3rd to 8th Semester BE

Artificial Intelligence and Machine Learning



Scheme of Teaching and Examinations

Outcome Based Education (OBE) and Choice Based Credit System (CBCS) (Effective from the academic year 2018 – 19)

Scheme of Teaching and Examination 2018 - 19

Outcome Based Education (OBE) and Choice Based Credit System (CBCS) (Effective from the academic year 2018 – 19)

| III S | SEMESTE | R | | | | | | | | | | |
|-----------|---------|----------------------|--|------------------------|--|-----------|-----------------------|----------------------|-----------|-----------|-------------|---------|
| | | | | | Teaching | g Hours / | Week | | Exam | ination | | |
| Sl. No | | urse and rse Code | Course Title | Teaching Department | Theory Lecture | Tutorial | Practical/ Drawing | Duration in hours | CIE Marks | SEE Marks | Total Marks | Credits |
| | | | | | L | T | P | I | | 92 | I | |
| 1 | BSC | 18MAT31 | Transform Calculus, Fourier Series And Numerical Techniques | Mathematics | 2 | 2 | | 03 | 40 | 60 | 100 | 3 |
| 2 | PCC | 18CS32 | Data Structures and Applications | CS / IS | 3 | 2 | | 03 | 40 | 60 | 100 | 4 |
| 3 | PCC | 18CS33 | Analog and Digital Electronics | CS / IS | 3 | 0 | | 03 | 40 | 60 | 100 | 3 |
| 4 | PCC | 18CS34 | Computer Organization | CS / IS | 3 | 0 | | 03 | 40 | 60 | 100 | 3 |
| 5 | PCC | 18CS35 | Software Engineering | CS / IS | 3 | 0 | | 03 | 40 | 60 | 100 | 3 |
| 6 | PCC | 18CS36 | Discrete Mathematical Structures | CS / IS | 3 | 0 | | 03 | 40 | 60 | 100 | 3 |
| 7 | PCC | 18CSL37 | Analog and Digital Electronics Laboratory | CS / IS | | 2 | 2 | 03 | 40 | 60 | 100 | 2 |
| 8 | PCC | 18CSL38 | Data Structures Laboratory | CS / IS | | 2 | 2 | 03 | 40 | 60 | 100 | 2 |
| | | 18KVK39 | Vyavaharika Kannada (Kannada for communication)/ | | | 2 | | | 100 | | | |
| | | 18KAK39 | Aadalitha Kannada (Kannada for Administration) | | | | | | | | | |
| 9 | HSMC | OR | OR | HSMC | | | | | | | 100 | 1 |
| | | 18CPH39 | Constitution of India, Professional | | 1 | | | 02 | 40 | 60 | | |
| | | | Ethics and Cyber Law | | Examination is by objective type questions | | | | | | | |
| | | | | | 17 | 10 | | 24 | 420 | 480 | | |
| | | | | TOTAL | OR | OR | 04 | OR | OR | OR | 900 | 24 |
| | | | | | 18 | 08 | | 27 | 360 | 540 | | |
| | | | | | | | | | | | | |

Note: BSC: Basic Science, PCC: Professional Core, HSMC: Humanity and Social Science, NCMC: Non-credit mandatory course

18KVK39 Vyavaharika Kannada (Kannada for communication) is for non-Kannada speaking, reading and writing students and **18KAK39** Aadalitha Kannada (Kannada for Administration) is for students who speak, read and write Kannada.

Course prescribed to lateral entry Diploma holders admitted to III semester of Engineering programs 10 NCMC 18MATDIP31 Additional Mathematics - I Mathematics 02 01 -- 03 40 60 100 0

(a)The mandatory non – credit courses Additional Mathematics I and II prescribed for III and IV semesters respectively, to the lateral entry Diploma holders admitted to III semester of BE/B.Tech programs, shall attend the classes during the respective semesters to complete all the formalities of the course and appear for the University examination. In case, any student fails to register for the said course/ fails to secure the minimum 40 % of the prescribed CIE marks, he/she shall be deemed to have secured F grade. In such a case, the student have to fulfil the requirements during subsequent semester/s to appear for SEE.

