



NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE
(NAAC Accredited)

(Approved by AICTE, Affiliated to APJ Abdul Kalam Technological University, Kerala)



2.6.2 Attainment of program outcomes and course outcomes are evaluated by the institution

<http://www.ncerc.ac.in/downloads/criteria2/2.6.2ncerc.pdf>

| S No | DESCRIPTION | PAGE No |
|-------------|---------------------------------------|----------------|
| 1 | CO – PO mapping and attainment levels | 03 |
| 2 | Series Test Question Papers | 39 |
| 3 | Assignment Question Papers | 105 |



Nehru College of Engineering and Research Centre

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(AN ISO 9001 : 2015 CERTIFIED INSTITUTION)

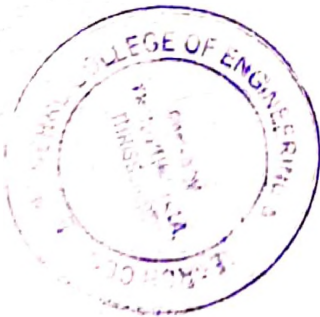
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& Affiliated to APJ AbdulKalam Technological University (KTU)



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Nehru College of
Engineering and Research Centre
Pampady, Thiruvilwamala, Thrissur Dt
Pin - 680 597 Kerala

(Sponsors : Nehru College of Educational and Charitable Trust)

College Campus : Nila Gardens, Pampady, Near Lakkidi Rly. Station, Thiruvilwamala, Thrissur (Dist), Kerala - 680 588
Tel / Fax : +91 4884 - 282070, 284000. E-mail : office@ncerc.ac.in, admissions@ncerc.ac.in, web : www.ncerc.ac.in





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2.6.2 Attainment of program outcomes and course outcomes are evaluated by the institution

The course outcomes are assessed with the marks of two series tests , two assignments and university results. The marks for each series test is 40 . The portions from the first and second modules are covered in Series Test I. The portions from the third and fourth modules are covered in Series Test II.

The marks for each assignment is 30 . The portions for first assignment is covered from the fifth module and the portions for second assignment is covered from the sixth module.

During the academic year 2019 -20 , the course outcomes are assessed with the marks of two series tests , two assignments and university results. The marks for each series test is 50 . The portions from the first ,second and third modules are covered in Series Test I. The portions from the fourth, fifth and sixth modules are covered in Series Test II.

The marks for each assignment is 30 . The portions for first assignment is covered from the first ,second and third module and the portions for second assignment is covered from the fourth, fifth and sixth module.

The course outcomes are thus directly and quantitatively assessed, and are tied to the program outcomes and program specific outcomes. Therefore if the course outcomes are attained, they provide direct quantitative evidence that program outcome is attained.

The course outcomes of each course are mapped to the Program Outcomes with a level of emphasis being HIGH (3), MODERATE (2) and LOW (1).

Projects are reviewed by industrial experts to oversee whether they are in tune with the learning outcomes. The importance of employability is insisted upon as one of the main learning outcomes. Faculty members write COs of their respective course and refer them while executing the course plan. Faculty members refer the syllabus to understand POs and COs thoroughly before delivering the courses to students.



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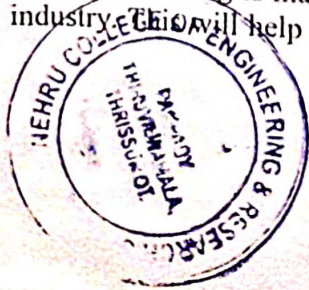
Pin - 686 507 Kerala

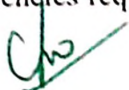
Reviews of these POs and COs are taken by the stakeholders and suggestions are discussed in meetings. Revisions are done wherever required.

PO CO attainment level details are submitted to the Principal Office through the Head of the departments. Reviews are done to focus on analytical subjects and result pulling subjects so as to improve the CO PO attainment levels and thereby enhance the academic performance of the students and also improve the overall pass percentage of the subjects.

Delivery of courses helps in the attainment of the PO

- Beyond class room teaching, webinar classes and guest lecturers are conducted by the faculty and eminent personalities, for the students and the backup files are filed in college website for any time usage by the students.
- .Course content delivery/ Lecture is done effectively by using modern tools like LCD projector, overhead projectors and laptops in class rooms/ Seminar Halls.
- Group Discussion is a useful tool to assess the students ability to think critically and to articulate. Group discussion on study is essential for effective learning. In group discussion learning is shared and student participating in discussion are benefitted. It improves communication skill.
- Tutorial hours are included in the respective class time table. Two Assignments are given for each course. Students are trained in problem solving, group discussions, quiz, literature survey, seminar, term-project, software exercises etc .Viva voce is conducted for all practical laboratory classes.
- Eminent Personalities/ Speakers are invited for lecture to share their valuable insights from their rich experience about contemporary issues, the challenges they are faced with and how they dealt with them. It will help the students to supplement their theoretical knowledge.
- Course folders are properly maintained by the staff members and it includes notes of lesson, lesson plan, sample questions and answers, question banks, university question papers.
- Quiz, demonstrations and models, are used to deliver the contents effectively.
- Demonstrative experiments and simple projects are undertaken jointly with students to understand the concepts.
- Industrial training is mandatory to bridge the gap in the academic curriculum and in the industry. This will help the students to develop their skills and competencies required to




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become employable. It provides an opportunity for students to apply theoretical knowledge acquired in the classroom with practical application of knowledge required to perform a task

- Student feedback on faculty is taken twice in a semester to ascertain faculty efficacy and capacity. Based on which the Class Committee meetings will be held to take the corrective actions initiated by the Head of the Department.
- Further, students give feedback on attainment of course outcomes at the end of the semester, which is statistically analysed to find the attainments of course outcomes and program outcomes.

| Modes of Content Delivery | PROGRAMME OUTCOMES | | | | | | | | | | |
|---|--------------------|---|---|---|---|---|---|---|---|---|---|
| | a | b | c | d | e | f | g | h | i | j | K |
| Lectures | ✓ | ✓ | ✓ | | | | | | | ✓ | ✓ |
| Group Discussions | | | ✓ | ✓ | | ✓ | ✓ | | | ✓ | ✓ |
| Assignments, quiz | ✓ | | ✓ | | ✓ | | | | | | ✓ |
| Tutorials | ✓ | ✓ | ✓ | | ✓ | | | | | | |
| Demonstrations | ✓ | ✓ | ✓ | ✓ | | | ✓ | ✓ | ✓ | ✓ | |
| Guest lectures | ✓ | ✓ | | ✓ | | | | ✓ | | ✓ | ✓ |
| Industrial Training, Projects at industries | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

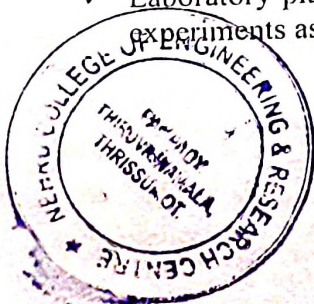
Role of laboratory in the attainment of PO


In a 30 period's weekly schedule, students attend 24 periods of theory & tutorial sessions, 6 periods lab/ project sessions. . In addition, Pre-final and Final Year students get themselves engaged in mini/major projects to improve their practical skills.

Laboratory works:

There are totally 14 laboratory courses (as per 2009 Scheme) & 13 laboratory courses (as per 2014 scheme) in our curriculum provided by the affiliated university (Calicut university), which covers all the areas of basic science. basic engineering, computing, humanities and professional courses.

- ✓ Laboratory plans are prepared for each laboratory course. This plan includes number of experiments as prescribed in the curriculum.



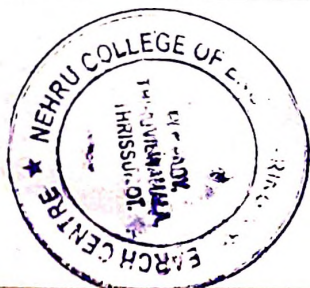

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- ✓ Laboratory manuals are prepared for all the experiments in the plan and are provided to the students in advance..
- ✓ Continuous assessment system is also implemented for assessment of laboratory work. The assessment is done on the basis of timely submission of laboratory records, understanding of the experiment through oral questions and participation in performing the experiment.

2009 SCHEME

| Theory Course | | | Associated Lab | | |
|---------------|-------------|---|----------------|-----------------------------|---|
| Sl No. | Course Code | Course Name | Sl No. | Course Code | Name of the Lab |
| 1 | EN09 103 | Engineering Physics | 1 | EN09 103 (P) | Physics Lab |
| 2 | EN09 104 | Engineering Chemistry | 2 | EN09 104 (P) | Chemistry Lab |
| 3 | EN09 107 | Basics of Electrical, Electronics & Communication Engineering | 3 | EN09 110 (P) & EN09 111 (P) | Mechanical Workshops & Electrical and Civil Workshops |
| 4 | EN09 106 | Basics of Civil and mechanical Engg. | 4 | | |

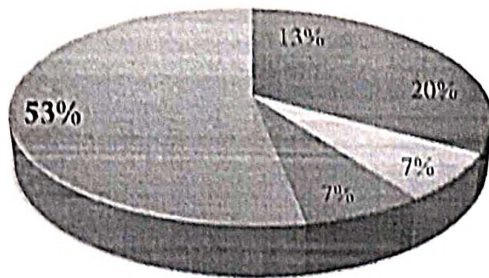
| | | | | | |
|----|----------|---|----|--------------|---|
| 5 | EE09 303 | Electric Circuit Theory | 5 | EE09 307 (P) | Basic Electrical Engg. Lab |
| 6 | EE09 305 | Analog Electronics | 6 | EE09 308 (P) | Analog Electronics Lab |
| 7 | EE09 306 | Mechanical Engineering | 7 | EE09 407 (P) | Mechanical Engg. Lab |
| 8 | EE09 404 | DC Machines and Transformers | 8 | EE09 507 (P) | Electrical Machines Lab -I |
| 9 | EE09 405 | Digital Electronics | 9 | EE09 508 (P) | Digital Electronics Lab |
| 10 | EE09 406 | Electrical Measurements & Instrumentation Systems | 10 | EE09 408 (P) | Electrical Measurements & Instrumentation Lab |
| 11 | EE09 501 | Synchronous and Induction Machines | 11 | EE09 607 (P) | Electrical Machines Lab -II |




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| | | | | | |
|----|----------|---|----|-----------------|----------------------------------|
| 12 | EE09 504 | Power Electronics | 12 | EE09 707 (P) | Power Electronics Lab |
| 13 | EE09 601 | Microprocessors and Microcontrollers | 13 | EE09 708 (P) | Advanced Electrical Engg. Lab |

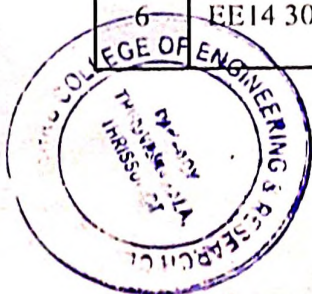
List of laboratories



- ▣ Basic Science
- ▣ Engineering Workshops
- ▣ Computer Programming
- ▣ Mechanical
- ▣ Electrical Core(hardware and simulation)

2014 SCHEME

| Theory Course | | | Associated Lab | | |
|---------------|-------------|--|----------------|--------------------------------------|---|
| Sl No. | Course Code | Course Name | Sl No. | Course Code | Name of the Lab |
| 1 | EN14 103 | Engineering Physics | 1 | EN14 103 (P) | Physics Lab |
| 2 | EN14 104 | Engineering Chemistry | 2 | EN14 104 (P) | Chemistry Lab |
| 3 | EN14 107 | Basics of Electrical, Electronics & Communication Engineering | 3 | EN14 110 (P) & EN14 111 (P) | Mechanical Workshops & Electrical and Civil Workshops |
| 4 | EN14 106 | Basics of Civil and mechanical Engg. | 4 | | |
| 5 | EE14 303 | Electric Circuit Theory | 5 | EE14 307 (P) | Basic Electrical Engg. Lab |
| 6 | EE14 304 | Electrical Measurements & Instrumentation | 6 | EE14 408(P) | Electrical Measurements & Instrumentation Lab |



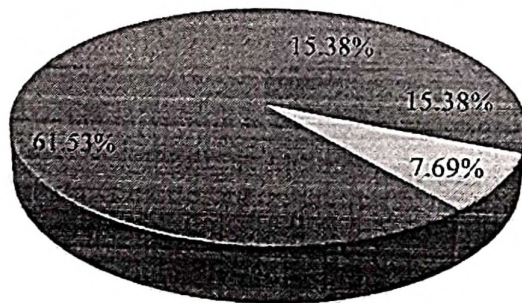
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| | | Systems | | | |
|----|----------|--------------------------------------|----|--------------|-----------------------------------|
| 7 | EE14 305 | Analog Electronics | 7 | EE14 308 (P) | Electronics Lab |
| 8 | EE14 306 | Mechanical Engineering | 8 | EE14 407 (P) | Mechanical Engg. Lab |
| 9 | EE14 403 | Electrical Machines I | 9 | EE14 507 (P) | Electrical Machines Lab -I |
| 10 | EE14 405 | Digital Electronics | 10 | EE14 508 (P) | Integrated Circuits Lab |
| 11 | EE14 501 | Power Electronics | 11 | EE14 706(P) | Power Electronics Lab |
| 12 | EE14 503 | Electrical Machines II | 12 | EE14 607 (P) | Electrical Machines Lab -II |
| | EE14 603 | Electrical Machines III | | EE14 607 (P) | |
| 13 | EE14 604 | Microprocessors and Microcontrollers | 13 | EE14 707 (P) | System Simulation and Control Lab |

