



Mafatlal Gagalbhai Science Institute (M. G. Science Institute)(Autonomous)

(Accredited "A" level by NAAC (Third Cycle), 2021)

Affiliated to Gujarat University

P. B. No. 4007, Opp. Gujarat University, Navarangpura, Ahmedabad-380009. Phone : 079-26302872, 26300242

Ref. No.

Date :

Minutes of the 1st Academic Council Meeting

M. G. Science Institute (Autonomous)

Date: April 13, 2024

Time: 10:30 am

Venue: Department of Chemistry,
M G Science Institute (Autonomous)

Ahmedabad -380009

The first meeting of the Academic Council of M. G. Science Institute (Autonomous) affiliated to Gujarat University convened on 13th April 2024 at 10:30 am

The following Members were present.

Dr. Jwalant Vora	Chairman
Dr. Alpana Shukla	Head of Department
Dr. Harshang Pandya	Head of Department
Dr. R.K. Pujara	Head of Department
Dr. Paras M. Solanki	Head of Department
Dr. S. G. Yadav	Head of Department
Dr. Noopur Goyal	Head of Department
Dr. Parimal H. Trivedi	Head of Department
Dr. Haresh G. Patel	Head of Department
Dr. Zankhana Rathod	Faculty Representative
Mr. Hiren Rathod	Faculty Representative
Prof. Utpal Joshi	University Representative
Dr. Nita Shah	University Representative
Dr. J. R. Patel	GB Representative
Dr. Hemangi Vora	GB Representative
Dr. Ashok Singhvi	GB Representative
Dr. J.K. Desai	Controller of Examination

Vanika K.K.

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Dr. Kirit Vaniya	Member-Secretary
Dr. Ramesh Katariya	Invitee

The following members conveyed their absence.

Dr. M. B. Thaker	Head of Department
Dr. Shailesh N Zala	Head of Department
Ms Sunita Jha	Faculty Representative
Dr D.I. Prajapati	Faculty Representative
Dr. Prateek Kanchan	University Representative
Dr. Rashmi Barbhaiya	GB Representative

At the outset of the meeting, member secretary Dr. Kirit Vaniya extended a warm welcome to all members. Chairman Dr. J. J. Vora introduced all the members to each other.

The meeting commenced with Dr. Kirit Vaniya introducing the agenda for discussion and brief highlights of M G Science Institute's achievements and facilities.

Resolution: Council members noted the item.

Agenda 1: Confirmation of Roles and Responsibilities

The council was updated about the formation of the Academic Council and roles and responsibilities as per the Gazette of Govt. of India. Each member was introduced to the council members.

Resolution: Council members noted the item.

Agenda 2: Overview of Autonomy Status

The member secretary presented an overview detailing when this college applied for autonomous status and when the UGC confirmed its Autonomy status. He also introduced the key advantages and responsibilities borne by M G Science as an autonomous institution.

Resolution: Council members noted the item.

Agenda 4: Formation of Committees

Vaniya K.K.

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Council was informed about the formation details of various important committees like the Governing Body, Academic Council, Finance Committee, and other committees.

Resolution: Council members noted the item.

Agenda 5: Review and Approval of Academic Policies

The council was informed about the various academic policies for an autonomous institution and assured that M. G. Science follows UGC policies for the same.

Resolution: The council appreciated and noted the item.

Agenda 6: Curriculum Development and Revision

It was presented that the syllabus for nine subjects (BS in Biochemistry, Botany, Chemistry, Geology, Mathematics, Microbiology, Physics, Statistics, and Zoology) for major, minor, multidisciplinary and Skill Enhancement Courses together with Indian Knowledge system, Value added courses and Ability enhancement courses have been prepared and approved by respective Board of Studies.

Additionally, the council was informed that in alignment with our commitment to offering innovative education, 4 UG (BS in AI & ML, Data Science and Analytics, Computer Science, Biotechnology) and 3 PG (M.Sc. in Geology, Chemistry and Microbiology) self-financed courses are approved in GB meeting and syllabus for these PG self-financed courses have been formulated and approved by the Board of Studies.

- Dr. Alpana Shukla emphasized the importance of teaching pure sciences alongside applied content to maintain a balance.
- Dr. Nita Shah suggested a combination of pure and applied sciences in the curriculum.
- Dr. R.K. Pujara highlighted the significance of retaining the essence of pure sciences in the curriculum to uphold foundational knowledge.
- Committee members suggested sharing all syllabus on drive with all AC members for a detailed study.

Resolution: Council was informed that almost syllabus is prepared as per the required trend and assured that all the suggestions will be taken into consideration.

- All the multidisciplinary courses are prepared based on applied content that is multidisciplinary.

Venigalla K.K.

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- Principal Dr. Vora assured the committee that the suggestions of the committee will be implemented in the syllabus of further semesters.
- The syllabus drive has been shared with all the members.