(b) These Courses shall not be considered for vertical progression, but completion of the courses shall be mandatory for the award of degree

Courses prescribed to lateral entry B. Sc degree holders admitted to III semester of Engineering programs

Lateral entrant students from B.Sc. Stream, shall clear the non-credit courses Engineering Graphics and Elements of Civil Engineering and Mechanics of the First Year Engineering Programme. These Courses shall not be considered for vertical progression, but completion of the courses shall be mandatory for the award of degree.

AICTE Activity Points to be earned by students admitted to BE/B.Tech/B. Plan day college programme (For more details refer to Chapter 6,AICTE Activity Point Programme, Model Internship Guidelines): Over and above the academic grades, every Day College regular student admitted to the 4 years Degree programme and every student entering 4 years Degree programme through lateral entry, shall earn 100 and 75 Activity Points respectively for the award of degree through AICTE Activity Point Programme. Students transferred from other Universities to fifth semester are required to earn 50 Activity Points from the year of entry to VTU. The Activity Points earned shall be reflected on the student's eighth semester Grade Card. The activities can be can be spread over the years, anytime during the semester weekends and holidays, as per the liking and convenience of the student from the year of entry to the programme. However, minimum hours' requirement should be fulfilled. Activity Points (non-credit) have no effect on SGPA/CGPA and shall not be considered for vertical progression. In case students fail to earn the prescribed activity Points, Eighth semester Grade Card shall be issued only after earning the required activity Points. Students shall be admitted for the award of degree only after the release of the Eighth semester Grade Card.

Scheme of Teaching and Examination 2018 – 19

Outcome Based Education (OBE) and Choice Based Credit System (CBCS) (Effective from the academic year 2018 – 19)

IV SEMESTER

NCMC

18MATDIP41

| | | | | | Teachin | g Hours | /Week | | Examination | | | |
|-----------|-------------|-----------------|---|------------------------|---------------------|----------|------------------------|----------------------|-------------|--------------|-------------|---------|
| Sl. No | | rse and | Course Title | Teaching Department | Theory T Lecture | Tutorial | - Fractical/ - Drawing | Duration in hours | CIE Marks | SEE Marks | Total Marks | Credits |
| 1 | BSC | 18MAT41 | Complex Analysis, Probability And Statistical Methods | Mathematics | 2 | 2 | | 03 | 40 | 60 | 100 | 3 |
| 2 | PCC | 18CS42 | Design and Analysis of Algorithms | CS / IS | 3 | 2 | | 03 | 40 | 60 | 100 | 4 |
| 3 | PCC | 18CS43 | Operating Systems | CS / IS | 3 | 0 | | 03 | 40 | 60 | 100 | 3 |
| 4 | PCC | 18SC44 | Microcontroller and Embedded Systems | CS / IS | 3 | 0 | | 03 | 40 | 60 | 100 | 3 |
| 5 | PCC | 18CS45 | Object Oriented Concepts | CS / IS | 3 | 0 | | 03 | 40 | 60 | 100 | 3 |
| 6 | PCC | 18CS46 | Data Communication | CS / IS | 3 | 0 | | 03 | 40 | 60 | 100 | 3 |
| 7 | PCC | 18CSL47 | Design and Analysis of Algorithm Laboratory | CS / IS | | 2 | 2 | 03 | 40 | 60 | 100 | 2 |
| 8 | PCC | 18CSL48 | Microcontroller and Embedded Systems Laboratory | CS / IS | | 2 | 2 | 03 | 40 | 60 | 100 | 2 |
| | | 18KVK49 | Vyavaharika Kannada (Kannada for communication)/ Aadalitha Kannada (Kannada for | | | 2 | | | 100 | | | |
| | HOMO | 10KAK49 | Administration) | HCMC | | | | | | | 100 | 1 |
| 9 | HSMC | OR | OR | HSMC | | 1 | | | l | <u>l</u> | 100 | 1 |
| | | 18CPH49 | Constitution of India, Professional | | 1 | | | 02 | 40 | 60 | | |
| | | | Ethics and Cyber Law | | | | s by obj | ective ty | | | | |
| | | | | | 17 | 10 | | 24 | 420 | 480 | | |
| | | | | TOTAL | OR | OR | 04 | OR | OR | OR | 900 | 24 |
| | | | | | 18 | 08 | | 27 | 360 | 540 | | |
| Note | e: BSC: Bas | sic Science, PC | CC: Professional Core, HSMC: Human | ity and Social Scie | nce, NCN | ИС: Non | -credit n | nandatoi | ry course |) | | |
| | | | ada (Kannada for communication) is fo | | | eading a | nd writin | g studer | nts and 1 | 8KAK4 | 9 Aadal | itha |
| Kanı | nada (Kann | ada for Admin | istration) is for students who speak, rea | ad and write Kanns | ada | | | | | | | |