List of laboratories



- ▣ Basic Science
- ▣ Engineering Workshops
- ▣ Mechanical
- ▣ Electrical Core (hardware and simulation)




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INDIVIDUAL LAB COURSES PO MAPPING IN THE ACADEMIC YEAR

2015 – 2016

| SL NO | Course Code & Course Title | PROGRAMME OUTCOMES | | | | | | | | | | |
|-------|---|--------------------|---|---|---|---|---|---|---|---|---|---|
| | | a | b | c | d | e | f | g | h | i | j | K |
| 1 | PH 110 Engineering Physics Lab | ✓ | ✓ | | | ✓ | | ✓ | ✓ | | | |
| 2 | EE110 Electrical Engineering Workshop | ✓ | ✓ | ✓ | ✓ | ✓ | | | ✓ | ✓ | | |
| 3 | ME 110 Mechanical Engineering Workshop | | | | | | | | | | | |
| 4 | CY 110 Engineering Chemistry Lab | ✓ | ✓ | | ✓ | | | ✓ | ✓ | | | ✓ |
| 5 | CE 110 Civil Engineering Workshop | ✓ | ✓ | | ✓ | ✓ | ✓ | | | | | |
| 6 | EC 110 Electronics Engineering Workshop | ✓ | ✓ | ✓ | | ✓ | | | | | | |
| 7 | EE14 307(P) Basic Electrical Engineering Lab | ✓ | ✓ | ✓ | ✓ | ✓ | | | | ✓ | | |
| 8 | EE14 308(P) Electronics Lab | ✓ | ✓ | ✓ | | ✓ | | | ✓ | ✓ | | ✓ |
| 9 | EE14 407(P) Mechanical Engineering Lab | ✓ | ✓ | ✓ | | | | | ✓ | | | |
| 10 | EE14 408(P) Electrical Measurements & Instrumentation Lab | ✓ | ✓ | ✓ | ✓ | | | | ✓ | ✓ | | |
| 11 | EE09 507(P) Electrical Machine Lab I | ✓ | ✓ | | ✓ | ✓ | | | ✓ | | | |
| 12 | EE09 508(P) Digital Electronics Lab | ✓ | ✓ | ✓ | ✓ | ✓ | | | ✓ | ✓ | ✓ | ✓ |
| 13 | EE09 607(P) Electrical Machines Lab II | ✓ | ✓ | | ✓ | ✓ | | | | | | |




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| | | | | | | | | | | | | |
|----|---|---|---|---|---|---|--|--|--|---|--|---|
| 14 | EE09 707(P) Power Electronics Lab | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | ✓ |
| 15 | EE09 708(P) Advanced Electrical Engineering Lab | ✓ | ✓ | ✓ | ✓ | ✓ | | | | ✓ | | ✓ |

Role of project work in the attainment of PO

Project Work

Project work is for duration of two semesters and is expected to be completed in the eighth semester. Each student group consisting of three to four members is expected to design and develop a complete system or make an investigative analysis of a technical problem in the relevant area. The project may be implemented using software, hardware or a combination of both. The students can undertake the project work in electrical power systems/ machines/ electronics/ computer/ instrumentation/ biomedical Engg. or any allied area and must have relevance in electrical or electronics engineering. Project evaluation committee consisting of the guide and three/four faculty members specialized in the above field will perform the screening and evaluation of the projects. Each project group will submit project synopsis within three weeks from start of seventh semester. Project evaluation committee shall study the feasibility of each project work before giving consent. The performance of the students in the project work will be assessed on a continuous basis by the project evaluation committee through progress seminars and demonstrations conducted during the semester. Each project group has to maintain a log book of activities of the project. It should have entries related to the work done, problems faced, solution evolved etc. Students should execute the project work using the facilities of the institute. However, they are allowed to take up external projects in reputed industries, if that work solves a technical problem of the external firm.




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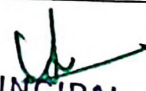
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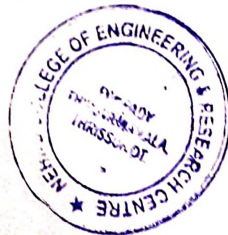
Best three projects during academic year 2015-16, 2016-17, 2017-18, 2018-19, 2019-20

| ACADEMIC YEAR 2015-2016 | | | |
|-------------------------|----------------------|--|--|
| REGISTER No | NAME OF THE STUDENTS | NAME OF THE PROJECT | NAME OF THE ORGANIZATION IN WHICH PROJECT WAS DONE |
| NCAMEEE022 | Arjun K G | Determination of efficiency and Thermal Ageing of Insulation in Power Transformers | Transformers and Electricals Kerala Limited |
| NCAMEEE041 | Hashim K NAZAR | | |
| NCAMEEE046 | Jeevas V S | | |
| NCAMEEE053 | Kiran P R | | |
| NCAMEEE063 | Muhammed Jaisal K M | Unit Commitment for Thermal Optimization Using Genetic Algorithm | Nehru College of Engineering and Research Centre |
| NCAMEEE065 | Muhammed Shameem P E | | |
| NCAMEEE088 | Sangeeth Balu K | | |
| NCAMEEE101 | Sreeraj K | | |
| NCAMEEE003 | Abhilash K R | High Security Circuit Breaker | Nehru College of Engineering and Research Centre |
| NCAMEEE012 | Akhil Porinchu | | |
| NCAMEEE042 | Himal Krishna V V | | |
| NCAMEEE047 | Jishnu V | | |
| NCAMEEE049 | Jithin Benson | | |
| ACADEMIC YEAR 2016-2017 | | | |
| NCANE0010 | Akarsh S | Design of a 2MW Grid Connected Photovoltaic Power Plant | Nehru College of Engineering and Research Centre |
| NCANE0012 | Akshay A | | |
| NCANE0017 | Anandraj K | | |
| NCANE0026 | Athul Krishna B | | |
| NCANE0031 | Gokuldas R | | |
| NCANE0077 | Vishnu K R | Smart Helmet | Nehru College of Engineering and Research Centre |
| NCANE0078 | Vishnu V | | |
| NCANE0080 | Yadav K S | | |
| NCANE0081 | Yajin Rajan | | |
| NCANE0044 | Lediya Jacob | Automatic Voltage Regulation and Parallel Operation of Power Transformer using LDC | Transformers and Electricals Kerala Limited |
| NCANE0050 | Nayana M S | | |
| NCANE0052 | Noushiya A | | |
| NCANE0056 | Rukhiya Fahmidha | | |
| NCANE0065 | Sona Johnson | | |
| ACADEMIC YEAR 2017-2018 | | | |
| NCAN00049 | Sarangi | Detection of Human | Nehru College of |




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| | | | |
|--------------------------------|---------------------|--|--|
| NCAOEEE057 | S R Saranju | Life in Hazardous Area | Engineering and Research Centre |
| NCAOEEE044 | Preethi R | | |
| NCAOEEE036 | Mariya Paul | | |
| NCAOEEE016 | Aparna Unni | | |
| NCAOEEE030 | Jijitha Mol | Independent Power Supply for Building Complexes | Nehru College of Engineering and Research Centre |
| NCAOEEE033 | Keerthi | | |
| NCAOEEE012 | Alisha Davis | | |
| NCAOEEE005 | Aiswarya Venu | | |
| NCAOEEE024 | Chandni A Shaji | | |
| NCAOEEE006 | Ajas Mohammed K P | EOG Based Control Operation of Motor | Nehru College of Engineering and Research Centre |
| NCAOEEE007 | Ajay Krishnan | | |
| NCAOEEE008 | Ajay P | | |
| NCAOEEE009 | Ajeesh C G | | |
| NCAOEEE018 | Aravind R Pisharody | | |
| ACADEMIC YEAR 2018-2019 | | | |
| NCE15EE005 | Ambili V | Weather Based Automatic Roof Top Control | Nehru College of Engineering and Research Centre |
| NCE15EE011 | Arshifa A | | |
| NCE15EE015 | Athira S | | |
| NCE15EE021 | Diya R | | |
| NCE15EE004 | Adithya Krishna | Distribution Line Emergency Rupturing System | Nehru College of Engineering and Research Centre |
| NCE15EE010 | Arjun Surendran | | |
| NCE15EE036 | Nelson P O | | |
| LNCE15EE063 | Sreejith V S | | |
| NCE15EE039 | Pavan Krishnan T K | Conservation and Production of Energy from Road and WPT system | Nehru College of Engineering and Research Centre |
| NCE15EE032 | Krishnakumar P | | |
| NCE15EE055 | Vishnu V | | |
| NCE15EE018 | Binu Raj C | | |
| NCE15EE019 | Davis Varghese | | |
| LNCE15EE058 | Faisal | | |
| ACADEMIC YEAR 2019-2020 | | | |
| NCE16EE044 | Vikas V | Overhead Distribution Line Fault Detection System | Nehru College of Engineering and Research Centre |
| NCE16EE045 | Vipin V | | |
| LNCE16EE046 | Anil K R | | |
| LNCE16EE047 | Cyril Joseph | | |
| NCE16EE015 | Arun K Narayanan | Human Rescue Assistant Amphibian Robot | Nehru College of Engineering and Research Centre |
| NCE16EE016 | Arun K S | | |
| NCE16EE026 | Kiran K Narayanan | | |
| NCE16EE031 | Naveen Ravindran | | |
| NCE16EE043 | Ujjwal K Menon | Advanced Space Research Enhancement Rover | Nehru College of Engineering and Research Centre |

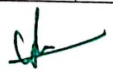


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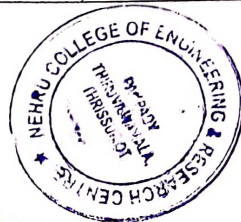
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Mysuru, Karnataka, India

| ACADEMIC YEAR 2015-2016 | | | |
|-------------------------|----------------------|---|--|
| NCAMECS065 | SANTOSH KUMAR | Cursor control by gesture movement | Nehru College of Engineering and Research Centre |
| NCAMECS066 | VISHNU K S | | |
| NCAMECS067 | VYSAGH A | | |
| NCAMECS047 | YADU KRISHNAN | | |
| NCAMECS021 | BHAVYA K | Detection of DDos attack using Hidden Semi-Markov Model | Nehru College of Engineering and Research Centre |
| NCAMECS062 | VIDYA S | | |
| NCAMECS010 | ANRUTHA JAYARAJ | | |
| NCAMECS046 | SANGEETHA K | | |
| NCAMECS027 | GREESHMA S | Sharing Visual Secrets in Single Image Random Dot Stereograms | Nehru College of Engineering and Research Centre |
| NCAMECS039 | NYJI V | | |
| NCAMECS040 | NIMISHA V S | | |
| NCAMECS052 | SHIBANI R | | |
| | | | |
| ACADEMIC YEAR 2016-2017 | | | |
| NCANECS025 | JISHNU.P | 3D SCANNER | Nehru College of Engineering and Research Centre |
| NCANECS018 | DHANESH.K.R | | |
| NCANECS024 | JERIN K JOY | | |
| NCANECS019 | HARIKRISHNAN P N | | |
| NCANECS057 | VIVEK M V | CAPTCHA GRAPHICAL AUTHENTICATION PROTOCOL | Nehru College of Engineering and Research Centre |
| NCANECS056 | VIVEK H | | |
| NCANECS058 | VIVEK R | | |
| NCANECS059 | YASSAS.C | | |
| NCANECS026 | JITHIN RAJEEV | NOTE | Nehru College of Engineering and Research Centre |
| NCANECS036 | MUHAMMED RAFI E | | |
| NCANECS015 | BALALINATH R | | |
| NCANECS048 | SREERAJ M | | |
| | | | |
| ACADEMIC YEAR 2017-2018 | | | |
| NCAOECS052 | MOHAMMED SHAFEEQ T P | OCRead-All in One OCR application for visually challenged and normal people | Nehru College of Engineering and Research Centre |
| NCAOECS070 | SANOOP R | | |
| NCAOECS077 | SREERAJ THAMPAN | | |
| NCAOECS084 | VISHNU M | | |
| NCAOECS053 | NADEER ABDUL HAZEEB | Text Recognition on natural images | Nehru College of Engineering and Research Centre |
| NCAOECS059 | NOORMUHAMMED M K | | |
| NCAOECS079 | SUDHIL C M | | |
| NCAOECS085 | VIVEK V | | |
| NCAOECS072 | SHYAM SANKAR S | | |
| NCAOECS001 | ABHIJITH S | Sign Board Detection and Driver Alert | Nehru College of Engineering and |
| NCAOECS002 | ABHISHEK S | | |



