

## Programme : MA

### Programme Outcomes

| Programme Outcomes      |                         |                             |
|-------------------------|-------------------------|-----------------------------|
| Programme name          | Programme Code          | Programme Outcomes          |
| Master of Arts          | MA                      | •                           |
| Programme Specific Name | Programme Specific Code | Programme Specific Outcomes |
| MA in Sabdabodha        | M.A-SAB                 |                             |

**1<sup>st</sup> Semester**

| Course Code | Title of the Course                               | Course Outcomes  |
|-------------|---|--|
| MA-SAB 101  | Introduction to Paninian Grammar                  | <p>After finishing the course, the learner would be able to</p> <ul style="list-style-type: none"> <li>• Know the rich tradition of Indian Grammar</li> <li>• Know the important authors and the texts in the Grammar tradition</li> <li>• Know the different types of Ach-sandhis</li> <li>• Know and identify the various Karakas in a basic Sanskrit sentence</li> </ul>  |
| MA-SAB 102  | Introduction to Process of Sentence understanding | <p>After finishing the course, the learner would be able to</p> <ul style="list-style-type: none"> <li>• Know the process involved in the rise of Verbal Cognition</li> <li>• Know, analyze and compare the different schools of thought and the process involved in the rise of Verbal Cognition</li> <li>• Understand the various standpoints put forth on the topic <i>Vṛttib</i> by various schools of thought.</li> </ul> |
| MA-SAB 103  | Introduction to NavyaNyāya                        | <p>After finishing the course, the learner would be able to</p> <ul style="list-style-type: none"> <li>• Know and classify materials into the seven fold classification of <i>Padarthas</i></li> <li>• Know and understand the concept of <i>Lakshana</i> and do the <i>samanvaya</i> Acquire competence in the technical jargon of <i>NavyaNyāya</i> and comprehend</li> </ul>  |
| MA-SAB 104  | Object oriented programming with java             | <p>After finishing the course, the learner would be able to</p> <ul style="list-style-type: none"> <li>• Gain basic insights into the OOPs with JAVA</li> <li>• Have a clear idea about various expressions and operators used in JAVA Write small programs based on various features of JAVA , build small API</li> </ul>   |
| MA-SAB 105  | Language & Speech Processing I                    | <p>After finishing the course, the learner would be able to</p> <ul style="list-style-type: none"> <li>• Gain basic insights into the basic concepts of NLP</li> <li>• Know about Morphology /LWG / Parsing</li> <li>• Write Karaka / Vibhakti mapping charts</li> </ul>   |
| MA-SAB 106  | Software Lab-1 (NLP Tools)                        |  |

**2<sup>nd</sup> Semester**

| <b>Course Code</b> | <b>Title of the Course</b>                   | <b>Course Outcomes</b>   |
|--------------------|--|--|
| MA-SAB 201         | Introduction to Paninian Grammar & Etymology | After finishing the course, the learner would be able to <ul style="list-style-type: none"> <li>• Have a basic knowledge on feminine suffixes</li> <li>• Have a keen knowledge on the various Karakas Possess a basic idea of the Vedangasand their contribution to the Vedic Lore.</li> </ul>   |
| MA-SAB 202         | Sabdabodha prakriya parichayaha              | <ul style="list-style-type: none"> <li>• After finishing the course, the learner would be able to</li> <li>• Have a basic knowledge on the process of Sabdabodha</li> <li>• Chart out Sabdabodha diagrams for most of the sentences of Tarkasangraha</li> <li>• Apply this process of making Sabdabodha charts to other sentences in Nyaya / Vyakarana / Mimamsa philosophies</li> </ul> |
| MA-SAB 203         | Introduction to Paninian Grammar             | After finishing the course, the learner would be able to <ul style="list-style-type: none"> <li>• Have a basic knowledge on Nominal Declensions</li> <li>• Able to know the declension process for masculine vowel-ending words</li> <li>• Able to know the declension process for feminine and neuter gender vowel-ending words.</li> </ul>   |
| MA-SAB 204         | Nlp with python                              | After finishing the course, the learner would be able to <ul style="list-style-type: none"> <li>• Know the fundamentals of Text processing using Python</li> <li>• Know, distinguish and use various types of expressions and control statements basing on the given task</li> <li>• Understand various types of tagging</li> </ul>  |
| MA-SAB 205         | Language & Speech Processing II              | After finishing the course, the learner would be able to <ul style="list-style-type: none"> <li>• Gain basic insights into the basic concepts of NLP</li> <li>• Know about Morphology /Finite State Automata</li> <li>• Various procedures involved in Text and Speech Processing</li> </ul>   |
| MA-SAB 206         | Software Lab - (NLP & Python)                |  |