(a)The mandatory non – credit courses Additional Mathematics I and II prescribed for III and IV semesters respectively, to the lateral entry Diploma holders admitted to III semester of BE/B.Tech programs, shall attend the classes during the respective semesters to complete all the formalities of the course and appear for the University examination. In case, any student fails to register for the said course/ fails to secure the minimum 40 % of the prescribed CIE marks, he/she shall be deemed to have secured F grade. In such a case, the student have to fulfil the requirements during subsequent semester/s to appear for SEE.

Mathematics

02

01

03

40

60

100

0

(b) These Courses shall not be considered for vertical progression, but completion of the courses shall be mandatory for the award of degree

Additional Mathematics - II

Courses prescribed to lateral entry B. Sc degree holders admitted to III semester of Engineering programs

Lateral entrant students from B.Sc. Stream, shall clear the non-credit courses Engineering Graphics and Elements of Civil Engineering and Mechanics of the First Year Engineering Programme. These Courses shall not be considered for vertical progression, but completion of the courses shall be

mandatory for the award of degree.

AICTE activity Points: In case students fail to earn the prescribed activity Points, Eighth semester Grade Card shall be issued only after earning the required activity Points. Students shall be admitted for the award of degree only after the release of the Eighth semester Grade Card.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI Scheme of Teaching and Examination 2018 – 19 Outcome Based Education (OBE) and Choice Based Credit System (CBCS) (Effective from the academic year 2018 – 19)

V SEMESTER

| | Con | rse and | | | | Teaching Hours /Week | | | Exami | ination | | |
|-----------|------|---------|--|--|----------------|-------------------------|--------------------|----------------------|-----------|-----------|-------------|---------|
| Sl. No | | rse and | Course Title | Teaching | Theory Lecture | Tutorial | Practical/ Drawing | Duration in hours | CIE Marks | SEE Marks | Total Marks | Credits |
| 1 | HSMC | 18CS51 | Management and Entrepreneurship for IT Industry | HSMC | 2 | 2 | ı | 03 | 40 | 60 | 100 | 3 |
| 2 | PCC | 18AM52 | Automata Languages and Artificial Intelligence | AM | 3 | 2 | | 03 | 40 | 60 | 100 | 4 |
| 3 | PCC | 18AM53 | Sensors and Sensor Applications | AM | 3 | 2 | | 03 | 40 | 60 | 100 | 4 |
| 4 | PCC | 18AM54 | Machine Learning with Python | AM | 3 | | | 03 | 40 | 60 | 100 | 3 |
| 5 | PCC | 18AM55 | Computer Graphics and Image Processing | AM | 3 | | | 03 | 40 | 60 | 100 | 3 |
| 6 | PCC | 18AM56 | Database Management Systems | AM | 3 | | | 03 | 40 | 60 | 100 | 3 |
| 7 | PCC | 18AML57 | AI and Machine Learning with Python Laboratory | AM | | 2 | 2 | 03 | 40 | 60 | 100 | 2 |
| 8 | PCC | 18AML58 | Database Laboratory | AM | | 2 | 2 | 03 | 40 | 60 | 100 | 2 |
| 9 | HSMC | 18CIV59 | Environmental Studies | Civil/ Environmental [Paper setting: Civil Engineering Board] | 1 | | | 02 | 40 | 60 | 100 | 1 |
| | | | | TOTAL | 18 | 10 | 4 | 26 | 360 | 540 | 900 | 25 |