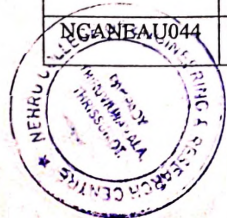

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| | | | |
|--------------------------------|---------------------|---|--|
| NCAOECS015 | ANSALKHAN K A | System | Research Centre |
| NCAOECS018 | ARJUN A | | |
| NCAOECS046 | KIRAN KUMAR M | | |
| ACADEMIC YEAR 2018-2019 | | | |
| NCE15CS048 | NITHIN P | Hel-Shift: A Helmet with 360 degree vision | Nehru College of Engineering and Research Centre |
| NCE15CS049 | NOEL JACKSON | | |
| NCE15CS051 | PRANAV P S | | |
| NCE15CS061 | VARADARAJAN A H | Augmented Reality Enhanced Computer Aided Learning | Nehru College of Engineering and Research Centre |
| NCE15CS037 | LIYAS THOMAS | | |
| NCE15CS008 | AJITH P G | | |
| NCE15CS017 | ARJUN JAYESH | Smart Street Light System | Nehru College of Engineering and Research Centre |
| NCE15CS014 | ANJALI SUNIL | | |
| NCE15CS022 | BINDHUJA | | |
| NCE15CS023 | CHANDINI CHAKKUNGAL | | |
| ACADEMIC YEAR 2019-2020 | | | |
| NCE16CS070 | MOHAMMED FAISAL K V | Image Processing based Human Pursuing Robot | Nehru College of Engineering and Research Centre |
| NCE16CS076 | NIKHIL M | | |
| NCE16CS082 | P GOUTHAM | | |
| NCE16CS117 | VIGNESH C R | Smart Mirror | Nehru College of Engineering and Research Centre |
| NCE16CS119 | VISHNU PRASAD | | |
| NCE16CS067 | M MANU | | |
| NCE16CS091 | RASIKH MOHAMMED K | Android based secure voting system with facial recognition | Nehru College of Engineering and Research Centre |
| NCE16CS003 | ABHINAND N | | |
| NCE16CS038 | BIJITH KALADHARAN | | |
| NCE16CS047 | GIRISH C | | |
| NCE16CS060 | JISHNU RAJ | | |
| ACADEMIC YEAR 2015-2016 | | | |
| NCAMEAU005 | AJITH K | Fabrication of 3 wheel Scooter having independent suspension on front | Nehru College of Engineering and Research Centre |
| NCAMEAU020 | KANCHAN B | | |
| NCAMEAU010 | ARUN C R | | |
| NCAMEAU038 | VIMAL DEV I P | | |
| NCAMEAU003 | ABU ASAD M | Vapour absorptionrefrigeration using engine exhaust energy | Nehru College of Engineering and Research Centre |
| NCAMEAU009 | ARAVIND YADAV | | |
| NCAMEAU018 | HIRAN K H | | |




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 Pampady Thiruvallur, Tamil Nadu
 Pin: 601 39, K-13

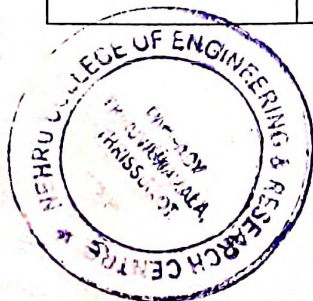
| | | | |
|--------------------------------|-----------------------|---|--|
| NCAMEAU037 | UNAISE RAHMAN | | |
| NCAMEAU014 | DEVANAND | | |
| NCAMEAU001 | ABHIJITH N A | Modification of suspension system for improving riding stability in 3 wheelers | Nehru College of Engineering and Research Centre |
| NCAMEAU017 | GOKUL AJITH | | |
| NCAMEAU025 | MIDHUN M | | |
| NCAMEAU026 | NAIR VISHNU BABU | | |
| NCAMEAU036 | SRJITH R NAIR | | |
| ACADEMIC YEAR 2016-2017 | | | |
| NCANEAU001 | AAKASH P.MOHAN | INVESTIGATION AND EXPERIMENTATION OF SI ENGINE PERFORMANCE AND EMISSIONS USING G SERIES FUEL AND GASOLINE | Nehru College of Engineering and Research Centre |
| NCANEAU012 | ANUSHOBH | | |
| NCANEAU022 | DEEPAK K S | | |
| NCANEAU066 | MARSHAL.A.S | | |
| NCANEAU004 | AKHIL M | AUXILIARY VEHICLE INTEGRATED BUGGY(AVIB) | Nehru College of Engineering and Research Centre |
| NCANEAU006 | AKSHAY K | | |
| NCANEAU020 | AZLAN ALI | | |
| NCANEAU024 | GOKUL RAJ | | |
| NCANEAU043 | SAHAL ALI AHMED | | |
| NCANEAU021 | CARL JOY | FUEL EFFICIENCY IMPROVEMENT BY WATER INJECTION IN SI ENGINE | Nehru College of Engineering and Research Centre |
| NCANEAU033 | MOHAMMED RUSIN KAFOOR | | |
| NCANEAU037 | RAHUL M R | | |
| NCANEAU040 | RAVEEN KRISHNA K | | |
| NCANEAU044 | SANAD THURAKKAL | | |




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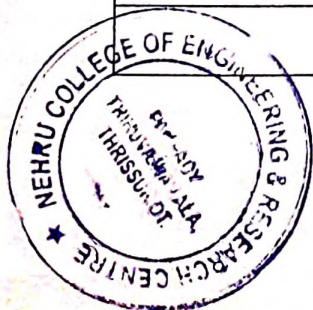
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Kollam, Kerala


| | | | |
|--------------------------------|-------------------------|---|--|
| | PUTHAN PURAYIL | | |
| ACADEMIC YEAR 2017-2018 | | | |
| NCAOEAU002 | ABHIJITH K P | DELTAFLLEE - THREE WHEELED SEGWAY | Nehru College of Engineering and Research Centre |
| NCAOEAU004 | ABHILASH RAJEEV | | |
| NCAOEAU010 | ARJUN M M | | |
| NCAOEAU020 | JASIL USMAN V T K | | |
| NCAOEAU046 | MIDHUN MATHEW PRASAD | | |
| NCAOEAU027 | MUNDAKKAL ANMOL | PERFORMANCE AND EMISSION ANALYSIS OF SI ENGINE USING CAMPBOR - ETHANOL SATURATED BIOFUEL | Nehru College of Engineering and Research Centre |
| NCAOEAU036 | SHANOOB M | | |
| NCAOEAU042 | VISHNU PRADEEPKUMAR | | |
| NCAOEAU047 | PRABIN C B | | |
| NCAOEAU049 | AJITH BHASKER | | |
| NCAOEAU031 | ROYANCE T SIMON | REDUCTION OF NO _x EMISSION FROM VEHICLES USING TITANIUM DIOXIDE | Nehru College of Engineering and Research Centre |
| NCAOEAU033 | SALGIN A S | | |
| NCAOEAU044 | VIPIN GEORGE | | |
| NCAOEAU045 | JITHIN N V | | |
| ACADEMIC YEAR 2018-2019 | | | |
| NCE15AU002 | AKHIL RAJ | Investigation and experimentation of CI engine performance and emissions using gasoline and rice bran oil bio diesel | Nehru College of Engineering and Research Centre |
| NCE15AU004 | AKSHAY MOHAN | | |
| NCE15AU023 | PRANAV P M | | |
| NCE15AU027 | SHYAMJITH A | | |
| NCE15AU028 | SREEJESH K S | | |
| NCE15AU017 | LEON VARGHESE A | NO _x Emission | Nehru College of |



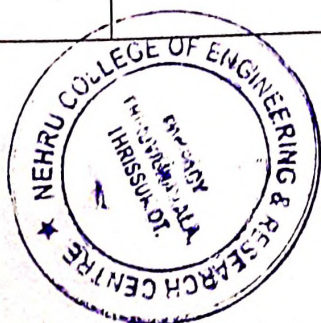

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 Dist. 686 59, Kerala


| | | | |
|--------------------------------|-----------------------------|--------------------------------|--|
| NCE15AU018 | MOHAMED FAIROOZ P | Reduction Using HHO Fuel Cell | Engineering and Research Centre |
| NCE15AU020 | NAVANEETH RACKADI SATHIAVEL | | |
| NCE15AU036 | PRAVEEN | | |
| NCE15AU001 | ADHINRAG K I | Front impact mitigation System | Nehru College of Engineering and Research Centre |
| NCE15AU003 | AKSHAY K K | | |
| NCE15AU016 | JUBIN SCARIA | | |
| NCE15AU035 | ARJUN K V | | |
| ACADEMIC YEAR 2019-2020 | | | |
| NCE16AU003 | AKHIL PRADEEP | HYBRID BUGGY | Nehru College of Engineering and Research Centre |
| NCE15AU014 | JAYAKRISHNAN S | | |
| NCE16AU019 | NITHIN K DAS | | |
| NCE16AU024 | SANJAY C | | |
| NCE16AU027 | SREEJITH P S | | |
| NCE16AU013 | JOSEPH CHANDY | ACCELERATING TORQUE CONTROL | Nehru College of Engineering and Research Centre |
| NCE16AU014 | LEVIN LORANCE | | |
| NCE16AU015 | LINSO SOLOMON | | |
| NCE16AU017 | MUHAMMED HAFIS | | |
| NCE16AU018 | MUHAMMED SHARUBE K S | | |
| NCE16AU004 | AKHIL SHAJI | ELECTRIC VELOCIPEDE | Nehru College of Engineering and Research Centre |
| NCE16AU010 | GOPIKRISHNAN S | | |
| NCE16AU030 | VIMAL D | | |
| NCE16AU031 | VINEETH | | |
| ACADEMIC YEAR 2015-2016 | | | |



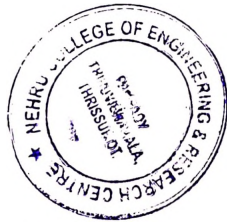

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 Kerala

| | | | |
|--------------------------------|----------------|--|--|
| NCANMCA006 | Dheeraj Das | H R Portal | LXI Technologies, Pathirippala |
| NCANMCA002 | Ambika P | Location Aware News Feed System | LXI Technologies, Pathirippala |
| NCANMCA011 | Mohammed Firoz | Regional Transport Office Management System | Softronics, Kochi |
| ACADEMIC YEAR 2016-2017 | | | |
| NCAOMCA034 | SOMYA N | Phone Clone | RISS Technologies, Kochi |
| NCAOMCA031 | Sheeba A | Fit & Match Online | RISS Technologies, Kochi |
| NCAOMCA027 | Priyanka Raj | Payment System Using Stegnography & Visual Cryptography | RISS Technologies, Kochi |
| ACADEMIC YEAR 2017-2018 | | | |
| NCAPMCA016 | NEELIMA M P | Blind Navigation At Shopping Mall | Xerox, Infopark, Kochi |
| NCAPMCA019 | Raiby M Benny | My Dream Village | Xerox, Infopark, Kochi |
| NCAPMCA025 | Sumi M | Cybernet Protectors | Softronics, Kochi |
| ACADEMIC YEAR 2018-2019 | | | |
| LNCE16MCA036 | Reshma V | Aiding System For Blind, Deaf & Dump Using Raspberry Pi | Nehru College of Engineering and Research Centre |
| LNCE16MCA039 | Sruthy M | Air Pen | Nehru College of Engineering and Research Centre |




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| | | | |
|-------------------------|---------------|---|--|
| LNCE16MCA018 | Shivin Wilson | Movie Catcher | Nehru College of Engineering and Research Centre |
| ACADEMIC YEAR 2019-2020 | | | |
| LNCE17MCA020 | Jisha K | Fraud Detection of APPS Using Sentiment Analysis | Nehru College of Engineering and Research Centre |
| LNCE17MCA011 | ARATHI R | Factal Emotion Recognition Using Convolutional Neural Networks | Nehru College of Engineering and Research Centre |
| LNCE17MCA020 | Sreelekha T K | RTEA Implementing Business Trends For Corporate Identity Services | Nehru College of Engineering and Research Centre |




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 Kerala



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Pampady, Thiruvilwamala, Thrissur Dt.