Agenda 7: Examination System a) Evaluation of Examination System b) Discussion on Examination Reforms and Improvements

Dr. Kirit Vaniya informed the council that the "Exam regulation" for M. G. Science Autonomous has been formulated by the controller of Examination Dr. J. K. Desai and Chairman Dr. J. J. Vora with the exam committee, in accordance with the rules, and regulations set by the Gujarat University and UGC.

Resolution: Council members noted no major reforms in accordance with UGC and Gujarat University guidelines.

Agenda 8: Research and Innovation

The research activities of M. G. Science Institute were highlighted indicating the number of doctorate faculties and PhD guides. the student projects with INSPIRE scholarship programs and ongoing faculty projects of various departments allocated by Government bodies.

Resolution: Council members noted and appreciated the item.

Agenda 9: Student Affairs and Welfare

The council was informed about various student affairs and welfare committees and their formation process, like the student union, WDC, Grievance committees, etc. also with the students' welfare various scholarship programs were informed.

Resolution: Council members noted the item.

Agenda 10: Quality Assurance and Accreditation

M. G. Science regularly goes for accreditation and ranking. The council was informed about the formation of IQAC of M. G. Science Institute, and the IQAC ensures college performance monitoring, transparency, and continuous improvement based on feedback, and highlighted the former accreditation of M. G. Science with three times A grade and also GSIRF and NIRF ranking.

Resolution: Council members highly appreciated that.

Vaniya K. K.

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Agenda 11: Any Other Agenda with the permission of the chair

- Dr. Parimal Trivedi proposed the initiation of M.Sc. Physics in AI & Semiconductor within the Physics department.
- Dr. J. R. Patel suggested incorporating internships with a feedback system in each course.
- Prof. Utpal Joshi recommended the introduction of Massive Open Online Courses (MOOCs) and a web-based learning management system (LMS) should be used to manage online course learning materials.
- Dr. Ashok Singhvi proposed the flexibility of course choices, and collaboration with local institutions like IPR, IIT, IIM, SAC, and PRL, etc.
- Further Dr. Ashok Singhvi's emphasis on
 - Flexibility of choice of course. e.g. students from botany or zoology should be able to take courses in data science/ mathematics and develop their credentials for bioinformatics or a Chemistry student take courses in genetics, geology, and biology to develop their profile for bio-geo-sciences or geobiology. Many new options can be considered.
 - Once the students join, they are students of MGS and all courses should be accessible to all irrespective of their fee route.
 - Creation of a formal working arrangement with local institutions like IPR, IIT, IIM, SAC, PRL, and NIPER for lecture modules, laboratory access to students, and collaborative research.
 - Emphasis on adding to communication skills – written and spoken. Possible development of book club such that students summarize a book allotted to them at the end of the semester and make a presentation of 30 min to all the students. This will expose them to new literature.
 - Regular interaction of students with eminent experts from areas of science and other than science – management, legal, economics, and commerce to widen their horizons.
 - Teaching and summer internships for students -supported by Indian Academies which offer 2 months stay in an active group for hands-on exposure to research/collaborations. Many institutions also have similar programs.
 - These are announced in September and the closing date is November for visits during next summer. <https://webjapps.ias.ac.in/fellowship2023/index.html>
 - Efforts to create avenues that provide for MGS faculty, time, and resources to develop their own research through collaborative programs with colleagues at other institutions. This could include a short sabbatical, some support for travel, etc. If every faculty writes a project, then, sufficient overhead will accrue to support such requests.

Vandana K.K.

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- Communication Skills Enhancement: There is a notable emphasis on enhancing both written and spoken communication skills among students.
- The proposed initiative is the establishment of a book club. Under this program, students will be assigned a book to read throughout the semester. At the end of the semester, each student will summarize the assigned book and deliver a 30-minute presentation to their peers. This initiative aims to expose students to new literature while honing their communication abilities.
- Regular engagement of students with distinguished experts from various fields, including science, as well as non-scientific domains such as management, legal studies, economics, and commerce, is proposed. This initiative aims to broaden the student's perspectives and deepen their understanding across diverse disciplines.
- Dr. Nita Shah proposed inviting alumni for expert talks.
- Dr. J. R. Patel emphasized the utilization of interactive teaching methods like "chalk and talk", and "walk and talk" in classrooms.
- Dr. S. G. Yadav emphasized the utilization of Artificial Intelligence tools in teaching methods like verified ethical use of chat GPT for creating class notes and course content for faculties.

Resolution: Council members noted the items also had a healthy debate on students' use of Chat GPT. AC Chairman assured the committee about the positive actions in all regards; particularly curriculum aspects.

Agenda 12: Closing Remarks

Dr. Noopur Goyal as IQAC coordinator, in her closing remarks, expressed gratitude to all members for their valuable suggestions, and on behalf of the chairman of the Academic Council, she assured that all recommendations would be carefully considered and incorporated into the academic framework.

The meeting concluded at 12:40 pm.

J. J. Vora

Chairman
(Dr. J. J. Vora)

Offg. PRINCIPAL
M. G. Science Institute
Navrangpura, Ahmedabad.



Vaniya K.K.

Member Secretary
(Dr. Kirit Vaniya)