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ORIENTAL COLLEGE OF TECHNOLOGY, BHOPAL

Approved by AICTE, New Delhi & Govt. of M.P. Affiliated to Rajiv Gandhi ProudyogikiVishwavidyalaya, B.U, Bhopal
Oriental Campus, Raisen Road, Bhopal-462022 (MP) INDIA

Ref: OCT/IQAC/2026/ 5062B

Date: 14/08/2026

Constitution of Academic Advisory Committee (Session 2026-2027)

S. No.	Name	Designation	Post
1	Dr. K.K. Dwivedi	Director, OCT	Chairman
2	Mrs. Soniya Thakral	Management Representative, Nominated by Chairman OGI	Member
3	Dr. Jitendra Agrawal	Director, SOIT, RGPV, Bhopal	Academic Member
4	Dr. Dilip Singh Sisodiya	Professor at NIT Raipur (Chhatisgarh)	Academic Member
5	Dr. Daniel D. Dasig	Head, Research Ethics Unit, College of saint, Manila, Philippines	Academic Member
6	Mr. Tarun Jain	Director, NI logjcs Pvt. Ltd., Maharashtra	Industry Member
7	Ms. Payal Raisinghani	Lead - Talent Acquisition - Talent Cloud, Netlink Software, Bhopal	Industry Member
8	Ms. Rita Jain	Director, AVRN Intellitech Pvt. Ltd. , Bhopal	Industry Member
9	Ms. Sonali Sharma	Capgemini Expeller Team – India	Industry Member
10	Mr. Ashish Sarkar	Regional Head of Talent Acquisition, TCS	Industry Member
	Dr. Urmila Mahor	IQAC Coordinator	Academic Member
11	Dr. Nikhat Raza Khan	Professor CSE and Head	Academic Member
12	Dr. Yogesh Murthy Iyer	Professor CE	Academic Member
13	Dr. Sandeep Garg	Professor EC and Member	Academic Member

All the above members are requested to actively participate and contribute towards achieving academic excellence.

Key Roles and Responsibilities

1. Academic Development and Planning: Provide expert inputs for strengthening academic programmes and promoting continuous improvement in institutional teaching and learning practices.
2. Curriculum Enrichment: Suggest the inclusion of emerging technologies, current industry practices, interdisciplinary topics, professional certifications, and other relevant learning components in academic programmes.
3. Industry and Institutional Linkages: Encourage collaboration with industries, reputed academic institutions, professional organizations, and research centres for mutual academic and professional development.

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4. Enhancement of Student Competencies: Recommend initiatives to develop students' technical knowledge, practical skills, communication abilities, leadership qualities, teamwork, and professional ethics.
5. Promotion of Experiential Learning: Advise on opportunities for internships, industrial visits, live projects, case studies, practical assignments, and industry-based learning activities.
6. Adoption of Innovative Pedagogy: Encourage the use of modern teaching approaches, digital learning resources, technology-enabled education, and student-centred instructional methods.
7. Outcome-Based Academic Practices: Suggest measures for improving the attainment of Course Outcomes (COs), Programme Outcomes (POs), and Programme Specific Outcomes (PSOs), wherever applicable.
8. Research and Innovation Initiatives: Promote collaborative research, consultancy, innovation projects, entrepreneurship, start-up activities, and intellectual property awareness among faculty members and students.
9. Faculty Competency Enhancement: Identify opportunities for faculty training, professional development, industry exposure, technical workshops, and knowledge-sharing programmes.
10. Employability and Career Advancement: Recommend strategies to improve students' career readiness through industry interaction, placement-oriented training, competitive examination preparation, entrepreneurship, and higher education guidance.
11. Academic Quality and Accreditation Support: Provide suggestions for strengthening academic standards, quality assurance practices, outcome-based education, and preparedness for applicable accreditation and regulatory requirements.
12. Stakeholder Engagement: Facilitate the use of feedback and suggestions from employers, alumni, students, faculty members, and external experts for improving educational effectiveness.
13. Identification of Emerging Opportunities: Examine developments in technology, research, professional practices, and employment trends to recommend new learning opportunities and future-oriented academic initiatives.
14. Review of Academic Initiatives: Examine the effectiveness of major academic improvement initiatives and recommend suitable modifications based on outcomes and stakeholder expectations.
15. Follow-up and Continuous Improvement: Review the status of actions arising from previous AAC recommendations and suggest further measures to ensure sustained academic progress.