VIII Semester Electrical & Electronics Engineering - (2016-20)

EE 404 INDUSTRIAL INSTRUMENTATION & AUTOMATION - PO-CO MAPPING - JUNE 2020



| Sl.No | Reg.No | Name | Assignment 1 | Assignment 2 | Assignment 3 | Assignment 4 | Assignment 5 | Assignment 6 | Assignment Average (10) | Series Test 1 | | | Series Test 2 | | | Series Test 1 Avg (20) | Internal marks (50) | University Result | |
|-------|------------|------------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------------------|---------------|------|------|---------------|------|------|------------------------|---------------------|-------------------|----|
| | | | 10 | 10 | 10 | 10 | 10 | 10 | | CO 1 | CO 2 | CO 3 | CO 4 | CO 5 | CO 6 | | | | |
| 1 | NCE16EE001 | AARDHRA T V | 10 | 9 | 10 | 10 | 10 | 10 | 10 | 6 | 6 | 6 | 18 | 7 | 7 | 4 | 18 | 46 | O |
| 2 | NCE16EE002 | ABHIJITH S | 9 | 9 | 9 | 10 | 10 | 10 | 10 | 4 | 5 | 5 | 14 | 7 | 6 | 7 | 20 | 44 | A |
| 3 | NCE16EE003 | ABHISHEK P M | 8 | 6 | 6 | 10 | 10 | 10 | 8 | 5 | 6 | 1 | 12 | 6 | 6 | 2 | 14 | 34 | F |
| 4 | NCE16EE004 | ADITHYAN S | 10 | 10 | 9 | 10 | 10 | 10 | 10 | 5 | 5 | 4 | 14 | 6 | 6 | 8 | 20 | 44 | F |
| 5 | NCE16EE005 | ADITHYAN K G | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 2 | 4 | 0 | 6 | 7 | 7 | 6 | 20 | 36 | F |
| 6 | NCE16EE007 | AISWARYA NAIR A | 7 | 7 | 8 | 10 | 10 | 10 | 9 | 5 | 4 | 5 | 14 | 6 | 7 | 7 | 20 | 43 | B+ |
| 7 | NCE16EE008 | AJAY RAM P NAIR | 9 | 9 | 9 | 10 | 10 | 10 | 10 | 7 | 7 | 4 | 18 | 6 | 6 | 6 | 18 | 46 | B+ |
| 8 | NCE16EE009 | AJMAL M | 10 | 9 | 9 | 10 | 10 | 10 | 10 | 6 | 7 | 5 | 18 | 5 | 7 | 5 | 17 | 45 | A |
| 9 | NCE16EE010 | AKHIL T R | 9 | 9 | 10 | 10 | 10 | 10 | 10 | 6 | 6 | 5 | 17 | 6 | 7 | 6 | 19 | 46 | A+ |
| 10 | NCE16EE011 | AKSHAY G | 9 | 10 | 10 | 10 | 10 | 10 | 10 | 6 | 4 | 2 | 12 | 6 | 6 | 6 | 18 | 40 | B+ |
| 11 | NCE16EE014 | ANNE MARY THOMAS | 9 | 9 | 10 | 10 | 10 | 10 | 10 | 4 | 5 | 7 | 16 | 8 | 8 | 4 | 20 | 46 | O |
| 12 | NCE16EE015 | ARUN K NARAYANAN | 8 | 8 | 9 | 10 | 10 | 10 | 9 | 6 | 2 | 4 | 12 | 7 | 7 | 6 | 20 | 41 | B+ |
| 13 | NCE16EE016 | ARUN K S | 9 | 9 | 9 | 10 | 10 | 10 | 10 | 5 | 6 | 3 | 14 | 5 | 7 | 5 | 17 | 41 | B+ |
| 14 | NCE16EE018 | ATHUL B | 6 | 6 | 6 | 10 | 10 | 10 | 8 | 7 | 6 | 5 | 18 | 7 | 5 | 5 | 17 | 43 | A |



[Signature]
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 Pampady, Thiruvilwamala, Thrissur Dt.
 Kerala

| Sl.No | Reg No | Name | Assignment | | | | | | Assignment Average (10) | Series Test 1 | | | Series Test 1 Avg (20) | Series Test 2 | | | Series Test 1 Avg (20) | Internal marks (50) | University Result |
|-------|------------|-------------------|------------|--------------|----|--------------|----|--------------|-------------------------|---------------|--------------|----|------------------------|---------------|----|--------------|------------------------|---------------------|-------------------|
| | | | 10 | Assignment 1 | 10 | Assignment 2 | 10 | Assignment 3 | | 10 | Assignment 4 | 10 | | Assignment 5 | 10 | Assignment 6 | | | |
| 15 | NCE16EE019 | BAYIN B | 7 | 6 | 6 | 10 | 10 | 10 | 8 | 5 | 5 | 5 | 15 | 6 | 7 | 5 | 12 | 41 A | |
| 16 | NCE16EE020 | BHAVANA V | 9 | 10 | 10 | 10 | 10 | 10 | 10 | 7 | 7 | 6 | 20 | 6 | 6 | 8 | 20 | 50 A+ | |
| 17 | NCE16EE021 | DONA CLINFARD P | 10 | 8 | 10 | 10 | 10 | 10 | 10 | 6 | 7 | 4 | 17 | 7 | 7 | 5 | 19 | 48 B+ | |
| 18 | NCE16EE022 | GOPIKA KRISHNAN K | 10 | 10 | 9 | 10 | 10 | 10 | 10 | 6 | 7 | 7 | 20 | 7 | 7 | 6 | 20 | 50 O | |
| 19 | NCE16EE023 | GOPIKA S | 8 | 9 | 8 | 10 | 10 | 10 | 9 | 6 | 6 | 4 | 16 | 6 | 6 | 8 | 20 | 45 A | |
| 20 | NCE16EE025 | KARTHIKA K | 9 | 9 | 10 | 10 | 10 | 10 | 10 | 8 | 6 | 4 | 18 | 8 | 7 | 5 | 20 | 48 A | |
| 21 | NCE16EE026 | KIRAN K NARAYANAN | 8 | 9 | 9 | 10 | 10 | 10 | 9 | 5 | 5 | 5 | 15 | 6 | 6 | 8 | 20 | 44 B | |
| 22 | NCE16EE027 | MIBERA M | 9 | 10 | 9 | 10 | 10 | 10 | 10 | 6 | 5 | 4 | 15 | 6 | 6 | 6 | 18 | 43 B | |
| 23 | NCE16EE031 | NAVEEN RAVINDRAN | 10 | 9 | 9 | 10 | 10 | 10 | 10 | 5 | 5 | 4 | 14 | 7 | 7 | 6 | 20 | 44 C | |
| 24 | NCE16EE032 | NITHIN BABU | 9 | 9 | 9 | 10 | 10 | 10 | 10 | 5 | 4 | 5 | 14 | 6 | 5 | 7 | 18 | 42 C | |
| 25 | NCE16EE033 | PRADEEP J | 9 | 9 | 10 | 10 | 10 | 10 | 10 | 4 | 4 | 6 | 14 | 8 | 7 | 4 | 19 | 43 F | |
| 26 | NCE16EE034 | P SRUTHI | 10 | 10 | 9 | 10 | 10 | 10 | 10 | 6 | 5 | 3 | 14 | 7 | 7 | 6 | 20 | 44 A+ | |
| 27 | NCE16EE035 | RAMADAS K | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 6 | 6 | 6 | 18 | 8 | 7 | 4 | 19 | 47 A | |
| 28 | NCE16EE036 | R HARIKRISHNAN | 8 | 10 | 10 | 10 | 10 | 10 | 10 | 5 | 5 | 5 | 15 | 4 | 7 | 8 | 19 | 44 A | |
| 29 | NCE16EE038 | SALINI M | 10 | 8 | 10 | 10 | 10 | 10 | 10 | 6 | 6 | 5 | 17 | 8 | 4 | 8 | 20 | 47 O | |
| 30 | NCE16EE039 | SANJANA S | 10 | 10 | 9 | 10 | 10 | 10 | 10 | 5 | 5 | 4 | 14 | 6 | 7 | 5 | 18 | 42 A+ | |
| 31 | NCE16EE040 | SHDHARTH S MENON | 9 | 10 | 10 | 10 | 10 | 10 | 10 | 5 | 6 | 5 | 16 | 7 | 7 | 6 | 20 | 46 A+ | |
| 32 | NCE16EE041 | SQORAJ M S | 10 | 10 | 8 | 10 | 10 | 10 | 10 | 6 | 6 | 6 | 18 | 6 | 6 | 8 | 20 | 48 O | |
| 33 | NCE16EE042 | SUSMITHA T M | 10 | 8 | 10 | 10 | 10 | 10 | 10 | 7 | 7 | 5 | 19 | 6 | 7 | 7 | 20 | 49 O | |



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 Jeeva Taluk, Karnataka, Thiruvalli Dt
 Coimbatore, Kerala

| Sl.No | Reg.No | Name | Assignment | | | | | | Assignment Average (10) | Series Test 1 | | | Series Test 2 | | | Series Test 1 Avg (20) | Internal marks (50) | University Result | |
|-------|-------------|----------------|------------|----|----|----|----|----|-------------------------|---------------|-----|------|---------------|-----|-----|------------------------|---------------------|-------------------|----------|
| | | | 10 | 10 | 10 | 10 | 10 | 10 | | CO 1 | CO2 | CO 3 | CO4 | CO5 | CO6 | | | | Avg (20) |
| 34 | NCE16EE043 | UJJWAL K MENON | 8 | 8 | 10 | 10 | 10 | 10 | 9 | 3 | 6 | 1 | 10 | 7 | 5 | 5 | 17 | 36A | |
| 35 | NCE16EE044 | VIKAS V | 9 | 9 | 9 | 9 | 10 | 10 | 10 | 4 | 4 | 5 | 13 | 6 | 6 | 4 | 16 | 39B | |
| 36 | NCE16EE045 | VIPIN V | 9 | 10 | 9 | 10 | 10 | 10 | 10 | 6 | 4 | 6 | 16 | 7 | 7 | 6 | 20 | 46A+ | |
| 37 | LNCE16EE044 | ANIL K R | 9 | 9 | 9 | 10 | 10 | 10 | 10 | 6 | 6 | 5 | 17 | 6 | 7 | 7 | 20 | 47A+ | |
| 38 | LNCE16EE047 | CYRIL JOSEPH | 8 | 8 | 10 | 10 | 10 | 10 | 9 | 3 | 5 | 6 | 14 | 7 | 7 | 5 | 19 | 42F | |
| 39 | NCE15EE027 | JAGATH G | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 4 | 2 | 0 | 6 | 6 | 6 | 6 | 18 | 34F | |

| Course Outcomes | | A1 | A2 | A3 | A4 | A5 | A6 |
|----------------------|--|------|----|----|-----|-----|-----|
| Target (%) | | 80 | 80 | 80 | 80 | 80 | 80 |
| % of target achieved | | 92.3 | 90 | 92 | 100 | 100 | 100 |
| Score | | 3 | 3 | 3 | 3 | 3 | 3 |

| CO1 | CO2 | CO3 |
|-----|-----|-----|
| 70 | 70 | 70 |
| 82 | 77 | 59 |
| 2 | 1 | 0 |

| CO4 | CO5 | CO6 |
|-----|-----|-----|
| 80 | 80 | 80 |
| 97 | 97 | 85 |
| 3 | 3 | 2 |

| INT | UNIV |
|------|------|
| 80 | 70 |
| 84.6 | 79.5 |
| 3 | 3 |

> 90 = 3
> 80 = 2
> 70 = 1

FACULTY
P T RAJENA MOL



HOD/EEE

Principal

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Dist. Thiruvananthapuram, Kerala



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PAMPADY, THIRUVILWAMALA, THIRISSUR, KERALA - 680 588

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Consolidated Mark Entry Sheet



