

Ph.D. Program at DRILS (As Associate Institute of the University of Hyderabad)

The Ph.D. program provided students with opportunities for original research in modern biology and chemistry. The uniquely designed coursework provided cross-disciplinary education in specific areas of chemistry and biology, to develop capability in true interdisciplinary research. The DRILS Ph.D. program was envisioned to nurture future generations of scientists in India with the ability to innovate at the interface of chemistry and biology.

Ph.D. admission to DRILS was done using two levels of selection: Students qualifying in the 'NET' examination for JRF conducted by CSIR, DBT or ICMR were required to appear for two rounds of interview. The final selection was based on an overall assessment of the candidates.

The first three batches of students have been registered in the streams of Chemistry, Biochemistry or Biotechnology. Students admitted to the Ph.D. program had to undertake courses of 12 credits in one year and had to pass all of them with an aggregate score of 60% (grade of B). The teaching philosophy at DRILS has been to create a student-centric and flexible course curriculum, taught by interactive and discussion-based sessions.

The courses were as follows:

1. Basic Chemistry or Biology (Cross-disciplinary) (3 credits):
A basic cross-disciplinary course in which biology students were expected to learn basic chemistry and chemistry students expected to learn basic biology.
2. Advanced Chemistry or Biology (3 credits):
An advanced course in which students were expected to understand concepts in detail within their own disciplines (chemistry and biology).
3. Introductory Seminar (1.5 credits):
A common seminar course in which all students were expected to acquire the fundamentals of critically reading, analyzing and presenting research articles.
4. Advanced Course in Chemical Biology (3 credits):
An advanced course in which all students were expected to gain an appreciation of the interfacial field of chemical biology, utilizing specific examples from published literature.
5. Advanced Seminar (1.5 credits):
A common advanced seminar course in which all students were expected to critically analyze and present a review of contemporary journal articles.

[One credit is defined as one 50-minute learning session per week for 15 weeks]

Students were asked to provide a priority list of three faculty members as potential mentors for their Ph.D. dissertation work. The final assignment of students to specific labs was based on the decision of the faculty members. Students were required to write and orally defend their major research proposal within one year after the course work ends. Students carried out their work under the supervision of their mentor and the advice of a four-member doctoral committee. Participation in research seminars and submission of yearly progress reports of research work was required. The scholars have presented their research work in comprehensive

seminars before the submission of the thesis. Award of Ph.D. by the University of Hyderabad will be based on the recommendation of the doctoral committee.

DRILS Ph.D. students and their status

	Name	Department	Ph.D Awarded	Supervisor	Current Position
1	D Rambabu	Chemistry	April 2013	Manojit Pal	
2	Dhilli Rao Gorja	Chemistry	June 2013	Manojit Pal	
3	P Vijaya Babu	Chemistry	Thesis Submitted	Manojit Pal	
4	Alinakhi	Chemistry	6/1/2014	Manojit Pal	Post-Doctoral Fellow, University of Pittsburgh
5	Narendar Reddy Gade	Chemistry	8/1/2014	Javed Iqbal	
6	Madhu Aeluri	Chemistry	12/1/2014	Prabhat Arya	Post-Doctoral Fellow, Karolinska Institute
7	Ch Srinivas	Chemistry	1/1/2015	Prabhat Arya	Post-Doctoral Fellow, Baylor College of Medicine
8	Adepu Raju	Chemistry	1/1/2015	Manojit Pal	
9	B Prasad	Chemistry	1/1/2015	Manojit Pal	
10	J Ravi Kumar	Chemistry	2/1/2015	Prabhat Arya	Research Scientist, Sai Advantium
11	G Shiva Krishna Reddy	Chemistry	3/1/2015	Prabhat Arya	Post-Doctoral Fellow, Baylor College of Medicine
12	Kapadia Bandish Bhkatesh	Biology	5/1/2015	Parimal Misra	Post-Doctoral Fellow, University of Maryland Baltimore
13	Dasari Bhanudas	Chemistry	6/1/2015	Prabhat Arya	Research Scientist, Sai Advantium
14	V Ratnam Nallamelli	Chemistry	11/1/2015	Rajamohan Reddy	

				Poondra	
15	Saidulu K	Chemistry	12/1/2015	Prabhat Arya	Research Scientist, GVK Bio
16	J Srinivas	Chemistry	12/1/2015	Prabhat Arya	
17	Tapan Kumar Singh Nayak	Biology	Final stage of experiments	Kishore Parsa	
18	Gaddam Jagan	Chemistry	Final stage of experiments	Prabhat Arya	
19	T.Malathi	Biology	Final stage of experiments	Kishore Parsa	
20	G Shraavan Babu	Biology	Final stage of experiments	Prasenjit Mitra	
21	Soma Behera	Biology	Final stage of experiments	Kishore Parsa	
22	Pavani Neeraja	Biology	Thesis submitted	Kishore Parsa	
23	E. Ramanjaneya Reddy	Chemistry	Thesis submitted	Marina Rajadurai	
24	Govardhan. K. S	Biology	Viva voce done	Prasenjit Mitra	Senior Scientific Analyst, GVK Informatics
25	Vamshi Krishna I	Biology	Writing Thesis	Kiranam Chatti	
26	Mohd Khubaib	Biology	Writing Thesis	Syed Hasnain	
27	Saurabh Pandey	Biology	Writing Thesis	Syed Hasnain	
28	M Naveen	Chemistry	Writing Thesis	Prabhat Arya	
29	Devendram V	Chemistry	Writing Thesis	Rajamohan Reddy Poondra	
30	K Mahender	Chemistry	Writing Thesis	Prabhat Arya	
31	S Rajanikanth	Chemistry	Writing Thesis	Manojit Pal	
33	K Ramya Sri	Biology	Writing	Prasenjit	

2			Thesis	Mitra	
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