Dr. K.K. Dwivedi

Director

Director
Oriental College of Technology,
Patel Nagar, Raisen Road, Bhopal

Copy To:

1. Hon'ble Chairman for kind information
2. Registrar/Director (T&P)/ Dean (R&D)
3. DSW/IQAC Coordinator/All HOD's/ Dean (Academics)/ All Committee Members

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Ref: OCT/DIR/ADMIN/2026/5074 A

Date: 26/08/2026

MINUTES OF MEETING

Academic Advisory Committee (AAC)

Date: 24/08/2026
Time: 11.00am
Venue: OCT, Conference Hall

Agenda

1. Confirmation of the minutes of the previous AAC meeting and review of the Action Taken Report.
2. Review of curriculum implementation and identification of opportunities for curriculum enrichment.
3. Recommendations for integrating emerging technologies, Artificial Intelligence, Data Science, and industry-relevant skills into academic programmes.
4. Strengthening industry–academia collaboration through MoUs, expert lectures, industrial visits, internships, and live projects.
5. Review of student skill development, employability, placement preparedness, entrepreneurship, and higher education opportunities.
6. Recommendations for innovative teaching-learning methodologies and experiential learning practices.
7. Review of Outcome-Based Education (OBE), including Course Outcomes (COs), Programme Outcomes (POs), and attainment improvement.
8. Promotion of faculty development, industry exposure, research collaboration, consultancy, and intellectual property rights.
9. Strengthening stakeholder feedback mechanisms and incorporating industry and alumni suggestions into academic improvement.
10. Review of academic quality assurance and preparedness for applicable accreditation requirements.
11. Formulation of recommendations and an action plan for the next academic cycle.
12. Any other matter with the permission of the Chairperson.

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Members Present

1. Dr. K.K. Dwivedi – Chairperson
2. Management Representative – Member
3. Dr. Jitendra Agrawal – Academic Member
4. Dr. Daniel D. Dasig – Academic Member
5. Dr. Dilip Singh Sisodia – Academic Member
6. Dr. R.S. Goswami – Industry Member
7. Ms. Payal Raisinghani – Industry Member
8. Mr. Ashish Mishra – Industry Member
9. Ms. Sonali Sharma – Industry Member
10. Mrs. Megha Agrawal – Industry Member
11. Dr. Urmila Mahor – Member (IQAC Coordinator)
12. Dr. Vandna Vaishnav – Academic Member
13. Dr. Sandeep Garg – Academic Member
14. Dr. Anjna Dubey – Academic Member

Agenda and Proceedings

Agenda No.	Discussion / Observations	Decisions / Recommendations
1	The Committee considered the previous meeting minutes and the status of earlier recommendations.	The previous minutes and ATR shall be confirmed after verification. Pending actions shall be followed up by the concerned departments.
2	Members discussed the relevance of the curriculum to contemporary academic and professional requirements.	Departments shall identify opportunities for curriculum enrichment through supplementary topics, case studies, practical assignments and expert sessions.
3	The importance of emerging technologies and future-oriented technical competencies was discussed.	Relevant workshops, certification courses, seminars and project-based learning activities shall be planned.
4	Members emphasized stronger interaction between the institution and industry.	Opportunities for industrial visits, internships, guest lectures, collaborative projects and industry partnerships shall be explored.
5	The Committee discussed students' employability, communication skills, technical proficiency and interview preparedness.	The Training and Placement Cell and departments shall identify skill gaps and plan appropriate training activities.
6	Members recommended greater use of innovative and student-centred teaching methods.	Faculty members shall be encouraged to adopt project-based learning, simulations, case studies and experiential learning.
7	The importance of outcome attainment	Departments shall review CO–PO/PSO mapping,

