# **Action Taken Report**

### Programme UG Mathematics

### Year of Revision 2016

# I &II Syllabus and Curriculum

Alumni	To design the syllabi in such a manner that students should get deep and wide knowledge of the subjects.
	<ul> <li>So many subjects in each course can be avoided.</li> <li>Practical dissemination between school and college curriculum at the UG level.</li> </ul>
	<ul> <li>Identify the courses that impart and improve the mathematical.</li> <li>aptitude of students to enable them to get employability at UG level.</li> </ul>
Parents	<ul> <li>To incorporate certain courses in the curriculum to inculcate social and ethical values in their life.</li> </ul>
	<ul> <li>Students must be prepared to acquire soft skills to face the outside world courageously.</li> </ul>
	Holistic growth of the students must be prioritized.
Faculty	<ul> <li>Curriculum has a strong base for higher studies and employability.</li> <li>Student-Teacher relationship is very good.</li> </ul>
	<ul> <li>To update the syllabi to suit the modern day needs of the students* learning.</li> </ul>
Industrial Experts	<ul> <li>To tie up with the industries so that students must be exposed to real time projects.</li> </ul>
	<ul> <li>To hire industry people to teach the relevant courses which have more employability.</li> </ul>
Employers	The state of the s
	<ul> <li>Inculcating problem solving techniques in the mind of students.</li> </ul>
Action Taken	<ul> <li>Courses on spoken and written English with the help of English department are conducted.</li> </ul>
	<ul> <li>Quiz is conducted at various levels to improve their mathematical aptitude.</li> </ul>
	<ul> <li>Counseling for academically less focused students and slow learners is effectively done.</li> </ul>
	<ul> <li>Placement cell is offering many training sessions to improve their employability skills.</li> </ul>
	<ul> <li>Remedial classes are conducted for less focused and slow learners.</li> </ul>
	<ul> <li>Students develop social and moral values through the OUTREACH program.</li> </ul>
	Students attend Industry Institution Interaction program in their thirtyear.

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Alumni	<ul> <li>A lacuna in bridging higher secondary</li> </ul>
Addinin	and graduation level education.  • An extensive bridge course for all I UG students is needed
Parents	Encourage students to bold enough to present their opinions in every aspects
Faculty	Stimulates thinking to open discussion     One idea can spark off their other ideas     Develops analytic and logical skills to solve problem.     Interpersonal relationship between staff and students, elevates teaching     Opportunities to explore difficult and complex issues
Industrial Experts	Students should be more professional     Chance to reflect on experience should be given.
Employers	Increased learning and innovation skills are being recognized
Action Taken	<ul> <li>Enhanced with the knowledge to master in ICT technologies</li> <li>Widened and strengthened the knowledge in preparing e-content and e-resources.</li> <li>Updated in respective subjects with the support of ICT technologies whenever necessary.</li> </ul>
IV Learning Methodologies & Lea	arning Environment
Alumni	An obstacle in exploring few papers (UG level) as the student to pursue their higher studies in other universities
Parents	Encourage systematic self-regulated learning
Faculty	Conducive student and staff ratio     Multi-dimensional approach in evolving concepts     Progression of acquainted knowledge of what they learn and how they learn     Blended learning system     Ambiance excellent of classroom atmosphere
Industrial Experts	<ul> <li>The ideal vision of learning has to be broad, deep, fast, precise and practically relevant</li> <li>Identify professional development opportunities.</li> </ul>
Employers	<ul> <li>creativity, critical thinking,</li> </ul>



	communication and collaboration and are considered essential to prepare learners for the future.
Action Taken	a time-tested method to identify every young student's creative ability and their contributions.     Encouraged different ideas that give them the freedom to explore     Given time for brainstorming sessions in classrooms     Set a great platform for students to voice their thoughts without having to worry about right or wrong.     Efforts taken to make them what to learn
V Evaluation	
Alumni	Conceptual understanding only adequate     Careless mathematical errors present (for example, algebra, arithmetic); some logical steps lacking; incomplete solution/response
Parents	Teachers can ask students to paraphrase briefly the key points or essence of a discussion or lecture
Faculty	encourages and rewards effective teaching practices on the basis of student learning outcomes     enables students to identify their own strengths and weaknesses     to determine the kinds of information they need to correct in their learning deficiencies and misconceptions.     improving teaching methods and guiding and motivating students to be actively involved in their own learning     to indicate, students how successfully they have mastered the course content they are expected to assimilate     approach to emphasize and focuse on what and how students learn
Industrial Experts	Present an in-depth look at a range of career topics.     Explores the pace of change to the global employment
Employers	more to know about the job market, the more you can build career resilience.
Action Taken	The types and numbers of students they serve, and the educational traditions they represent in classroom

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teaching.