Note: PCC: Professional Core, HSMC: Humanity and Social Science.

AICTE activity Points: In case students fail to earn the prescribed activity Points, Eighth semester Grade Card shall be issued only after earning the required activity Points. Students shall be admitted for the award of degree only after the release of the Eighth semester Grade Card.

Scheme of Teaching and Examination 2018 - 19

Outcome Based Education (OBE) and Choice Based Credit System (CBCS) (Effective from the academic year 2018-19)

VI SEMESTER

18AM651

| | | | | | Teachi | ng Hours | s/Week | | Exami | ination | | |
|-----------|-----|-----------|---|--|-------------------|----------|-----------------------|----------------------|-----------|-----------|-------------|---------|
| Sl. No | | ourse and | Course Title | Teaching Department | Theory Lecture | Tutorial | Practical/ Drawing | Duration in hours | CIE Marks | SEE Marks | Total Marks | Credits |
| 1 | PCC | 18AM61 | Advanced AI and ML techniques | AM | 3 | 2 | | 03 | 40 | 60 | 100 | 4 |
| 2 | PCC | 18AM62 | Advanced Image Processing with Virtual Reality | AM | 3 | 2 | | 03 | 40 | 60 | 100 | 4 |
| 3 | PCC | 18AM63 | Web applications using Machine Learning Techniques | AM | 3 | 2 | | 03 | 40 | 60 | 100 | 4 |
| 4 | PEC | 18AM64X | Professional Elective -1 | AM | 3 | | | 03 | 40 | 60 | 100 | 3 |
| 5 | OEC | 18AM65X | Open Elective –A | AM | 3 | | | 03 | 40 | 60 | 100 | 3 |
| 6 | PCC | 18AML66 | Natural Language and Image Processing Laboratory | AM | | 2 | 2 | 03 | 40 | 60 | 100 | 2 |
| 7 | PCC | 18AML67 | Web applications Laboratory | AM | | 2 | 2 | 03 | 40 | 60 | 100 | 2 |
| 8 | MP | 18AM68 | Mini Project | AM | | | 2 | 03 | 40 | 60 | 100 | 2 |
| 9 | INT | | Internship | (To be carried out during the intervening vacations of VI and VII semesters) | | | | -1 | | | | |
| | | | | TOTAL | 15 | 10 | 6 | 24 | 320 | 480 | 800 | 24 |

Note: PCC: Professional core, PEC: Professional Elective, OE: Open Elective, MP: Mini-project, INT: Internship.

Introduction to Artificial Intelligence

Professional Elective -1

| Course code | Course Title |
|--------------|--|
| under18XX64X | |
| 18AM641 | Advanced Computer Graphics with Virtual Reality |
| 18AM642 | Soft and Evolutionary Computing |
| 18AM643 | Decision Support System |
| 18AM644 | Cryptography and Network Security |
| 18AM645 | Data Mining and Warehousing |
| | Open Elective –A (18CS65x are not to be opted by CSE / ISE /AIML Programs) |

| 18AM652 | Introduction to Soft Computing |
|---------|--------------------------------|
| 18AM653 | Introduction to Web Technology |

Students can select any one of the open electives offered by any Department(Please refer to the list of open electives under 18CS65X).