**3<sup>rd</sup> Semester**

| Course Code | Title of the Course                                   | Course Outcomes   |
|-------------|---|---|
| MA-SAB 301  | Detailed Study of Samasas                             | After finishing the course, the learner would be able to <ul style="list-style-type: none"><li>● Identify the different types of Samasas</li><li>● Gain knowledge of Samasa-saktivada, wherein ideas of different schools of thought on Samasasakti are discussed</li></ul>   |
| MA-SAB 302  | Introduction to Verbal suffixes                       | After finishing the course, the learner would be able to <ul style="list-style-type: none"><li>● Gain a thorough insight into verbal conjugations</li><li>● Possess a sound knowledge on the most commonly used suffixes</li><li>● Know what a dhatu means and the various discussions related to its meaning</li></ul>   |
| MA-SAB 303  | Language and Linguistics                              | After finishing the course, the learner would be able to <ul style="list-style-type: none"><li>● Gain basic knowledge in Linguistics</li><li>● Know about the origin and classification of languages</li><li>● Know about the place of Sanskrit in the classification of languages</li><li>● Gain thorough understanding about the various phonetic changes occurring in Sanskrit</li></ul> |
| MA-SAB 304  | Corpus Linguistics                                    | After finishing the course, the learner would be able to <ul style="list-style-type: none"><li>● Gain basic knowledge in Corpus Linguistics</li><li>● Learn about the usual problems while working in the domain of Corpus Linguistics</li></ul>  |
| MA-SAB 305  | Language & Speech processing -III                     | After finishing the course, the learner would be able to <ul style="list-style-type: none"><li>● Know and understand the concepts of Morphology, POS tags etc thoroughly</li><li>● Get a clear picture of Semantics and Pragmatics and their use in the field of NLP</li></ul>  |
| MA-SAB 306  | Software Lab - Natural Language Processing– Resources |   |

## 4<sup>th</sup> Semester

| Course Code | Title of the Course         | Course Outcomes  |
|-------------|-----------------------------|--|
| MA-SAB 401  | Sabdabodha Text – I         | <p>After finishing the course, the learner would be able to</p> <ul style="list-style-type: none"> <li>● Gain proper exposure into the process of Verbal Cognition</li> <li>● Know about the various levels in the process of Verbal Cognition and the various contributing factors Know about the cause-effect theory between Akamsha and Sabdabodha as per</li> </ul>  |
| MA-SAB 402  | Computer Programming – PERL | <p>After finishing the course, the learner would be able to</p> <ul style="list-style-type: none"> <li>● Gain sufficient command on PERL</li> <li>● Write programs using conditional / relational operators and commands</li> <li>● Perform File Handling tasks with ease</li> </ul>   |
| MA-SAB 403  | Sabdabodha Text – II        | <p>After finishing the course, the learner would be able to</p> <ul style="list-style-type: none"> <li>● Know about importance of Sabdapramana</li> <li>● Distinguish between the different definitions of various schools of thought</li> <li>● Have a clear picture of important concepts of Verbal Cognition like <i>Abhihitavaya and Anvitaabhidaana</i></li> <li>● Comprehend the definitions of secondary factors of Sabdabodha according to different philosophies</li> </ul> |
| MA-SAB 404  | Major Project Work          |  |