Sub.Code: MR451

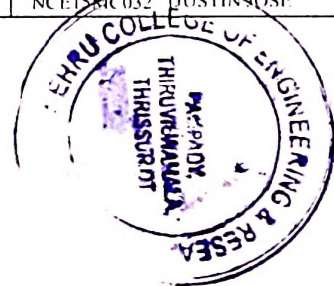
Sub.Name: Seminar & Project Preliminary

Faculty Name: Mr. Ranjith P N

Sem/Batch: S7 / 2015-19

Year/Section: IV

| S.No | Register No | Name of the Student | Review I | Review II | Internal Marks | University Results | Grade Points |
|------|-------------|------------------------|----------|-----------|----------------|--------------------|--------------|
| | | | 50 | 50 | | 100 | |
| 1 | NCE15MC001 | ABHIRAM DINESH | 46 | 44 | 90 | O | 10 |
| 2 | NCE15MC002 | ABHIRAM K | 42 | 41 | 83 | A | 8.5 |
| 3 | NCE15MC003 | ADITHYAN SURESH | 42 | 41 | 83 | A | 8.5 |
| 4 | NCE15MC004 | ADITHYAN MOHAN | 45 | 46 | 91 | O | 10 |
| 5 | NCE15MC005 | AJAY ANAND | 48 | 47 | 95 | O | 10 |
| 6 | NCE15MC006 | AKASHA | 48 | 47 | 95 | O | 10 |
| 7 | NCE15MC007 | AKHIL CHAND P P | 42 | 41 | 83 | A | 8.5 |
| 8 | NCE15MC008 | AKSHAY LAL M R | 48 | 47 | 95 | O | 10 |
| 9 | NCE15MC009 | ALBIN F O | 42 | 41 | 83 | A | 8.5 |
| 10 | NCE15MC010 | ALIND ROY | 48 | 47 | 95 | O | 10 |
| 11 | NCE15MC011 | AMARJITH VINOD | 49 | 41 | 90 | O | 10 |
| 12 | NCE15MC012 | ANTHONY SEBASTIAN KACU | 40 | 37 | 77 | B+ | 8 |
| 13 | NCE15MC013 | ANUPAMA R NATH | 44 | 41 | 85 | A+ | 9 |
| 14 | NCE15MC014 | ARJUN S | 47 | 38 | 85 | A+ | 9 |
| 15 | NCE15MC015 | ATHIRA MENON | 47 | 43 | 90 | O | 10 |
| 16 | NCE15MC016 | ATHUL K A | 42 | 41 | 83 | A | 8.5 |
| 17 | NCE15MC017 | ATHUL VAISHNAV C | 46 | 44 | 90 | O | 10 |
| 18 | NCE15MC019 | DARIL SILVA | 46 | 44 | 90 | O | 10 |
| 19 | NCE15MC020 | DEEPAK R | 46 | 44 | 90 | O | 10 |
| 20 | NCE15MC021 | DEEPAK SUNIL | 49 | 41 | 90 | O | 10 |
| 21 | NCE15MC022 | DEEPU VINIL | 46 | 44 | 90 | O | 10 |
| 22 | NCE15MC023 | GOVIND K A | 42 | 41 | 83 | A | 8.5 |
| 23 | NCE15MC024 | HARSHARAN C G | 49 | 41 | 90 | O | 10 |
| 24 | NCE15MC025 | JEFINA TERESA JOHNSON | 47 | 43 | 90 | O | 10 |
| 25 | NCE15MC027 | JITHIN T J | 46 | 44 | 90 | O | 10 |
| 26 | NCE15MC028 | JOHNSON K JOSE | 46 | 44 | 90 | O | 10 |
| 27 | NCE15MC029 | JOSEPH JITHIN PAUL | 42 | 39 | 81 | A | 8.5 |
| 28 | NCE15MC030 | JOVIN DAVIS I | 41 | 40 | 81 | A | 8.5 |
| 29 | NCE15MC031 | JUBY FLIZABELL JOHN | 46 | 44 | 90 | O | 10 |
| 30 | NCE15MC032 | JUSTIN JOSE | 48 | 47 | 95 | O | 10 |



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Consolidated Mark Entry Sheet

Sub.Code: AU341

Sem/Batch: V / 2016 - 2020

Sub.Name: Design Project

Year/Section: III

Faculty Name: Rejumon R

Academic Year : 2018-2019

Department : Automobile Engineering

| S.No | Register No | Name of the Student | First Review | Second Review | Final Review | Internal Marks | University Results |
|------|-------------|---------------------|--------------|---------------|--------------|----------------|--------------------|
| | | | 20 | 20 | 60 | 100 | |
| 1 | NCE16AU002 | ADITHYA SEKHAR | 14 | 14 | 47 | 75 | B+ |
| 2 | NCE16AU003 | AKHIL PRADEEP | 15 | 16 | 45 | 76 | B+ |
| 3 | NCE16AU004 | AKHIL SHAJI | 13 | 14 | 44 | 71 | B+ |
| 4 | NCE16AU005 | AKSHAY BHASKAR | 13 | 15 | 44 | 72 | B+ |
| 5 | NCE16AU008 | ARUN ANAND | 14 | 13 | 45 | 72 | B+ |
| 6 | NCE16AU010 | GOPIKRISHNAN | 18 | 17 | 51 | 86 | A+ |
| 7 | NCE16AU011 | GOURISANKAR | 15 | 15 | 50 | 80 | A |
| 8 | NCE16AU013 | JOSEPH CHANDY | 18 | 17 | 50 | 85 | A+ |
| 9 | NCE16AU014 | LEVIN LORANCE | 14 | 15 | 46 | 75 | B+ |
| 10 | NCE16AU015 | LINSO SOLOMON | 14 | 15 | 46 | 75 | B+ |
| 11 | NCE16AU017 | MUHAMMED HAFIZ | 17 | 17 | 47 | 81 | A |
| 12 | NCE16AU018 | MUHAMMED SHAROOB | 13 | 14 | 44 | 71 | B+ |
| 13 | NCE16AU019 | NITHIN K DAS | 11 | 13 | 41 | 65 | B |
| 14 | NCE16AU024 | SANJAY C | 17 | 17 | 48 | 82 | A |
| 15 | NCE16AU027 | SREEJITH PS | 15 | 16 | 44 | 75 | B+ |
| 16 | NCE16AU030 | VIMAL D | 13 | 13 | 51 | 77 | B+ |
| 17 | NCE16AU031 | VINEETH M | 13 | 15 | 51 | 79 | B+ |
| 18 | NCE15AU014 | JAYAKRISHNAN | 14 | 16 | 52 | 82 | A |

| Course Outcomes | First Review | Second Review | Final Review | Internal Marks | University Results |
|----------------------|--------------|---------------|--------------|----------------|--------------------|
| Target (%) | 65 | 65 | 65 | 65 | 65 |
| % of target achieved | 94 | 100 | 94 | 94 | 94 |
| Score | 3 | 3 | 3 | 3 | 3 |



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Dist: 680 588, Kerala



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(Accredited by NAAC)

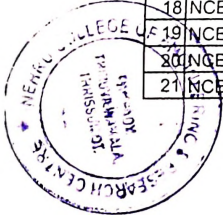
Pampady, Thiruvilwamala, Thrissur Dt.

VIII Semester Electrical & Electronics Engineering - (2016-20)

EE 494 INSTRUMENTATION SYSTEMS - PO CO MAPPING - JUNE 2020

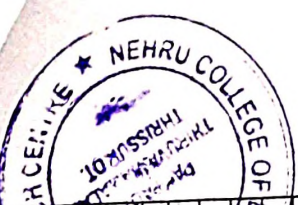


| SL No. | Reg.No | Name | Assignment 1 | Assignment 2 | Assignment 3 | Assignment 4 | Assignment 5 | Assignment 6 | Assignment Average (10) | Series Test 1 | | | Series Test 2 | | | Series Test 1 Avg (20) | Internal marks (50) | University Result | |
|--------|------------|-------------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------------------|---------------|------|------|---------------|------|------|------------------------|---------------------|-------------------|------|
| | | | 10 | 10 | 10 | 10 | 10 | 10 | | 10 | CO 1 | CO 2 | CO 3 | CO 4 | CO 5 | | | | CO 6 |
| 1 | NCE16ME004 | ABHINAND T K | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 5 | 5 | 5 | 15 | 6 | 6 | 6 | 18 | 43 | B |
| 2 | NCE16ME005 | ABHIN K S | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 4 | 3 | 4 | 11 | 7 | 7 | 6 | 20 | 41 | C |
| 3 | NCE16ME014 | AJAY P | 10 | 8 | 8 | 10 | 10 | 10 | 9 | 6 | 6 | 6 | 18 | 6 | 7 | 7 | 20 | 47 | A+ |
| 4 | NCE16ME021 | AKSHAY RAVEENDRAN | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 5 | 4 | 6 | 15 | 5 | 5 | 4 | 14 | 39 | B+ |
| 5 | NCE16ME022 | ALEX PAUL JACOB | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 5 | 5 | 4 | 14 | 6 | 6 | 7 | 19 | 43 | B+ |
| 6 | NCE16ME030 | ANOOP K | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 5 | 6 | 5 | 16 | 6 | 6 | 8 | 20 | 46 | B |
| 7 | NCE16ME033 | ARJUN B G | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 4 | 5 | 4 | 15 | 6 | 7 | 7 | 20 | 45 | C |
| 8 | NCE16ME036 | ARJUN U | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 6 | 6 | 4 | 16 | 7 | 6 | 7 | 20 | 46 | A+ |
| 9 | NCE16ME038 | ARUN KUMAR P S | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 6 | 6 | 5 | 17 | 7 | 6 | 7 | 20 | 47 | O |
| 10 | NCE16ME042 | ASWIN A S | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 7 | 7 | 6 | 20 | 6 | 7 | 7 | 20 | 50 | O |
| 11 | NCE16ME047 | DEEPAK P P | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 5 | 5 | 5 | 17 | 7 | 7 | 6 | 20 | 47 | A+ |
| 12 | NCE16ME050 | ARUN KRISHNA | 8 | 10 | 8 | 10 | 10 | 10 | 9 | 5 | 4 | 6 | 15 | 6 | 7 | 7 | 20 | 44 | A+ |
| 13 | NCE16ME054 | GOVIND G | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 7 | 4 | 5 | 16 | 7 | 7 | 6 | 20 | 46 | O |
| 14 | NCE16ME058 | JINTO THIMOTHY | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 6 | 6 | 6 | 18 | 7 | 7 | 6 | 20 | 48 | O |
| 15 | NCE16ME059 | JISHNU E M | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 7 | 5 | 5 | 17 | 7 | 6 | 7 | 20 | 47 | B+ |
| 16 | NCE16ME069 | MUHAMMED ANEES | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 5 | 5 | 4 | 14 | 7 | 7 | 6 | 20 | 44 | A |
| 17 | NCE16ME073 | NIVED KRISHNAN | 8 | 8 | 8 | 10 | 10 | 10 | 9 | 4 | 5 | 5 | 14 | 6 | 6 | 6 | 18 | 41 | A |
| 18 | NCE16ME081 | RAHUL R | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 5 | 4 | 5 | 14 | 6 | 7 | 7 | 20 | 44 | O |
| 19 | NCE16ME091 | SARATH K | 8 | 8 | 10 | 10 | 10 | 10 | 9 | 6 | 6 | 6 | 18 | 6 | 6 | 4 | 16 | 43 | B+ |
| 20 | NCE16ME092 | SARATH V P | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 4 | 4 | 6 | 14 | 6 | 7 | 7 | 20 | 44 | B+ |
| 21 | NCE16ME100 | SHIYAS M | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 5 | 5 | 6 | 16 | 7 | 6 | 6 | 19 | 45 | B+ |



