena Department of Computer Science Engineering received a fund to Carry out a research project on online attendance system.
- Prof. Durga Prasanna Mohanty Department of Electrical Engineering received a fund to Carry out a research project on solar ac generating unit.
- Prof. Prof.Sreelekha Panda Department of Electronics Engineering received a fund to carry out a research project on automatic plant irrigation system.

CLUB AND CELL ACTIVITIES

All the clubs and cells were inaugurated for the academic year 2020-2021 and conducted various programmes and activities.

CLUB ACTIVITIES

- The **VIPNET club** organized a webinar on “**REMOTE LEARNING: MAKING A VIRTUE.**” on 26/01/2020
- The **YRC Club** undertook a “**TALL TREE PLANTATION DRIVE.**” on 02/02/2020
- The **YRC Club** celebrated “**INTERNATIONAL MOTHER LANGUAGE DAY.**” on 20/02/2020
- The **YRC Club** organized “**VAN MOHASTAV.**” on 02/07/2020
- The **TEAM WASH** organized a awareness program on “**SANITATION, HYGIENE AND HEALTH CARE.**” on 20/09/2020.
- The **YRC Club** organized a “**AWARENESS PROGRAM ON HIV/AIDS**” on 01/12/2020
- The **VIPNET club** organized a webinar on “ **TO SENSITISE AND MAINTAIN HYGIENE IN COVID 19 PANDEMIC.**” on 04/12/2020.
- The **YRC Club** organized “**FREE DENTAL CHEKE UP CAMP.**” on 28/12/2020.
- The club **TEAM WASH** organized a” **HOSTEL CLEANNESS DRIVE.**” on national cleanness day on 30/01/21
- The **VIPNET club** organized a webinar on “ **SCIENTIFIC TEMPER.**” on 28/02/2021
- The **VIPNET club** organized a webinar on “**MENTAL HEALTH DURING COVID 19 PANDEMIC.**” on 25/03/2021
- The **VIPNET club** organized a webinar on “**OPPORTUNITIES IN ENGINEERING WITH RESPECT TO RESEARCH.**” on 26/04/2021.
- The **VIPNET club** organized a webinar on “**HOW SCIENCE CAN BE TRANSFORMED TO A TECHNOLOGY.**” on 23/05/2021.
- The **VIPNET club** organized a webinar on “**SCIENTIFIC QUIZ COMPETITION.**” on 21/06/2021.
- The **VIPNET club** organized a webinar on “**CHANDRAYAN -2 MISSION.**” on 24/07/2021.
- The **VIPNET club** organized a webinar on “**POSTER COMPETITION RELATED TO SCIENCE.**” on 21/08/2021.

IIC CELL ACTIVITIES

- One week Faculty Development Programme on " **ADVANCES IN MACHINING IN METAL JOINING PROCESS.**" from 09.03.2021 to 15.03.2021.
- One week Faculty Development Programme on " **AUTOMOBILE ENGINEERING.**" from 19.08.21 to 25.08.21
- One week Professional Development Programme on “**STUDENT ACCOUNTIBILITY IN ONLINE LEARNING.**” from 09.05.2021 to 15.05.2021.
- One week Training programe on “**PATENT FILING.**” from 19.08.21 to 25.08.21.

- One week Faculty Development Programme on "**INDUSTRIAL AUTOMATION AND CONTROL TECHNOLOGIES.**" from 09.03.2021 to 15.03.2021.
- One Week Faculty Development Programme on "**DISTRIBUTED GENERATION AND SMART GRID TECHNOLOGY.**" from 19.08.21 to 25.08.21.
- One Week Faculty Development Programme on "**ANTENNA SIMILATION USING HFSS.**" from 15.03.2021 to 21.03.202
- One week training programme on "**API, RESEARCH PROJECT FUNDING AGENCIES AND NAAC PREPARATION FOR FACULTY.**" from 24.05.2021-30.05.2021.
- One week Seminar on "**EXHIBITING THE INSTRUCTIONAL SKILLS AND KNOWLEDGE NEEDED TO MEET THE NEEDS OF ALL STUDENTS.**" from 09.09.2021 to 15.09.2021.
- One week Faculty Development Programme on "**APPLICATION OF MATHEMATICS IN ENGINEERING & MANAGEMENT.**" from 09.04.2021 to 15.04.2021
- One week training program on "**AN INTRODUCTORY COURSE FOR OFFICE ADMINISTRATION.**" from 12.04.2021 to 18.04.2021
- One week training program on "**TEAM BUILDING STRATEGIES.**" from 12.07.2021 to 18.07.2021
- One week training program on "**EFFECTIVE OFFICE ADMINISTRATION & MANAGEMENT.**" from 12.04.2021 to 18.04.2021.
- One week training program on "**STRESS AND TIME MANAGEMENT.**" from 09.08.21 to 15.08.21.
- One week training program on "**HOW TO MAINTAIN LABORATORY AND OTHER STOCKS.**" from 11.08.2020-17.08.2020.
- One week training program on "**AN INTRODUCTION OF MICROSOFT OFFICE.**" from 15.02.2021 to 21.02.2021