Selection of an open elective is not allowed provided,

- The candidate has studied the same course during the previous semesters of the programme.
- The syllabus content of open elective is similar to that of Departmental core courses or professional electives.
- A similar course, under any category, is prescribed in the higher semesters of the programme.

Registration to electives shall be documented under the guidance of Programme Coordinator/ Adviser/Mentor.

Mini-project work: Based on the ability/abilities of the student/s and recommendations of the mentor, a single discipline or a multidisciplinary Mini-project can be assigned to an individual student or to a group having not more than 4 students.

CIE procedure for Mini-project:

- (i) Single discipline: The CIE marks shall be awarded by a committee consisting of the Head of the concerned Department and two senior faculty members of the Department, one of whom shall be the Guide. The CIE marks awarded for the Mini-project work, shall be based on the evaluation of project report, project presentation skill and question and answer session in the ratio 50:25:25. The marks awarded for the project report shall be the same for all the batch mates.
- (ii) Interdisciplinary: Continuous Internal Evaluation shall be group wise at the college level with the participation of all the guides of the college. The CIE marks awarded for the Mini-project, shall be based on the evaluation of project report, project presentation skill and question and answer session in the ratio 50:25:25. The marks awarded for the project report shall be the same for all the batch mates.

SEE for Mini-project:

- (i) Single discipline: Contribution to the Mini-project and the performance of each group member shall be assessed individually in the semester end examination (SEE) conducted at the department.
- (ii) Interdisciplinary: Contribution to the Mini-project and the performance of each group member shall be assessed individually in semester end examination (SEE) conducted separately at the departments to which the student/s belong to.

Internship: All the students admitted to III year of BE/B. Tech shall have to undergo mandatory internship of 4 weeks during the vacation of VI and VII semesters and /or VII and VIII semesters. A University examination shall be conducted during VIII semester and the prescribed credit shall be included in VIII semester. Internship shall be considered as a head of passing and shall be considered for the award of degree. Those, who do not takeup/complete the internship shall be declared fail and shall have to complete during subsequent University examination after satisfying the internship requirements

AICTE activity Points: In case students fail to earn the prescribed activity Points, Eighth semester Grade Card shall be issued only after earning the required activity Points. Students shall be admitted for the award of degree only after the release of the Eighth semester Grade Card.

Scheme of Teaching and Examination 2018 - 19

Outcome Based Education (OBE) and Choice Based Credit System (CBCS) (Effective from the academic year 2018-19)

| VII | SEMESTER | | | | | | | | | | | | |
|---------------------------|----------------------|---------------------|--|---------|------------------------|----------------------------|------------|-----------------------|-------------------|-----------|-----------|-------------|---------|
| | | | | | | Teachi | ng Hours | s/Week | | Exam | ination | | |
| Sl. No | | rse and rse code | Course Title | | Teaching Department | T Theory Lecture | T Tutorial | Practical/ Drawing | Duration in hours | CIE Marks | SEE Marks | Total Marks | Credits |
| 1 | PCC | 18AM71 | Robotic Process Automation | | AM | 4 | | | 03 | 40 | 60 | 100 | 4 |
| 2 | PCC | 18AM72 | Internet of Things with Machi Learning | ine | AM | 4 | | | 03 | 40 | 60 | 100 | 4 |
| 3 | PEC | 18AM73X | Professional Elective – 2 | | AM | 3 | | | 03 | 40 | 60 | 100 | 3 |
| 4 | PEC | 18AM74X | Professional Elective – 3 | | AM | 3 | | | 03 | 40 | 60 | 100 | 3 |
| 5 | OEC | 18AM75X | Open Elective –B | | AM | 3 | | | 03 | 40 | 60 | 100 | 3 |
| 6 | PCC | 18AML76 | Mobile Application developm & Robotics automation Labor | | AM | | | 2 | 03 | 40 | 60 | 100 | 1 |
| 7 | Project | 18AMP77 | Internet of Things Laboratory | | AM | | | 2 | | 100 | | 100 | 2 |
| 8 | INT | | Internship | | | mpleted du ut during th | | | | | | | be |
| | | | | | TOTAL | 17 | | 4 | 18 | 340 | 360 | 700 | 20 |
| Note | PCC: Profes | sional core, Pl | EC: Professional Elective, OE | С: Оре | n Elective | , INT: Inte | ernship. | | | | | | |
| | | | Pre | ofessio | nal Electiv | e - 2 | | | | | | | |
| | se code r 18CS73X | Course Titl | e | | | | | | | | | | |
| 18AM731 Speech Processing | | | | 18AM | 734 E | Biometrics S | System | | | | | | |
| 18AN | 1732 | Business Ar | alytics | 18AM | 735 N | Mobile App | lication | Developm | ent | | | | |
| 18AN | 4 733 | Cognitive S | ystem | | | | | | | | | | |

