

KCE's Post Graduate college of Science, Tech. and Research, Jalgaon

Annual Report 2018-19

I am very happy to present the annual report of the academic year 2018-19 of **KCE's Post Graduate College of Science, Tech. and Research (PGCSTR), Jalgaon** popularly known as KCE's PG College. **PGCSTR** is the first and only college in Maharashtra who runs only post graduate courses in science discipline and is established in 2010. One could see in the college major expansion in terms of introducing new programs, strengthening research and technical and analytical skills of the students. The expansion was not only in terms of quantitative but also quality wise as per as infrastructure, student strength as well as laboratory facilities are concern. College has been in the forefront to implement various student centric-schemes (activities) and planning of academic Programms, few of them are given below.

Induction Training workshop: Induction training workshop was conducted by College on 16th Feb. 2019. The chief guest for the inauguration function was Dr. D. G. Hundiwale, he motivated the participants through his speech about the soft skill, up-gradation of subject knowledge and use of internet & ICT tools in teaching and learning process and contribution of the teacher for the society. Former principals Dr. G. S. Chaudhari and Dr. R. T. Mahajan also address the teachers about college history and research methodology respectively. Dr K. B. Mahajan, talked about KCE Society. Dr. Zope V. S. Principal of PGCSTR illustrated the UGC norms and University act about the workload of College teacher and Performance based assessment system PBAS. Dr. Ashok Rane, Principal, College of Education, guided on teaching and learning process. Hon'ble Mr. N. G. Bendale had given a motivating and inspiring lecture to the teachers on how we should improve ourselves in research and academics. 17 staff members attended the workshop.



One Day Seminar on Intellectual Property Right: One day seminar on Intellectual Property Right (IPR) was organized by IQAC of the college on 2nd April 2019. Dr. Vikas Gite,

Head Department of Polymer sciences, SOCS, KBC North Maharashtra University, Jalgaon delivered the lecture on rules and importance of IPR. Dr. G. K. Mahajan also elaborated IPR with suitable examples.

IQAC : IQAC of the college executed various activities such as Commencement of NPTEL, SWAYAM portal, University level power point presentation competition, Hands on training on sophisticated instruments and Induction training program for teaching staff. On 19/12/2018 college received the approval letter from IIT Madras for NPTEL, *swayam* portal for students and Teachers.

Proposal of certificate course, under 181 on Certificate course in Bio-analytical Techniques and Bio-informatics and Certificate course in Analytical Chemistry was submitted to KBC North Maharashtra University for approval. The proposal to get 2(f) recognition by UGC was submitted and probability before the commencements of next academic year certificate by the UGC is expected.

Maths Skill Development Workshop: Our College organized Maths Skill Development Workshop with the collaboration of All India Ramanujan Maths Club, Dr. C. V. Raman Club, Vigyan Prasara Network of Science Clubs, Government of India, Zilha Parishad Secondary Education Department, Jalgaon and M. J. College, Jalgaon. The workshop was organized on 22nd February, 2019 in which 29 M. Sc. students of PGCSTR and 38 secondary teachers of Jalgaon district were participated.

International Webinar: Department of Microbiology of the College organized a one day International webinar for students of Microbiology and Biotechnology department. **35 students** and staff members from Department of Microbiology and Biotechnology attended this Webinar. The topic of the International webinar was on "**Trends in Genetic Modification**" and held at New conference hall on 9st February, 2019. The Webinar was organized by Microbiologist Society, India and Mahyco Research Foundation Trusts Badrinarayan Barwale Mahavidyalaya, Jalna.

Swayam: College has established NPTEL swayam local chapter for online learning of students as well as teachers. It provides various online certificate courses in various branches of science, humanities and engineering fields.

University Level Power Point Presentation Competition - 2019: Post Graduate college of Science, Technology and Research, Jalgaon organized University level power point presentation competition on 25th January, 2019 for the students of Organic Chemistry, Microbiology and Biotechnology. The competition was inaugurated at the auspicious hands of Dr. D. G.

Hundiwale, Academic Director, K. C. E. Society, Jalgaon. For this competition **23** students were present from various colleges affiliated to KBCNMU, Jalgaon. **16** students were also present from different Schools of KBCNMU, Jalgaon. The topics for competition were 1. Safety Precautions in Laboratory, 2. Green Chemistry/Technology, 3. Instrumental Methods of Analysis, 4. Genetically Modified Organisms, 5. Sustainable Biotechnology.

Prospective Researchers' Scheme (PRS): In order to inculcate the research attitude amongst the students prospective researchers' scheme was introduced. This year all the students (69) of the second year participated in this scheme. Students completed their research project under the supervision of 16 teachers. The projects were evaluated by external experts, first and second rank projects were selected for the award of cash prize. The outcome of the projects will be the compendium of research articles by prospective researchers.

Awards to students: Miss Lathi Snehal Dilip stood **Second in University Merit list** at M. Sc. Biotechnology examination held in May 2018. **Annasaheb Dr. G. D. Bendale Scholarship** was awarded to poor, aspirant and clever students of the college for which Vishal Patil, Umakant Patil, Sandip Patil, and Priyanka Chaudhari were awarded the scholarship. Students of the college involved actively in Co-curricular and extracurricular activities by participating in university **"Youth Festival"** (Yuvarang) and university research festival **"Avishkar"** Miss. Neha Bhamare awarded Third Prize in Cartooning and Mr. Sonar Yogita Ashok awarded Consolation prize for the event Installation in Yuvarang 2019. One teacher and 27 students of the college were participated in Avishkar in which two groups of student and a teacher were selected in district level. Miss. Rupali Chaudhari awarded a endowment prize for being first in M. Sc. Organic Chemistry. Best student award given by Microbiologist Society of India have been achieved by Miss Patil Hema Arun. The academic audit of the college was held on 6th May 2019 by the University committee members. Dr. D.R. Patil, chairman, Dr. M. V. Patil and Dr. A.P Khairnar, members of committee audited the facilities present in the college and appreciated the efforts taken by management and the staff members. It is proud to mention that, our college has been conferred **'B' grade** by academic audit committee of KBC North Maharashtra University. To enhance the statistical conceptual attitude among the students, college initiated the self-governing certificate course in statistical approaches in analysis. 32 students were successfully completed this certificate course. College had organized various extension activities such as blood donation camp, celebration of national science day, annual social gathering SPANDAN, tree plantation and voter awareness program. Three faculty members have submitted their Ph. D. thesis and three faculty members have registered for Ph. D. in this academic year. Faculty

members are also participated in various national international conferences and workshop. Department of mathematics and chemistry of the college collaborated with department of mathematics of M. J. College and SOCS, KBC NMU, Jalgaon for teaching and research activities. Dr. J. N. Chaudhari from M. J. College and Dr. Vasim Shaikh from SOCS, imparted the instruction to PGCSTR students.