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688 015

| SL No. | Reg.No | Name | Assignment 1 | Assignment 2 | Assignment 3 | Assignment 4 | Assignment 5 | Assignment 6 | Assignment Average (10) | Series Test 1 | | | Series Test 1 Avg (20) | Series Test 2 | | | Series Test 1 Avg (20) | Internal marks (50) | University Result |
|--------|------------|-------------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------------------|---------------|------|-----|---------------------------|---------------|-----|-----|---------------------------|---------------------|-------------------|
| | | | 10 | 10 | 10 | 10 | 10 | 10 | | 10 | CO 1 | CO2 | | CO 3 | CO4 | CO5 | | | |
| 22 | NCE16ME113 | VINEETH N V | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 5 | 5 | 4 | 14 | 7 | 6 | 7 | 20 | 44 | O |
| 23 | NCE16ME114 | VIPIN K | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 5 | 5 | 5 | 15 | 6 | 6 | 6 | 18 | 43 | A |
| 24 | NCE16ME118 | VIVEK NAIR P A | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 5 | 4 | 5 | 14 | 6 | 7 | 7 | 20 | 43 | B+ |
| 25 | NCE16MC002 | ADITH SUNDER | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 7 | 8 | 5 | 20 | 7 | 6 | 7 | 20 | 50 | O |
| 26 | NCE16MC004 | AKHIL REGHUNATH | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 6 | 6 | 6 | 18 | 6 | 6 | 6 | 18 | 46 | B+ |
| 27 | NCE16MC005 | AMAL DAS | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 6 | 6 | 5 | 17 | 7 | 6 | 7 | 20 | 47 | A+ |
| 28 | NCE16MC009 | ANIL C A | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 7 | 6 | 7 | 20 | 7 | 7 | 6 | 20 | 50 | O |
| 29 | NCE16MC010 | ANSELM LINSON | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 4 | 4 | 4 | 12 | 7 | 6 | 7 | 20 | 42 | B |
| 30 | NCE16MC013 | ATHUL KRISHNA T J | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 6 | 6 | 7 | 19 | 7 | 7 | 6 | 20 | 49 | A+ |
| 31 | NCE16MC018 | GOVARDHAN P B | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 4 | 5 | 5 | 14 | 7 | 7 | 6 | 20 | 44 | B+ |
| 32 | NCE16MC021 | JITHIN CHERIAN | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 6 | 6 | 8 | 20 | 7 | 7 | 6 | 20 | 50 | O |
| 33 | NCE16MC023 | JITHIN T J | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 7 | 7 | 6 | 20 | 7 | 7 | 6 | 20 | 50 | O |
| 34 | NCE16MC027 | MUHAMMED BASIL S | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 6 | 6 | 6 | 18 | 6 | 6 | 6 | 18 | 46 | B+ |
| 35 | NCE16MC028 | MUHAMMED SHAFI K | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 6 | 6 | 6 | 18 | 6 | 6 | 4 | 16 | 44 | A |
| 36 | NCE16MC029 | NIKHIL | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 7 | 7 | 4 | 18 | 6 | 6 | 8 | 20 | 48 | A+ |
| 37 | NCE16MC031 | PRATHIBA P K | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 5 | 4 | 5 | 14 | 6 | 7 | 7 | 20 | 44 | A+ |
| 38 | NCE16MC032 | RAHUL RAMESH | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 6 | 5 | 6 | 17 | 7 | 6 | 7 | 20 | 47 | A+ |
| 39 | NCE16MC033 | RAMYES N | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 5 | 5 | 4 | 14 | 7 | 6 | 7 | 20 | 44 | B+ |
| 40 | NCE16MC034 | ROBIN JOSEPH | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 6 | 6 | 7 | 19 | 7 | 6 | 7 | 20 | 49 | A+ |
| 41 | NCE16MC036 | ROSHAN SATHAR | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 6 | 6 | 6 | 18 | 6 | 6 | 8 | 20 | 48 | A+ |
| 42 | NCE16MC037 | R VISHNU PRASATH | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 6 | 6 | 6 | 18 | 6 | 6 | 8 | 20 | 48 | A+ |
| 43 | NCE16MC041 | SIDHARTH S | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 7 | 6 | 7 | 20 | 6 | 6 | 8 | 20 | 50 | A+ |
| 44 | NCE16MC043 | SMRUTHI RANJITH | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 4 | 5 | 5 | 14 | 6 | 6 | 8 | 20 | 44 | O |
| 45 | NCE16MC044 | SREEHARI K NAIR | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 4 | 4 | 4 | 12 | 7 | 6 | 7 | 20 | 42 | B+ |
| 46 | NCE16MC047 | VISHNU P | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 5 | 4 | 4 | 14 | 6 | 6 | 4 | 16 | 40 | A |
| 47 | NCE16MC049 | VYSHNAV C V | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 6 | 5 | 5 | 17 | 6 | 7 | 7 | 20 | 47 | A+ |
| 48 | NCE16MC042 | SIMON THOMAS | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 4 | 4 | 5 | 13 | 6 | 7 | 7 | 20 | 43 | B |
| 49 | NCE16MC003 | AKASH KRISHNAN A | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 4 | 5 | 5 | 14 | 6 | 7 | 7 | 20 | 44 | A |



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 Calicut, India

| SL No. | Reg.No | Name | Assignment | | | | | | Series Test 1 | | | Series Test 2 | | | Series Test 1 | | Internal marks (50) | University Result |
|--------|------------|-------------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|------|------|---------------|----------|------|---------------|------|---------------------|-------------------|
| | | | Assignment 1 | Assignment 2 | Assignment 3 | Assignment 4 | Assignment 5 | Assignment 6 | Average (10) | CO 1 | CO 2 | CO 3 | Avg (20) | CO 4 | CO 5 | CO 6 | | |
| 50 | NCE16MC001 | ABDUL HAMEED V M | 10 | 10 | 10 | 10 | 10 | 10 | 5 | 5 | 4 | 14 | 6 | 7 | 7 | 20 | 44 | B+ |
| 51 | NCE16MC026 | JEROM MATHEW PAUL | 10 | 10 | 10 | 10 | 10 | 10 | 4 | 4 | 5 | 13 | 6 | 6 | 6 | 18 | 41 | F |
| 52 | NCE16EC019 | ATHUL GOPINATH | 10 | 10 | 10 | 10 | 10 | 10 | 3 | 3 | 2 | 8 | 6 | 6 | 5 | 17 | 35 | F |

| Course Outcomes | A1 | A2 | A3 | A4 | A5 | A6 |
|----------------------|-----|-----|-----|-----|-----|-----|
| Target (%) | 80 | 80 | 80 | 80 | 80 | 80 |
| % of target achieved | 100 | 100 | 100 | 100 | 100 | 100 |
| Score | 3 | 3 | 3 | 3 | 3 | 3 |

| CO1 | CO2 | CO3 |
|-----|-----|-----|
| 70 | 70 | 70 |
| 79 | 75 | 75 |
| 1 | 1 | 1 |

| CO4 | CO5 | CO6 |
|-----|-----|-----|
| 80 | 80 | 80 |
| 98 | 98 | 90 |
| 3 | 3 | 3 |

| INT | UNIV |
|------|------|
| 80 | 70 |
| 96.2 | 92.3 |
| 3 | 3 |

> 90 = 3
 > 80 = 2
 > 70 = 1

FACULTY
 P T RAJEENA MOL



HOB/EEE

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 Campady Thuvuvizhamalla Thriassur
 Pm 59f 567 Kerala

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Consolidated Mark Entry Sheet

Sub.Code: CS202
Sub.Name: COMPUTER ORGANIZATION AND ARCHITECTURE
Faculty Name: BABY V

Sem/Batch: 4/2017-2021
Year/Section: 2019/B.Tech

Dept: CSE
Marks: 50

Academic Year: 2018-2019

| S.No | Reg.No | Students Name | ST:01 | | | | ST:02 | | | | Assignment | | | | Total Avg | University result | Grade Point |
|------|------------|---------------------|-------|------|-----|-----|-------|------|-----|-----|------------|------|-----|-----|--------------|----------------------|----------------|
| | | | CO:1 | CO:2 | Tot | Avg | CO:3 | CO:4 | Tot | Avg | CO:5 | CO:6 | Tot | Avg | | | |
| | | | 20 | 20 | 40 | 20 | 20 | 20 | 40 | 20 | 30 | 30 | 60 | 10 | | | |
| 1 | NCE17CS001 | ADITH S | 10 | 10 | 20 | 10 | 17 | 10 | 27 | 14 | 26 | 27 | 53 | 9 | 33 | B | 7 |
| 2 | NCE17CS002 | AFSEENA A | 18 | 18 | 36 | 18 | 7 | 14 | 21 | 11 | 30 | 28 | 58 | 10 | 39 | B | 7 |
| 3 | NCE17CS003 | AISWARYA M | 20 | 15 | 35 | 18 | 12 | 12 | 24 | 12 | 27 | 27 | 54 | 9 | 39 | B+ | 8 |
| 4 | NCE17CS004 | AKARSH K MURTHY | 11 | 3 | 14 | 7 | 9 | 12 | 21 | 11 | 30 | 30 | 60 | 10 | 28 | C | 6 |
| 5 | NCE17CS005 | AKSHAY SANKER M | 17 | 14 | 31 | 16 | 12 | 14 | 26 | 13 | 27 | 27 | 54 | 9 | 38 | B+ | 8 |
| 6 | NCE17CS006 | AMRUTHA R | 19 | 16 | 35 | 18 | 13 | 18 | 31 | 16 | 28 | 28 | 56 | 9 | 43 | B+ | 8 |
| 7 | NCE17CS009 | ANUPAMA V S | 13 | 18 | 31 | 16 | 16 | 5 | 21 | 11 | 28 | 28 | 56 | 9 | 36 | B | 7 |
| 8 | NCE17CS010 | C SILPA | 18 | 14 | 32 | 16 | 8 | 17 | 25 | 13 | 28 | 27 | 55 | 9 | 38 | B | 7 |
| 9 | NCE17CS011 | DEEPIKA R | 17 | 12 | 29 | 15 | 13 | 9 | 22 | 11 | 26 | 28 | 54 | 9 | 35 | B | 7 |
| 10 | NCE17CS012 | DEVIKA S NAIR | 20 | 20 | 40 | 20 | 15 | 20 | 35 | 18 | 27 | 27 | 54 | 9 | 47 | B | 7 |
| 11 | NCE17CS013 | DIVYA P | 19 | 17 | 36 | 18 | 16 | 20 | 36 | 18 | 28 | 29 | 57 | 10 | 46 | B+ | 8 |
| 12 | NCE17CS014 | FATHIMA NASREEN K H | 18 | 20 | 38 | 19 | 13 | 16 | 29 | 15 | 28 | 30 | 58 | 10 | 44 | B+ | 8 |
| 13 | NCE17CS015 | GOUTHAM GOPINATH | 14 | 20 | 34 | 17 | 13 | 18 | 31 | 16 | 23 | 28 | 51 | 9 | 42 | B | 7 |
| 14 | NCE17CS016 | LEENU MATHEW | 18 | 19 | 37 | 19 | 20 | 15 | 35 | 18 | 30 | 30 | 60 | 10 | 47 | O | 10 |
| 15 | NCE17CS017 | LIKHA | 14 | 9 | 23 | 12 | 10 | 19 | 29 | 15 | 28 | 28 | 56 | 9 | 36 | B | 7 |
| 16 | NCE17CS018 | NISHANA N | 15 | 19 | 34 | 17 | 17 | 18 | 35 | 18 | 28 | 29 | 57 | 10 | 45 | B+ | 8 |
| 17 | NCE17CS019 | RISNA C M | 20 | 13 | 33 | 17 | 15 | 14 | 29 | 15 | 30 | 28 | 58 | 10 | 42 | B | 7 |
| 18 | NCE17CS020 | ROHIT BHASKAR UDAY | 19 | 10 | 29 | 15 | 13 | 16 | 29 | 15 | 30 | 25 | 55 | 9 | 39 | B+ | 8 |
| 19 | NCE17CS021 | SAHILA K | 19 | 15 | 34 | 17 | 13 | 17 | 30 | 15 | 27 | 30 | 57 | 10 | 42 | B+ | 8 |
| 20 | NCE17CS022 | A H | 10 | 4 | 14 | 7 | 7 | 12 | 19 | 10 | 25 | 18 | 43 | 7 | 24 | C | 6 |
| 21 | NCE17CS023 | SHIBILA S | 9 | 11 | 20 | 10 | 11 | 10 | 21 | 11 | 27 | 29 | 56 | 9 | 30 | C | 6 |
| 22 | NCE17CS024 | SHINU | 20 | 16 | 36 | 18 | 19 | 15 | 34 | 17 | 29 | 29 | 58 | 10 | 45 | A+ | 9 |
| 23 | NCE17CS025 | SILPA M S | 9 | 18 | 27 | 14 | 17 | 16 | 33 | 17 | 30 | 30 | 60 | 10 | 41 | B | 7 |
| 24 | NCE17CS027 | S SUHAILA | 19 | 14 | 33 | 17 | 8 | 14 | 22 | 11 | 28 | 29 | 57 | 10 | 38 | B | 7 |
| 25 | NCE17CS028 | VIPINDAS V R | 12 | 7 | 19 | 10 | 11 | 10 | 21 | 11 | 30 | 29 | 59 | 10 | 31 | C | 6 |
| 26 | NCE17CS029 | VISHNU H | 17 | 10 | 27 | 14 | 13 | 12 | 25 | 13 | 27 | 27 | 54 | 9 | 36 | B | 7 |