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	and continuous academic improvement was highlighted.	analyse attainment results and implement suitable corrective measures.
8	Faculty upskilling, research collaboration, consultancy, innovation and IPR awareness were discussed.	Relevant faculty development programmes, research initiatives and innovation activities shall be identified.
9	Members highlighted the role of stakeholder feedback in improving academic effectiveness.	Feedback shall be analysed, and appropriate improvement measures shall be incorporated into departmental plans.
10	The Committee discussed academic documentation, quality assurance and accreditation preparedness.	Concerned coordinators shall review relevant records and quality indicators in accordance with applicable requirements.
11	The need for systematic implementation and monitoring of recommendations was discussed.	An action plan with responsibilities, timelines and expected outcomes shall be prepared and monitored.
12	Additional academic matters, if any, were considered with the permission of the Chairperson.	Relevant suggestions shall be recorded and communicated to the concerned authorities, wherever applicable.

Key Recommendations

The Committee recommended that the Institute should:

1. Strengthen industry–academia collaboration and internship opportunities.
2. Promote research, innovation, consultancy and IPR activities.
3. Enhance technical and professional skills of students for improved employability.
4. Regularly upgrade laboratories, software, library and digital learning resources.
5. Increase the number of value-added courses, expert lectures, workshops and certifications.
6. Identify and implement best academic practices and innovative teaching-learning methods.
7. Monitor implementation of recommendations through periodic review and Action Taken Reports.
8. Continue the process of continuous improvement based on stakeholder feedback and academic performance.

The meeting concluded with a vote of thanks to the Chairperson and all members for their valuable suggestions and contributions.

26/8/25

Dr. K.K. Dwivedi

Director

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Ref: OCT/DIR/ADMIN/2026/309B

Date: 17/01/2026

Minutes of Meeting (AAC)

The Academic Advisory Committee of Oriental College of Technology, Bhopal convened its second meeting for the Academic Session 2025–26 with the participation of distinguished academic experts, industry professionals and senior internal academic members.

The members provided valuable suggestions based on their expertise in higher education, engineering education, research, industry, talent acquisition, employability, entrepreneurship, technology and academic quality assurance.

The suggestions were consolidated into key thematic areas to facilitate systematic implementation and monitoring through the institutional academic and quality-improvement mechanisms.

Outcome-Based Education and Academic Quality

The Committee emphasized the need for continuous strengthening of Outcome Based Education (OBE).

Recommendations

- Regular monitoring and analysis of CO, PO and PSO attainment.
- Identification of courses and outcomes having comparatively lower attainment.
- Root-cause analysis for low attainment.
- Implementation of corrective and preventive academic measures.
- Periodic review of the effectiveness of corrective actions.
- Strengthening outcome-based assessment methods.
- Ensuring alignment among curriculum, teaching-learning, assessment and outcomes.
- Maintaining proper documentation of attainment analysis and corrective actions.

Contributors: Dr. K.K. Dwivedi, Dr. Jitendra Agrawal, Dr. Nikhat Raza Khan.

Student Academic Performance and Support

The Committee emphasized systematic monitoring of student academic performance and strengthening student-support mechanisms.

Recommendations

- Conduct regular course-wise and semester-wise analysis of student performance.
- Identify academically weak students at an early stage.
- Strengthen remedial and tutorial classes.
- Improve mentor-mentee interaction.

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- Provide academic counselling and additional learning support.
- Monitor attendance and academic progress regularly.
- Provide advanced learning opportunities to high-performing students.
- Encourage advanced learners to undertake technical projects, certifications and competitions.