| | | Professional Ele | ctives – 3 | |
|------------------------------|---------------------------------------|---------------------|------------------------------------|--|
| Course code under 18CS74X | Course Title | | | |
| 18AM741 | Pervasive Computing | 18AM744 | Cloud Computing and Virtualization | |
| 18AM742 | Human Computer Interaction | 18AM745 | | |
| 18AM743 | Knowledge and Data Engineering | | | |
| | Open Elective –B (18CS7. | 5x are not to be op | tted by CSE / ISE / AIML Programs) | |
| 18AM751 | Introduction to Business Intelligence | | | |
| 18AM752 | Introduction to Cloud Computing | | | |
| 18AM753 | Introduction to Biometrics System | | | |
| | | | | |

Students can select any one of the open electives offered by any Department(Please refer to the list of open electives under 18CS75X).

Selection of an open elective is not allowed provided,

- The candidate has studied the same course during the previous semesters of the programme.
- The syllabus content of open elective is similar to that of Departmental core courses or professional electives.
- A similar course, under any category, is prescribed in the higher semesters of the programme.
- · Registration to electives shall be documented under the guidance of Programme Coordinator/ Adviser/Mentor.

Project work: Based on the ability/abilities of the student/s and recommendations of the mentor, a single discipline or a multidisciplinary project can be assigned to an individual student or to a group having not more than 4 students. In extraordinary cases, like the funded projects requiring students from different disciplines, the project student strength can be 5 or 6.

CIE procedure for Project Work Phase - 1:

- (i) Single discipline: The CIE marks shall be awarded by a committee consisting of the Head of the concerned Department and two senior faculty members of the Department, one of whom shall be the Guide. The CIE marks awarded for the project work phase -1, shall be based on the evaluation of the project work phase -1 Report (covering Literature Survey, Problem identification, Objectives and Methodology), project presentation skill and question and answer session in the ratio 50:25:25. The marks awarded for the Project report shall be the same for all the batch mates.
- (ii) Interdisciplinary: Continuous Internal Evaluation shall be group wise at the college level with the participation of all guides of the college. Participation of external guide/s, if any, is desirable. The CIE marks awarded for the project work phase -1, shall be based on the evaluation of project work phase -1 Report, project presentation skill and question and answer session in the ratio 50:25:25. The marks awarded for the project report shall be the same for all the batch mates.

Internship: All the students admitted to III year of BE/B.Tech shall have to undergo mandatory internship of 4 weeks during the vacation of VI and VII semesters and /or VII and VIII semesters. A University examination shall be conducted during VIII semester and the prescribed credit shall be included in VIII semester. Internship shall be considered as a head of passing and shall be considered for the award of degree. Those, who do not takeup/complete the internship shall be declared fail and shall have to complete during subsequent University examination after satisfying the internship requirements

AICTE activity Points: In case students fail to earn the prescribed activity Points, Eighth semester Grade Card shall be issued only after earning the required activity Points. Students shall be admitted for the award of degree only after the release of the Eighth semester Grade Card.