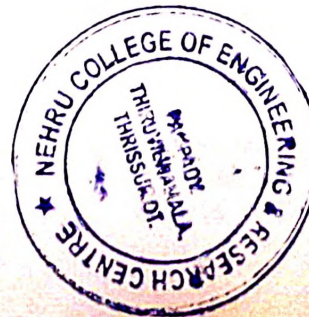
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| | | | | | | | | | | | | | | | | | |
|----|------------------|-----------------------|--------|--------|-------|--------|-------|-------|--------|------|-------|-------|------|--------|--------|----|-----|
| 27 | NCE16CS091 | Rasikh Mohammed K | 9 | 13 | 22 | 11 | 7 | 13 | 20 | 10 | 30 | 30 | 60 | 10 | 31 | C | 6 |
| 28 | NCE16CS092 | Reema N.b | 8 | 12 | 20 | 10 | 6 | 12 | 18 | 9 | 30 | 30 | 60 | 10 | 29 | C | 6 |
| 29 | NCE16CS093 | Renjith Krishna Menon | 10 | 15 | 25 | 13 | 11 | 21 | 32 | 16 | 30 | 27 | 57 | 9 | 38 | B+ | 8 |
| 30 | NCE16CS094 | Reshma | 13 | 19 | 32 | 16 | 12 | 24 | 36 | 18 | 30 | 27 | 57 | 9 | 43 | B+ | 8 |
| 31 | NCE16CS096 | Rohith.tr | 12 | 17 | 29 | 15 | 11 | 21 | 32 | 16 | 30 | 27 | 57 | 9 | 40 | B+ | 8 |
| 32 | NCE16CS097 | Roshin Sosa Philip | 12 | 19 | 31 | 16 | 9 | 19 | 28 | 14 | 30 | 30 | 60 | 10 | 40 | B+ | 8 |
| 33 | NCE16CS099 | Shafeeq Rahman C P | 9 | 14 | 23 | 12 | 2 | 4 | 6 | 3 | 30 | 24 | 54 | 9 | 24 | AB | 0 |
| 34 | NCE16CS100 | Shahad S | 13 | 19 | 32 | 16 | 8 | 16 | 24 | 12 | 30 | 30 | 60 | 10 | 38 | B+ | 8 |
| 35 | NCE16CS101 | Shahina V | 12 | 19 | 31 | 16 | 9 | 17 | 26 | 13 | 30 | 30 | 60 | 10 | 39 | B | 7 |
| 36 | NCE16CS102 | Shree Parvathy Devi M | 11 | 16 | 27 | 14 | 6 | 12 | 18 | 9 | 27 | 30 | 57 | 9 | 32 | C | 6 |
| 37 | NCE16CS103 | Sivarajan M | 12 | 19 | 31 | 16 | 11 | 23 | 34 | 17 | 30 | 27 | 57 | 10 | 43 | B+ | 8 |
| 38 | NCE16CS104 | Sneha T | 14 | 21 | 35 | 18 | 12 | 24 | 36 | 18 | 30 | 27 | 57 | 9 | 46 | A+ | 9 |
| 39 | NCE16CS105 | Sreejith D Nair | 10 | 15 | 25 | 13 | 9 | 19 | 28 | 14 | 30 | 30 | 60 | 10 | 38 | B | 7 |
| 40 | NCE16CS107 | Sreeju S | 12 | 17 | 29 | 15 | 10 | 20 | 30 | 15 | 30 | 30 | 60 | 10 | 40 | B | 7 |
| 41 | NCE16CS108 | Sreelakshmi Girisan | 14 | 20 | 34 | 17 | 10 | 20 | 30 | 15 | 30 | 30 | 60 | 10 | 42 | A | 8.5 |
| 42 | NCE16CS109 | Sreelakshmi T V | 14 | 20 | 34 | 17 | 12 | 24 | 36 | 18 | 30 | 30 | 60 | 10 | 45 | B+ | 8 |
| 43 | NCE16CS110 | Sreeshma M | 10 | 14 | 24 | 12 | 10 | 20 | 30 | 15 | 30 | 18 | 48 | 7 | 35 | C | 6 |
| 44 | NCE16CS111 | Srinath G | 9 | 13 | 22 | 11 | 7 | 13 | 20 | 10 | 30 | 30 | 60 | 10 | 31 | F | 0 |
| 45 | NCE16CS112 | Surjith Shankar S | 10 | 14 | 24 | 12 | 4 | 8 | 12 | 6 | 30 | 30 | 60 | 10 | 28 | F | 0 |
| 46 | NCE16CS113 | Swetha N V | 10 | 16 | 26 | 13 | 8 | 16 | 24 | 12 | 30 | 30 | 60 | 10 | 35 | B+ | 8 |
| 47 | NCE16CS114 | Thasini A | 10 | 16 | 26 | 13 | 10 | 20 | 30 | 15 | 30 | 30 | 60 | 10 | 38 | B | 7 |
| 48 | NCE16CS115 | Ummer Hashim M | 6 | 10 | 16 | 8 | 3 | 7 | 10 | 5 | 30 | 24 | 54 | 8 | 25 | AB | 0 |
| 49 | NCE16CS116 | Vani Suresh | 9 | 14 | 23 | 12 | 8 | 16 | 24 | 12 | 30 | 30 | 60 | 10 | 34 | F | 0 |
| 50 | NCE16CS117 | Vignesh.c.r | 11 | 16 | 27 | 14 | 10 | 20 | 30 | 15 | 30 | 30 | 60 | 10 | 39 | B | 7 |
| 51 | NCE16CS118 | Vinayak Dev M | 9 | 14 | 23 | 12 | 7 | 13 | 20 | 10 | 30 | 27 | 57 | 9 | 31 | F | 0 |
| 52 | NCE16CS119 | Vishnuprasad E | 9 | 13 | 22 | 11 | 9 | 19 | 28 | 14 | 30 | 24 | 54 | 8 | 33 | B | 7 |
| 53 | NCE16CS121 | Vydehi K | 12 | 19 | 31 | 16 | 9 | 17 | 26 | 13 | 27 | 30 | 57 | 9 | 38 | B+ | 8 |
| | AVERAGE(20) | | 11 | 16 | 27 | 13 | 9 | 17 | 25 | 13 | 30 | 28 | 57 | 9 | 36 | | 36 |
| | AVERAGE(3) | | 1.6177 | 2.4266 | 2.022 | 2.0222 | 1.294 | 2.521 | 1.9104 | 1.91 | 2.977 | 2.768 | 2.87 | 2.7849 | 2.1396 | | |
| | ATTAINMENT LEVEL | | 1.618 | 2.4266 | | | 1.294 | 2.521 | | | 2.977 | 2.768 | | | | | |

| COURSE OUTCOME | CO1 | CO2 | CO3 | CO4 | CO5 | CO6 | |
|----------------|-----|-----|-----|-----|-----|-----|-----|
| TARGET | 2 | 2 | 2 | 2 | 2 | 2 | 70% |
| ATTAINMENT | 2 | 3 | 2 | 3 | 3 | 3 | 75% |

| * ATTAINMENT | VALUE |
|--------------|-------|
| LOW | 1 |
| MEDIUM | 2 |
| HIGH | 3 |




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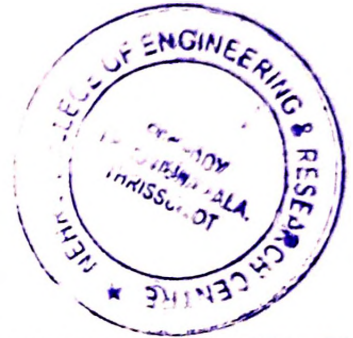
Consolidated Mark Entry Sheet

Sem/ Batch III 2016-19
Year/Section II

Sub Code: RL/MCA 231
Sub-Name: DATABASE LAB
Faculty Name: Ms Dheeya

| S.No | Register No | Name of the Student | Expt | | | | | | | | | | Internal Marks | University Results | | |
|------|-------------|------------------------|--------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|---------|----------------|--------------------|----|----|
| | | | Expt 1 Marks for experiment 70 | Expt 2 | Expt 3 | Expt 4 | Expt 5 | Expt 6 | Expt 7 | Expt 8 | Expt 9 | Expt 10 | | | | |
| 1 | NCE16MCA1 | AISWARYA C | 66 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | O |
| 2 | NCE16MCA2 | AISWARYA M A | 66 | 68 | 65 | 69 | 66 | 66 | 66 | 68 | 67 | 67 | 67 | 67 | 67 | O |
| 3 | NCE16MCA3 | AISWARYA RAJENDRAN | 66 | 50 | 52 | 49 | 53 | 48 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | B+ |
| 4 | NCE16MCA4 | AMUDA K | 66 | 65 | 68 | 66 | 66 | 69 | 68 | 67 | 67 | 67 | 67 | 67 | 67 | O |
| 5 | NCE16MCA5 | ATHIRA K | 61 | 62 | 58 | 63 | 57 | 59 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | A |
| 6 | NCE16MCA6 | HARITHA K S | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | O |
| 7 | NCE16MCA7 | JIJIN P | 51 | 50 | 53 | 49 | 55 | 51 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | B+ |
| 8 | NCE16MCA8 | KARISHMA K | 50 | 52 | 49 | 48 | 53 | 54 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | B+ |
| 9 | NCE16MCA9 | MEERAN | 65 | 68 | 67 | 64 | 69 | 63 | 66 | 66 | 66 | 66 | 66 | 66 | 66 | O |
| 10 | NCE16MCA10 | MEHAZA NAJEEB | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | O |
| 11 | NCE16MCA11 | MOHAMED MUSTHAFA P | 57 | 53 | 56 | 52 | 58 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | A |
| 12 | NCE16MCA12 | MOUNIKA V | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | O |
| 13 | NCE16MCA13 | M SUKANYA | 70 | 68 | 69 | 69 | 69 | 70 | 68 | 69 | 68 | 69 | 68 | 69 | 68 | O |
| 14 | NCE16MCA15 | RESHMA M | 67 | 69 | 68 | 69 | 67 | 67 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | O |
| 15 | NCE16MCA16 | RESHMI R | 66 | 65 | 68 | 66 | 69 | 68 | 67 | 68 | 67 | 68 | 67 | 68 | 67 | O |
| 16 | NCE16MCA18 | SHIVIN WILSON N | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | O |
| 17 | NCE16MCA19 | SHYAM M S | 61 | 62 | 58 | 63 | 57 | 59 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | A |
| 18 | NCE16MCA20 | SILINA K WILSON | 70 | 68 | 69 | 69 | 70 | 68 | 69 | 68 | 69 | 68 | 69 | 68 | 69 | O |
| 19 | NCE16MCA21 | SIRIL M R | 60 | 55 | 56 | 61 | 59 | 57 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | A |
| 20 | NCE16MCA22 | SREELAKSHMI C | 69 | 67 | 68 | 69 | 67 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | O |
| 21 | NCE16MCA23 | SREENATH M P | 59 | 65 | 63 | 60 | 64 | 61 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | A |
| 22 | NCE16MCA24 | SRUTHY M | 61 | 62 | 58 | 63 | 57 | 59 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | A |
| 23 | NCE16MCA25 | STEPHY SEBASTIAN | 70 | 68 | 69 | 69 | 70 | 68 | 69 | 68 | 69 | 68 | 69 | 68 | 69 | O |
| 24 | NCE16MCA26 | SUMILA S | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | O |
| 25 | NCE16MCA27 | THANISHA NASRIN A | 70 | 68 | 69 | 69 | 70 | 68 | 69 | 68 | 69 | 68 | 69 | 68 | 69 | O |
| 26 | NCE16MCA28 | VINDHUJA V | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | O |
| 27 | NCE16MCA29 | VINI C V | 48 | 49 | 52 | 47 | 51 | 53 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | B+ |
| 28 | NCE16MCA30 | AISWARYA T JANARDHANAN | 66 | 62 | 60 | 64 | 65 | 61 | 63 | 63 | 63 | 63 | 63 | 63 | 63 | O |
| 29 | NCE16MCA031 | AKSHAYA K R | 66 | 62 | 60 | 64 | 65 | 61 | 63 | 63 | 63 | 63 | 63 | 63 | 63 | A+ |
| 30 | NCE16MCA032 | ANAS H | 53 | 49 | 48 | 52 | 54 | 50 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | B+ |
| 31 | NCE16MCA033 | BEXY ABRAHAM | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | O |
| 32 | NCE16MCA034 | JAYASREE P M | 51 | 50 | 53 | 49 | 55 | 54 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | B+ |
| 33 | NCE16MCA035 | KEERTHI C | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | O |
| 34 | NCE16MCA036 | RESHMA V | 59 | 65 | 63 | 64 | 60 | 61 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | A+ |
| 35 | NCE16MCA037 | RILY C RIMSON | 59 | 65 | 63 | 60 | 64 | 61 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | A+ |
| 36 | NCE16MCA038 | SHIFANA M | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | O |
| 37 | NCE16MCA039 | SRUTHI M | 65 | 61 | 63 | 67 | 66 | 62 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | A+ |

| Course Outcomes | Expt 1 | Expt 2 | Expt 3 | Expt 4 | Expt 5 | Expt 6 | Int | Unit Results |
|----------------------|--------|--------|--------|--------|--------|--------|------|--------------|
| Target (%) | 60 | 60 | 60 | 60 | 60 | 60 | 80 | 70 |
| % of target achieved | 73.0 | 78.4 | 70.3 | 81.1 | 97.3 | 100.0 | 81.1 | 100 |
| Score | 2 | 2 | 2 | 3 | 3 | 3 | 2 | 3 |



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(Accredited by NAAC)

