Yashwantrao Chavan Maharashtra Open University

School of Sciences

(Formerly School of Architecture, Science and Technology)

Minutes of the PAC (V154: M.Sc. Chemistry) Meeting held on 26.07.2023

The PAC Meeting for V154: M.Sc(Chemistry){2023 Pattern} programme as per NEP 2020 of School of Sciences was held offline & online on Wednesday, 26-07-2023 at 11:30 AM at school meeting hall. Following members and invitees were present,

Sr. no.	Member name	Post	Attendance
1	Dr. Chetana Kamlaskar	Chairperson and Member	Present
2	Dr. Sunanda More	PAC member	Present
3	Prof. Dr. S. D. Delekar	PAC member	Present
4	Prof. Dr. Nandkishor	PAC member	Present
5	Dr. Arvind Vinayak Nagawade	PAC member	Present
6	Dr.Thopate Tukaram.s.	PAC member	Present
7	Prof. Shamrao Golekar	PAC member	Present
8	Dr. Amol Kategaonkar	PAC member	Present
9	Dr. Borhade Ashok Vishram	PAC member	Present
10	Dr. Bharat More	PAC member	Present
11	Mr. Manish Shingare	Invitee	Present
12	Mr. Tejaswi Kadam	Invitee	Present
13	Mrs. Shweta Kapade	Invitee	Present
14	Mr. Ghanshyam Patil	Invitee	Present
15	Mr. Rahul Nawale	Invitee	Present

Dr. Chetana Kamlaskar, Chairperson and Member of the PAC (M.Sc. Chemistry), first welcomed PAC members and introduced the members about the purpose of the meeting. During the meeting following items were discussed.

SN	Details of Items	Resolution
1	Agenda 1: To finalize and approve proposed Programme structure, Credit Distribution, Detailed syllabus and Evaluation pattern of all courses of V154: M.Sc. Chemistry {2023 Pattern} as per NEP 2020	The PAC members unanimously finalised and approved the Programme structure and syllabus of proposed V154: M.Sc. Chemistry {2023 Pattern} as per NEP 2020 (GR dated 16 May 2023) with programme structure and credit distribution are as follows – Credit distribution for **mandatory courses** (total 14 credits for each semester 01 to 03 and total 12 credits for semester 04) – • 2 Theory with 4 Credits • 1 Theory with 2 Credits • 1 Practical with 4 Credits

Programme Structure

V154: M.Sc. (Chemistry) {2023 Pattern} as per NEP 2020

Year (2 Yr. PG)	Level	Sem.	Major				RM	OJT/FP	RP	Cum. Cr.
			Mandatory	CR	Elective	CR				
I	6.0	I	**CHE501**: Inorganic Chemistry-I **(T)**	4	**CHE 506**: Physical Methods in Chemistry **(T)** OR **CHE 507**: Polymer Chemistry **(T)**	4	**RES505**: Research Methodology **(T) 4 CR**	-	-	22
			CHE 502: Physical chemistry-I **(T)**	4						
			CHE 503: Organic Chemistry-I **(T)**	2						
			CHE 504: Lab Activities on CHE 501, CHE 502 & CHE 503 **(P)**	4						
		II	**CHE 509**: Inorganic Chemistry-II **(T)**	4	**CHE 515**: Analytical Chemistry **(T)** OR **CHE 516:** Chemical Mathematics & Biostatics **(T)**	4	-	**CHE 513: OJT (4 CR)** OR **CHE 514: FP (4 CR)**	-	22
			CHE 510: Physical Chemistry-II **(T)**	4						
			CHE 511: Organic Chemistry-II **(T)**	2						
			CHE 512: Lab Activities on CHE 509, CHE 510 & CHE 511 **(P)**	4						
Cum. Cr. For 1 Year PG Diploma			**28**		**8**		**4**	**4**	-	**44**
Exit option: Post Graduate Diploma {PGD 12– CHE (44 Credits)} after Three Year UG Degree										

Year (2 Yr. PG)	Level	Sem.	Major				RM	OJT/ FP	RP	Cum. Cr.
			Mandatory	CR	Elective	CR				
II	6.5	III	**CHE 601**: Organic Reaction Mechanism **(T)**	4	**CHE 606**: Green Chemistry **(T)** OR **CHE 607**: Drugs & Heterocyclic **(T)** OR **CHE 608**: Biotechnology **(T)**	4	-	-	**CHE 605: Research Project: (4 CR)**	**22**
			CHE 602: Stereochemistry **(T)**	4						
			CHE 603: Advanced Synthetic Methods **(T)**	2						
			CHE 604: Lab Activities on CHE601 , CHE602 & CHE603 **(P)**	4						
		IV	**CHE 609**: Advanced Organic Chemistry **(T)**	4	**CHE 613**: Natural Products **(T)** OR **CHE 614**: Industrial Organic Chemistry **(T)** OR **CHE 615**: Pharmaceutical Chemistry **(T)**	4	-	-	**CHE 612: Research Project: (6 CR)**	**22**
			CHE 610: Advanced Organic Spectroscopy **(T)**	4						
			CHE 611: Lab Activities on CHE 609 & CHE 610 **(P)**	4						
Cum. Cr. For 2 Years PG Degree			**54**		**16**		**4**	**4**	**10**	**88**
2 Years- 4 Semester PG Degree in Chemistry (88 credits) after Three Year UG Degree										

SN	Details of Items	Resolution
2	**Agenda 2:** Finalization and approval for syllabus of Research Methodology course offered in all PG Programme by PAC members.	The PAC members unanimously finalized and approved for syllabus of Research Methodology course offered in all PG Programme by PAC members with Dr. Delekar (PAC members) suggested – • Some contents are to be added in unit 4.2– intellectual property rights (IPR). • Include content on start-up, Skill development, innovation and entrepreneurship Syllabus will be modified accordingly.
3.	**Agenda 3:** Finalization and approval for elective courses and their syllabus offered in M.Sc. Chemistry Programme by PAC members.	Few new elective courses suggested by PAC members along with its content are as follows: 1. Chemical Mathematics & Biostatistics 2. Biotechnology 3. Pharmaceutical Chemistry It is also resolved to authorize the Director of this School to enrich and update the elective courses from time to time as per the industry needs and University Policy decisions/norms.
4.	**Agenda 4:** Finalization and approval for On Job Training (OJT)/ Internship and Field Project (FP) and their guidelines offered in M.Sc. Chemistry Programme by PAC members.	The PAC members unanimously approved the proposed On Job Training (OJT)/ Internship and Field Project (FP) and RP guidelines along with evaluation patterns. During discussion on the proposed OJT guidelines, • PAC members suggested Industry, consulting NGO and academic institutes for OJT/FP.
5.	**General discussion:**	An overall discussion of the above agenda was done briefly with active participation of all members. PAC members appreciated the efforts taken by the School in preparing programme structure and its syllabus as per NEP 2020 guidelines. Vote of Thanks was proposed by Mr. Ghanshyam S. Patil.

(Dr. Chetana Kamlaskar)
Director,
School of Sciences