Contributors: Dr. K.K. Dwivedi, Dr. Jitendra Agrawal, Dr. Nikhat Raza Khan and Dr. Urmila Mahor.

Curriculum Relevance and Gap Analysis

The Committee recommended continuous review of the curriculum against academic, industry and societal requirements.

Recommendations

- Conduct periodic curriculum-gap analysis.
- Use student, alumni and employer feedback as inputs for curriculum improvement.
- Consider emerging technology trends while planning academic enrichment activities.
- Introduce suitable bridge courses, value-added courses and workshops wherever gaps are identified.
- Strengthen contemporary and application-oriented content.
- Ensure that students receive adequate exposure to current professional practices.

Contributors: Dr. Jitendra Agrawal, Dr. Tarun Jain, Ms. Rita Jain, Ms. Sonali Sharma and Dr. Nikhat Raza Khan.

Technical Skills and Emerging Technologies

The Committee emphasized that students should develop strong technical foundations together with awareness of emerging technologies.

Recommendations

- Strengthen programming and computational skills.
- Improve problem-solving and analytical abilities.
- Provide exposure to contemporary industry technologies.
- Encourage coding practice and technical assessments.
- Promote technical competitions, hackathons and technology challenges.
- Strengthen advanced technical learning.
- Encourage practical application of classroom concepts.
- Promote continuous technical skill development from the early semesters.

Contributors: Dr. Dilip Singh Sisodiya, Mr. Tarun Jain, Ms. Payal Raisinghani, Ms. Sonali Sharma.

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Project-Based and Experiential Learning

The Committee recommended increasing opportunities for students to apply theoretical knowledge to practical problems.

Recommendations

- Increase project-based learning.
- Introduce real-world problem statements.
- Encourage industry-based projects.
- Promote multidisciplinary projects.
- Strengthen laboratory and practical learning.
- Encourage project-based assessment.
- Develop projects addressing local, industrial and societal problems.
- Encourage students to convert innovative project ideas into prototypes and solutions.

Contributors: Dr. Dilip Singh Sisodiya, Mr. Tarun Jain, Ms. Rita Jain, Dr. Yogesh Murthy Iyer and Dr. Sandeep Garg.

Industry–Academia Interaction

The industry members emphasized stronger and sustained interaction between the institution and industry.

Recommendations

- Increase industry expert lectures and interaction sessions.
- Strengthen industrial visits.
- Expand internship opportunities.
- Develop industry-supported projects.
- Invite industry professionals for mentoring and technical guidance.
- Encourage real-world industry problem statements for student projects.
- Strengthen interaction between students and industry professionals.
- Explore opportunities for collaborative academic and professional activities.

Contributors: Mr. Tarun Jain, Ms. Payal Raisinghani, Ms. Rita Jain, Ms. Sonali Sharma and Mr. Ashish Sarkar.

Employability and Placement Readiness

The industry and talent-acquisition experts emphasized that employability development should begin well before the final placement year.

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Recommendations

The institution should strengthen a structured employability programme covering:

Aptitude → Logical Reasoning → Programming/Technical Skills → Communication → Resume Building → Group Discussion → Mock Interviews → Professional Etiquette → Industry Assessment

Specific recommendations include:

- aptitude and reasoning training;
- coding and technical assessments;
- communication enhancement;
- resume-building sessions;
- group discussions;
- mock interviews;
- professional etiquette;
- exposure to recruitment processes;
- awareness of industry assessment methodologies;
- professional certifications; and
- placement-readiness activities from the early semesters.

The Committee recommended maintaining a Student Employability Development Roadmap for systematic monitoring.

Contributors: Ms. Payal Raisinghani, Ms. Sonali Sharma and Mr. Ashish Sarkar.

Research, Innovation and Academic Integrity

The Committee emphasized strengthening the institutional research culture and promoting ethical research practices.

