

## FACULTY OF COMPUTER APPLICATIONS

### TEACHING AND EXAMINATION SCHEME

| Programme                    | BACHLOR OF SCIENCE IN INFORMATION TECHNOLOGY (INFRASTRUCTURE MANAGEMENT SERVICES) – BSC-IT (IMS) | Branch/Spec.    | Computer Applications |                                     |                 |    |       |                  |    |       |                 |    |       |                            |     |       |           |     |       |
|------------------------------|--|-----------------|-----------------------|-------------------------------------|-----------------|----|-------|------------------|----|-------|-----------------|----|-------|----------------------------|-----|-------|-----------|-----|-------|
| Semester                     | VI   |                 |                       |                                     |                 |    |       |                  |    |       |                 |    |       |                            |     |       |           |     |       |
| Effective from Academic Year | 2019-20  |                 |                       | Effective for the batch Admitted in |                 |    |       |                  |    |       |                 |    |       | June 2018                  |     |       |           |     |       |
| Subject Code                 | Subject Name   | Teaching scheme |                       |                                     |                 |    |       |                  |    |       |                 |    |       | Examination scheme (Marks) |     |       |           |     |       |
|                              |  | Credit          |                       |                                     |                 |    |       | Hours (per week) |    |       |                 |    |       | Theory                     |     |       | Practical |     |       |
|                              |  | Lecture(DT)     |                       |                                     | Practical(Lab.) |    |       | Lecture(DT)      |    |       | Practical(Lab.) |    |       | CE                         | SEE | Total | CE        | SEE | Total |
|                              |  | L               | TU                    | Total                               | P               | TW | Total | L                | TU | Total | P               | TW | Total |                            |     |       |           |     |       |
| U46A1IP3                     | Industrial Project - III   | -               | -                     | -                                   | 24              | -  | 24    | -                | -  | -     | 48              | -  | 48    | -                          | -   | -     | 450       | 300 | 750   |
| <b>Total</b>                 |  | -               | -                     | -                                   | 24              | -  | 24    | -                | 0  | 0     | 48              | -  | 48    | -                          | -   | -     | 450       | 300 | 750   |



# GANPAT UNIVERSITY

## FACULTY OF COMPUTER APPLICATIONS

|  |   |    |                 |    |                                     |                       |     |       |     |
|--|---|----|-----------------|----|-------------------------------------|-----------------------|-----|-------|-----|
| Programme  | BACHLOR OF SCIENCE IN INFORMATION TECHNOLOGY (INFRASTRUCTURE MANAGEMENT SERVICES) – BSC-IT (IMS)  |    |                 |    | Branch/Spec.                        | Computer Applications |     |       |     |
| Semester   | VI  |    |                 |    | Version                             | 1.0.0.0               |     |       |     |
| Effective from Academic Year   | 2019-20   |    |                 |    | Effective for the batch Admitted in | June 2018             |     |       |     |
| Subject code   | U46A1IP3  |    | Subject Name    |    | INDUSTRIAL PROJECT –III             |                       |     |       |     |
| Teaching scheme  |   |    |                 |    | Examination scheme (Marks)          |                       |     |       |     |
| (Per week)   | Lecture(DT)   |    | Practical(Lab.) |    | Total                               | CE                    | SEE | Total |     |
|  | L   | TU | P               | TW |                                     |                       |     |       |     |
| Credit   | -   | -  | 24              |    | 24                                  | Theory                | -   | -     | -   |
| Hours  | -   | -  | 48              |    | 48                                  | Practical             | 450 | 300   | 750 |
| Pre-requisites:  |   |    |                 |    |                                     |                       |     |       |     |
| Software Development Models and concepts, OOPs, Basic DBMS concepts, knowledge of software development life cycle, Testling. Microsoft server, CISCO, Linux, Virtulization, Firewall, Kali linux, etc  |   |    |                 |    |                                     |                       |     |       |     |
| Learning Outcome:  |   |    |                 |    |                                     |                       |     |       |     |
| <ul style="list-style-type: none"> <li>• Understanding of how system is analysed and implemented using standard techniques.</li> <li>• Design and Implementation of proposed system</li> <li>• Testing the system</li> <li>• Deployment of the system</li> </ul> |   |    |                 |    |                                     |                       |     |       |     |
| Theory syllabus  |   |    |                 |    |                                     |                       |     |       |     |
| Unit   | Content   |    |                 |    |                                     |                       |     |       | Hrs |
| 1  | <p>Rules:<br/>Students are required to develop entire new software system or to enhance/modify functionalities of existing software or to provide customization based on existing technology/framework to fulfil specific requirements.</p> <p>The duration of the project is In-house semester. Students can develop their project individually or in a group of not more than 2 students. Group size can be increased with prior approval of head of institution.</p> <p>The passing standard is 60% in internal and external examination jointly.</p> <p>The detail study of any enterprise application or any major IT infrastructure setup can also be accepted as a project work. The project can be developed in any language or platform but it is required to get approved by the head of the institution. For the purpose of approval, Students have to submit their project titles and proposals with the name of internal and external guides to the Head of Institution In case, if the student proposal is rejected, the revised proposal in the same or other area is required to submit and get it sanctioned. Failing to do this, his/her term</p> |    |                 |    |                                     |                       |     |       | 48  |

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|--|--|--|
|  | <p>will not be granted.</p> <p>The students have to report to the internal guide for at least 4 times during the project life span. Students are required to submit their presentation in soft copy as per format to assigned internal guide at least before 4 days of internal presentation schedule.</p> <p>The external examiners appointed by the University will give the external marks on the basis of the heads like Presentation, Demonstration, Viva Voce, and Documentation etc. The distribution of marks to different heads may be decided at the time of evaluation of the project but it is expected to have the same distribution.</p> <p>The Internal Guide or Head of the Institution will give the internal marks. These marks may be given on the bases of regular reporting of the student to the internal guide.</p> <p><b>The scope of work in such project are nor limited in this specified area and can be under taken in the areas like</b> Software Development Models and concepts, OOPs, Basic DBMS concepts, knowledge of software development life cycle, Testling. Microsoft server, CISCO, Linux, Virtulization, Firewall, Kali linux, etc. Project committee may approve such project by looking at the potential scope of work</p> |  |
| Practical content  |  |  |
| List of programs on the above mentioned topics as per decided by subject faculty |  |  |
| Text Books   |  |  |
| 1  | Systems Analysis and Design, by <u>Brijendra Singh</u> , Publisher: New Age International Private Limited; First edition (1 January 2016)  |  |
| Reference Books  |  |  |
| 1  | UML Modelling for Business Analysts: With Illustrated Examples (BusinessAnalystSeries Book 102)  |  |
| 2  | Fundamentals of Object-Oriented Design in UML, by PAGE-JONES. Publisher: Pearson Education; 1 edition  |  |
| 3  | Build iOS Database Apps with Swift and SQLite, by Kevin Languedoc, Apress; 1st ed. edition   |  |