Scheme of Teaching and Examination 2018 - 19

Outcome Based Education (OBE) and Choice Based Credit System (CBCS) (Effective from the academic year 2018 – 19)

| X/TTT | SEMESTER | |
|-------|----------|--|
| | | |

| | Com | rse and | | | | Teachi | ing Hour | s/Week | | Examination | | | | |
|-----------|---------|-----------|------------------------------|-------------|----------------|-------------------|----------------------------------|----------------------|----------------------|-------------|-----------|-------------|---------|--|
| SI. No | | rse code | Course Title | Teaching | Department | Theory Lecture | T Tutorial | Practical/ d Drawing | Duration in hours | CIE Marks | SEE Marks | Total Marks | Credits | |
| 1 | PCC | 10.43.401 | P' D · · · · · · · · · · · · | | | | | | 02 | 40 | 60 | | 2 | |
| 1 | PCC | 18AM81 | Big Data andits applications | A | М | 3 | | | 03 | 40 | 60 | 100 | 3 | |
| 2 | PEC | 18AM82X | Professional Elective – 4 | A | М | 3 | | | 03 | 40 | 60 | 100 | 3 | |
| 3 | Project | 18AMP83 | Project Work Phase – 2 | A | М | | | 2 | 03 | 40 | 60 | 100 | 8 | |
| 4 | Seminar | 18AMS84 | Technical Seminar | A | М | | | 2 | 03 | 100 | | 100 | 1 | |
| 5 | INT | 18AMI85 | Internship | inte VII | erveni Seme | - | ng the tions of V d/or VII | | 03 | 40 | 60 | 100 | 3 | |
| | • | • | | TOT | AL | 06 | | 4 | 15 | 260 | 240 | 500 | 18 | |

Note: PCC: Professional Core, PEC: Professional Elective, OEC: Open Elective, INT: Internship.

Professional Electives – 4

| Course code under 18CS82X | Course Title |
|------------------------------|--|
| 18AM821 | Artificial Intelligence and Machine Learning in Healthcare |
| 18AM822 | System Modelling and Simulation |
| 18AM823 | Artificial Intelligence in Agriculture |
| 18AM824 | Multilayer Neural Networks and Deep Learning |
| 18AM825 | |

Project Work CIE procedure for Project Work Phase - 2:

- (i) Single discipline: The CIE marks shall be awarded by a committee consisting of the Head of the concerned Department and two senior faculty members of the Department, one of whom shall be the Guide. The CIE marks awarded for the project work phase -2, shall be based on the evaluation of project work phase -2 Report, project presentation skill and question and answer session in the ratio 50:25:25. The marks awarded for the project report shall be the same for all the batch mates.
- (ii) Interdisciplinary: Continuous Internal Evaluation shall be group wise at the college level with the participation of all guides of the college. Participation of external guide/s, if any, is desirable. The CIE marks awarded for the project work phase -2, shall be based on the evaluation of project work phase -2 Report, project presentation skill and question and answer session in the ratio 50:25:25. The marks awarded for the project report shall be the same for all the batch mates.

SEE for Project Work Phase - 2:

- (i) **Single discipline:** Contribution to the project and the performance of each group member shall be assessed individually in semester end examination (SEE) conducted at the department.
- (ii) Interdisciplinary: Contribution to the project and the performance of each group member shall be assessed individually in semester end examination (SEE) conducted separately at the departments to which the student/s belong to.

Internship: Those, who have not pursued /completed the internship shall be declared as fail and have to complete during subsequent University examination after satisfying the internship requirements

AICTE activity Points: In case students fail to earn the prescribed activity Points, Eighth semester Grade Card shall be issued only after earning the required activity Points. Students shall be admitted for the award of degree only after the release of the Eighth semester Grade Card. Activity points of the students who have earned the prescribed AICTE activity Points shall be sent the University along with the CIE marks of 8th semester. In case of students who have not satisfied the AICTE activity Points at the end of eighth semester, the column under activity Points shall be marked NSAP (Not Satisfied Activity Points).