Recommendations

- Strengthen research methodology among students and faculty.
- Encourage research-oriented student projects.
- Promote research publications and conference participation.
- Encourage innovation and technical competitions.
- Strengthen awareness of academic integrity.
- Promote ethical use of data and technology.
- Encourage responsible research practices.
- Explore international academic interaction and collaboration.
- Encourage students to develop innovative solutions from academic projects.

Contributor: Dr. Dilip Singh Sisodiya.

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Interdisciplinary Learning

The Committee recommended greater integration across academic disciplines.

Recommendations

- Promote multidisciplinary projects.
- Encourage students from different disciplines to work together.
- Integrate engineering applications with fundamental sciences.
- Encourage technical and management components in appropriate projects.
- Promote interdisciplinary technical activities.
- Share effective academic practices across departments.

Contributors: Dr. Yogesh Murthy Iyer, Dr. Sandeep Garg and Dr. Anjna Dubey.

Laboratory and Practical Learning

The Committee emphasized that laboratory learning should complement theoretical instruction.

Recommendations

- Ensure optimum utilization of laboratories.
- Review laboratory requirements periodically.
- Upgrade equipment and software as required.
- Increase practical demonstrations.
- Introduce industry-oriented experiments.
- Encourage hands-on learning.
- Strengthen laboratory-based projects.
- Integrate practical applications with contemporary technologies.

Contributors: Dr. Jitendra Agrawal, Dr. Dilip Singh Sisodiya, Dr. Nikhat Raza Khan and Dr. Sandeep Garg.

Faculty Development and Academic Coordination

The Committee recommended continuous faculty development and stronger academic coordination.

Recommendations

- Encourage faculty participation in FDPs, workshops, seminars and conferences.
- Promote faculty certification in emerging technologies.
- Encourage research and professional development.
- Strengthen coordination among faculty teaching common courses.
- Ensure uniform academic standards.

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- Share effective teaching-learning practices among departments.
- Strengthen academic monitoring through the Academic Staff Cell.

Contributors: Dr. K.K. Dwivedi, Dr. Nikhat Raza Khan, Dr. Yogesh Murthy Iyer and Dr. Sandeep Garg.

Mentoring and Student Development

The Committee emphasized strengthening the mentoring system as an important mechanism for holistic student development.

Recommendations

- Regular mentor-mentee meetings.
- Monitoring of attendance and academic performance.
- Early identification of students requiring support.
- Academic and career counselling.
- Parent interaction wherever necessary.
- Support for slow learners.
- Enrichment opportunities for advanced learners.
- Guidance regarding internships, certifications, competitions and career development.

Contributors: Dr. K.K. Dwivedi , Dr. Urmila Mahor and Dr. Nikhat Raza Khan.

Sustainability and Real-World Applications

The Committee recommended connecting academic learning with real-world engineering and societal requirements.

Recommendations

- Encourage projects addressing real-world problems.
- Integrate sustainability considerations wherever appropriate.
- Promote application-oriented engineering education.
- Encourage students to develop solutions to local and societal challenges.
- Include sustainability and social relevance in appropriate project activities.

Contributor: Dr. Yogesh Murthy Iyer.

After detailed deliberations, the Committee collectively recommended that Oriental College of Technology should focus on the following major priorities:

1. Strengthening Outcome Based Education and attainment-based improvement.
2. Continuous curriculum-gap analysis based on stakeholder and industry inputs.
3. Enhancing technical, practical and problem-solving competencies.

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4. Strengthening industry interaction, internships and industry-based projects.
5. Implementing a structured employability-development programme from early semesters.
6. Strengthening mentoring, remedial teaching and advanced learner support.
7. Promoting research, innovation, entrepreneurship and academic integrity.
8. Increasing interdisciplinary and experiential learning.
9. Progressive modernization of laboratories and digital learning resources.
10. Strengthening faculty professional development and academic coordination.
11. Using student, alumni and employer feedback systematically for improvement.
12. Maintaining documented evidence of recommendations, implementation and outcomes.

17/1/2

Dr. K.K.Dwivedi

Director

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