- faculty and departments are indeed promoting student learning
- Need to concentrate on conceptual understanding
- easiest way to find out whether students understand what is being said and to ask them directly

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## **Action Taken Report**

### Programme PG Mathematics

### Year of Revision 2016

## I &II Syllabus and Curriculum

Alumni	<ul> <li>Text books and reference books with lots of problems to understand the concepts clearly can be included in syllabus.</li> <li>Identify the courses which are useful for clearing competitive examinations can be added.</li> </ul>
Parents	<ul> <li>To incorporate certain courses in the curriculum to inculcate social and ethical values in their life.</li> <li>Holistic growth of the students must be prioritized.</li> <li>Training sessions for clearing NET/SET or any competitive examination can be organized.</li> </ul>
Faculty	<ul> <li>Curriculum has a strong base for higher studies and employability.</li> <li>Student-Teacher relationship is very good.</li> <li>Syllabus offered is on par with the best among the pioneering colleges in the country.</li> <li>Courses that are 'Applied' in nature and expose the students to the emerging technologies in general and Information Technology in particular are included.</li> </ul>
Industrial Experts	<ul> <li>To tie up with the industries so that students must be exposed to real time projects.</li> <li>To hire industry people to teach the relevant courses which have more employability.</li> </ul>
Employers	<ul> <li>Critical and logical thinking to be enhanced.</li> <li>Inculcating problem solving techniques in the mind of students.</li> </ul>
Action Taken	<ul> <li>Quiz is conducted at various levels to improve their mathematical aptitude.</li> <li>Counseling for academically less focused students and slow learners is effectively done.</li> <li>Placement cell is offering many training sessions to improve their employability skills.</li> <li>Students are encouraged to participate many competitions conducted in different colleges and Institutes.</li> <li>Students are motivated to Research activities by assigning individual projects.</li> <li>Students are encouraged to take seminars using ICT facilities available to improve their teaching skills</li> <li>Students develop social and moral values through the OUTREACH program they undergo</li> </ul>
	<ul> <li>Summer Internship program is organized for all the PG students to acquire the employability skills</li> </ul>

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III Teaching Methodologies	
Alumni	Well-thought-out lesson plans and opportunities for guided and independent practice of concepts are also part of effective teaching strategies.
Parents	<ul> <li>Along with the ability to explain well, teachers also require the ability to punctuate teaching sessions with questions that encourage student interaction.</li> </ul>
Faculty	<ul> <li>A qualitative approach to focus on perceptions of elementary concepts</li> <li>A major impact is created on students to understand the concepts.</li> <li>Teachers are competent in their knowledge of the subject they teach.</li> <li>Teachers with a strong grasp of the subject are in a better position to answer student queries with confidence and accuracy.</li> </ul>
Industrial Experts	Complement your academic studies by providing another way of learning outside the classroom.     Students must develop technical skills and knowledge of a degree discipline.
Employers	Value skills such as communication, team-working and problem solving must be developed.     Student 'shadows' an experienced professional.
Action Taken	A teacher audio-visual aids, computer technology, activities and games to supplement the oral explanation manages to effectively engage student attention.
IV Learning Methodologies &	Learning Environment
Alumni	A variety of learning tasks that engage students, including student discussion etc., need to occur in order that a meaningful learning takes place.      Teachers should motivate students through displaying their own enthusiasm, encouraging students and providing interesting, enjoyable and active classes      Curriculum design should ensure that aims, concepts, learning activities and assessment are consistent with achieving learning outcomes related to future student needs.
Parents	Assessment must be consistent with the desired learning outcomes and



	develop authentic tasks for the discipline or profession.
Faculty	<ul> <li>Learners must work individually.</li> <li>A particular competency or skill, through a test or some form of prior learning assessment.</li> <li>Under graduation learning be recognized, or for those learners wanting to develop specific skills but not wanting a full program of studies.</li> <li>Students will take both formative and summative exams.</li> <li>For some students, it speeds up time to complete a qualification by enabling prior learning.</li> </ul>
Industrial Experts	Focuses on immediate employer needs and is less focused on preparing learners with the flexibility needed for a more uncertain future.
Employers	It does not suit subject areas where it is difficult to prescribe specific competencies or where new skills and new knowledge need to be rapidly accommodated.
Action Taken	<ul> <li>In developing the post-graduation level, more abstract knowledge and skills requiring creativity, high-level problem-solving and decision-making and critical thinking.</li> <li>Approaches to assessment and feedback that foster independent learning.</li> <li>Support for the development of students as individuals.</li> <li>Consequently, increased interest in individual teachers and teams of teachers to engage heterogeneous students.</li> </ul>
V Evaluation	
Alumni	Students need to be actively and continuously involved in all assessment
Parents	Concerned with assessing the effectiveness of teaching, teaching strategies, methods and techniques.
Faculty	Class performance of the students need to be enhanced by the teacher.  Lead to professional growth.  To improve students 'knowledge and learning.  Learners have to analyze and interpret information.
Industrial Experts	Support for student Internships, Experiential Learning, service

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	Learning.  Professional development and Innovation around teaching and industry.  Instructional Delivery: including quality, amount, and level of classroom instruction.
Employers	The evaluation system adopted is credible and acceptable.     The students should determine their method for effective learning.
Action Taken	Provide feedback to the teachers about their teaching and the learners about their learning.     Improve the professional resources required to deliver effective instruction.     Department take responsibility for developing their own evaluation methods and evaluation criteria that can be flexible to accommodate diversity in instructional methods.

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