Consolidated Mark Entry Sheet

Sem/Batch: III / 2016-19

Year/Section: II



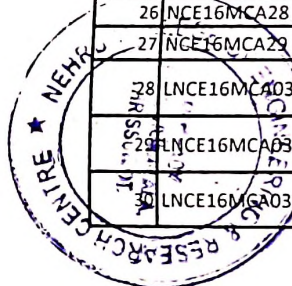
Dept. MCA

Marks: 40

Academic Year: 2017-18

Sub.Code: RL MCA 203
Sub.Name: Software Engineering
Faculty Name: Pramod K

| S.No | Reg.No | Name of the Student | SI 01 | | | | | | SI 02 | | | | | | Assignment | | | | | | Total Internal | University results |
|------|------------|------------------------|-------|----|------|----|-----|------|-------|-----|------|----|-----|------|------------|-----|------|-----|-----|-----|----------------|--------------------|
| | | | CO:1 | | CO:2 | | Tot | Avg | CO:3 | | CO:4 | | Tot | Avg | CO:5 | | CO:6 | | Tot | Avg | | |
| | | | 15 | % | 15 | % | 30 | 15 | 15 | % | 15 | % | 30 | 15 | 5 | % | 5 | % | 10 | 10 | | |
| 1 | NCE16MCA1 | AISWARYA C | 13 | 87 | 12 | 80 | 25 | 12.5 | 12 | 80 | 13 | 87 | 25 | 12.5 | 5 | 100 | 4 | 100 | 9 | 9 | 34 | A |
| 2 | NCE16MCA2 | AISWARYA M A | 13 | 87 | 13 | 87 | 26 | 13 | 14 | 93 | 14 | 93 | 28 | 14 | 5 | 100 | 5 | 100 | 10 | 10 | 37 | B+ |
| 3 | NCE16MCA3 | AISWARYA RAJENDRAN | 12 | 80 | 13 | 87 | 25 | 12.5 | 13 | 87 | 12 | 80 | 25 | 12.5 | 5 | 100 | 5 | 100 | 10 | 10 | 35 | B- |
| 4 | NCE16MCA4 | AMUDA K | 14 | 93 | 13 | 87 | 27 | 13.5 | 13 | 87 | 14 | 93 | 27 | 13.5 | 5 | 100 | 5 | 100 | 10 | 10 | 37 | B |
| 5 | NCE16MCA5 | ATHIRA K | 13 | 87 | 13 | 87 | 26 | 13 | 14 | 93 | 12 | 80 | 26 | 13 | 5 | 100 | 5 | 100 | 10 | 10 | 36 | B |
| 6 | NCE16MCA6 | HARITHA K S | 14 | 93 | 14 | 93 | 28 | 14 | 14 | 93 | 14 | 93 | 28 | 14 | 5 | 100 | 5 | 97 | 10 | 10 | 38 | A- |
| 7 | NCE16MCA7 | JIJIN P | 13 | 87 | 13 | 87 | 26 | 13 | 14 | 93 | 14 | 93 | 28 | 14 | 5 | 100 | 5 | 100 | 10 | 10 | 37 | B- |
| 8 | NCE16MCA8 | KARISHMA K | 10 | 67 | 8 | 53 | 18 | 9 | 15 | 100 | 7 | 47 | 22 | 11 | 5 | 100 | 5 | 100 | 10 | 10 | 30 | A |
| 9 | NCE16MCA9 | MEERA N | 13 | 87 | 12 | 80 | 25 | 12.5 | 12 | 80 | 13 | 87 | 25 | 12.5 | 5 | 100 | 4 | 100 | 9 | 9 | 34 | B |
| 10 | NCE16MCA10 | MEHAZA NAJEEB | 14 | 93 | 14 | 93 | 28 | 14 | 14 | 93 | 14 | 93 | 28 | 14 | 5 | 100 | 5 | 97 | 10 | 10 | 38 | B- |
| 11 | NCE16MCA11 | MOHAMED MUSTHAFA P | 13 | 87 | 13 | 87 | 26 | 13 | 14 | 93 | 12 | 80 | 26 | 13 | 5 | 100 | 5 | 100 | 10 | 10 | 36 | C |
| 12 | NCE16MCA12 | MOUNIKA V | 14 | 93 | 14 | 93 | 28 | 14 | 14 | 93 | 14 | 93 | 28 | 14 | 5 | 100 | 5 | 97 | 10 | 10 | 38 | A- |
| 13 | NCE16MCA13 | M SUKANYA | 14 | 93 | 14 | 93 | 28 | 14 | 14 | 93 | 14 | 93 | 28 | 14 | 5 | 100 | 5 | 97 | 10 | 10 | 38 | A |
| 14 | NCE16MCA15 | RESHMA M | 14 | 93 | 14 | 93 | 28 | 14 | 14 | 93 | 14 | 93 | 28 | 14 | 5 | 100 | 5 | 97 | 10 | 10 | 38 | A- |
| 15 | NCE16MCA16 | RESHMI R | 13 | 87 | 13 | 87 | 26 | 13 | 14 | 93 | 14 | 93 | 28 | 14 | 5 | 100 | 5 | 100 | 10 | 10 | 37 | A |
| 16 | NCE16MCA18 | SHIVIN WILSON N | 13 | 87 | 13 | 87 | 26 | 13 | 14 | 93 | 12 | 80 | 26 | 13 | 5 | 100 | 5 | 100 | 10 | 10 | 36 | C |
| 17 | NCE16MCA19 | SHYAM M S | 12 | 80 | 13 | 87 | 25 | 12.5 | 13 | 87 | 12 | 80 | 25 | 12.5 | 5 | 100 | 5 | 100 | 10 | 10 | 35 | B |
| 18 | NCE16MCA20 | SILNA K WILSON | 13 | 87 | 12 | 80 | 25 | 12.5 | 12 | 80 | 13 | 87 | 25 | 12.5 | 5 | 100 | 4 | 100 | 9 | 9 | 34 | F |
| 19 | NCE16MCA21 | SIRIL M R | 13 | 87 | 13 | 87 | 26 | 13 | 14 | 93 | 14 | 93 | 28 | 14 | 5 | 100 | 5 | 100 | 10 | 10 | 37 | B |
| 20 | NCE16MCA22 | SREELAKSHMI C | 14 | 93 | 14 | 93 | 28 | 14 | 14 | 93 | 14 | 93 | 28 | 14 | 5 | 100 | 5 | 97 | 10 | 10 | 38 | A- |
| 21 | NCE16MCA23 | SREENATH M P | 13 | 87 | 12 | 80 | 25 | 12.5 | 12 | 80 | 13 | 87 | 25 | 12.5 | 5 | 100 | 4 | 100 | 9 | 9 | 34 | F |
| 22 | NCE16MCA24 | SRUTHY M | 12 | 80 | 13 | 87 | 25 | 12.5 | 13 | 87 | 12 | 80 | 25 | 12.5 | 5 | 100 | 5 | 100 | 10 | 10 | 35 | B |
| 23 | NCE16MCA25 | STEPHY SEBASTIAN | 13 | 87 | 13 | 87 | 26 | 13 | 14 | 93 | 14 | 93 | 28 | 14 | 5 | 100 | 5 | 100 | 10 | 10 | 37 | B- |
| 24 | NCE16MCA26 | SUMILA S | 13 | 87 | 13 | 87 | 26 | 13 | 14 | 93 | 14 | 93 | 28 | 14 | 5 | 100 | 5 | 100 | 10 | 10 | 37 | B |
| 25 | NCE16MCA27 | THANSIHA NASRIN A | 13 | 87 | 13 | 87 | 26 | 13 | 14 | 93 | 14 | 93 | 28 | 14 | 5 | 100 | 5 | 100 | 10 | 10 | 37 | B |
| 26 | NCE16MCA28 | VINDHUJA V | 13 | 87 | 13 | 87 | 26 | 13 | 14 | 93 | 12 | 80 | 26 | 13 | 5 | 100 | 5 | 100 | 10 | 10 | 36 | B- |
| 27 | NCE16MCA29 | VINI C V | 13 | 87 | 13 | 87 | 26 | 13 | 14 | 93 | 12 | 80 | 26 | 13 | 5 | 100 | 5 | 100 | 10 | 10 | 36 | B- |
| 28 | NCE16MCA30 | AISWARYA T JANARDHANAN | 13 | 87 | 13 | 87 | 26 | 13 | 14 | 93 | 14 | 93 | 28 | 14 | 5 | 100 | 5 | 100 | 10 | 10 | 37 | B- |
| 29 | NCE16MCA31 | AKSHAYA K R | 14 | 93 | 14 | 93 | 28 | 14 | 14 | 93 | 14 | 93 | 28 | 14 | 5 | 100 | 5 | 97 | 10 | 10 | 38 | A |
| 30 | NCE16MCA37 | ANAS H | 10 | 67 | 10 | 67 | 20 | 10 | 14 | 93 | 10 | 67 | 24 | 12 | 5 | 100 | 5 | 100 | 10 | 10 | 34 | F |



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|----|--------------|---------------|----|----|----|----|----|----|----|-----|----|----|----|----|---|-----|---|-----|----|----|----|---|
| 32 | LNCE16MCA034 | JAYASREE P M | 10 | 67 | 8 | 53 | 18 | 9 | 15 | 100 | 7 | 47 | 22 | 11 | 5 | 100 | 5 | 100 | 10 | 10 | 30 | B |
| 33 | LNCE16MCA035 | KEERTHI C | 13 | 87 | 13 | 87 | 26 | 13 | 14 | 93 | 14 | 93 | 28 | 14 | 5 | 100 | 5 | 100 | 10 | 10 | 37 | B |
| 34 | LNCE16MCA036 | RESHMA V | 13 | 87 | 13 | 87 | 26 | 13 | 14 | 93 | 14 | 93 | 28 | 14 | 5 | 100 | 5 | 100 | 10 | 10 | 37 | B |
| 35 | LNCE16MCA037 | RILY C RIMSON | 14 | 93 | 14 | 93 | 28 | 14 | 14 | 93 | 14 | 93 | 28 | 14 | 5 | 100 | 5 | 97 | 10 | 10 | 38 | B |
| 36 | LNCE16MCA038 | SHIFANA M | 13 | 87 | 13 | 87 | 26 | 13 | 14 | 93 | 14 | 93 | 28 | 14 | 5 | 100 | 5 | 100 | 10 | 10 | 37 | B |
| 37 | LNCE16MCA039 | SRUTHI M | 14 | 93 | 14 | 93 | 28 | 14 | 14 | 93 | 14 | 93 | 28 | 14 | 5 | 100 | 5 | 97 | 10 | 10 | 38 | B |
| 38 | LNCEMCA033 | BHEXY ABRAHAM | 14 | 93 | 14 | 93 | 28 | 14 | 14 | 93 | 14 | 93 | 28 | 14 | 5 | 100 | 5 | 97 | 10 | 10 | 38 | B |

| Course Outcomes | CO1 | CO2 | CO3 | CO4 | CO5 | CO6 | Univ Results |
|----------------------|------|------|------|------|-------|-------|--------------|
| Target (%) | 70 | 90 | 85 | 90 | 70 | 80 | 90 |
| % of target achieved | 95.0 | 74.0 | 90.0 | 56.0 | 100.0 | 100.0 | 92.3 |
| Score | 3 | 2 | 3 | 1 | 3 | 3 | 3 |




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(Accredited by NAAC)



Consolidated Mark Entry Sheet

Sub.Code: MR451

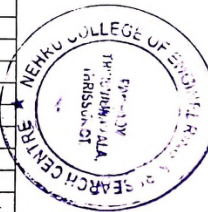
Sub.Name: Seminar & Project Preliminary

Faculty Name: Mr. Midhun Raj

Sem/Batch: S7 / 2016-20

Year/Section: IV

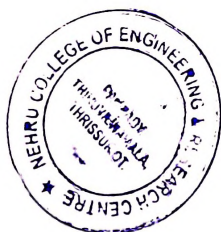
| S.No | Register No | Name of the Student | Review I | Review II | Internal Marks | University Results | Grade Points |
|------|-------------|----------------------|----------|-----------|----------------|--------------------|--------------|
| | | | 50 | 50 | | 100 | |
| 1 | NCE16MC001 | ABDUL HAMEED V M | 43 | 39 | 82 | A | 8.5 |
| 2 | NCE16MC002 | ADITH SUNDER C | 48 | 47 | 95 | O | 10 |
| 3 | NCE16MC003 | AKASHIKRISHNAN A | 45 | 41 | 86 | A+ | 9 |
| 4 | NCE16MC004 | AKHIL REGHUNATH | 45 | 43 | 88 | A+ | 9 |
| 5 | NCE16MC005 | AMAL DAS T S | 40 | 39 | 79 | B+ | 8 |
| 7 | NCE16MC008 | AMAL M A | 41 | 40 | 81 | A | 8.5 |
| 8 | NCE16MC009 | ANIL C A | 48 | 47 | 95 | O | 10 |
| 9 | NCE16MC010 | ANSELM LINSON | 40 | 41 | 81 | A | 8.5 |
| 10 | NCE16MC011 | ANTONY KOMBAN WINSON | 44 | 40 | 84 | A | 8.5 |
| 11 | NCE16MC013 | ATHULKRISHNA M J | 48 | 46 | 94 | O | 10 |
| 12 | NCE16MC014 | BASIL JOY | 38 | 39 | 77 | B+ | 8 |
| 14 | NCE16MC016 | C R ATHUL SREERAJ | 39 | 39 | 78 | B+ | 8 |
| 15 | NCE16MC018 | GOVARDHAN P B | 40 | 40 | 80 | A | 8.5 |
| 16 | NCE16MC019 | ISSAC K JOY | 46 | 47 | 93 | O | 10 |
| 18 | NCE16MC021 | JITHIN CHIRIAN | 47 | 46 | 93 | O | 10 |
| 19 | NCE16MC023 | JITHIN T J | 48 | 47 | 95 | O | 10 |
| 20 | NCE16MC025 | KIRANDEV K S | 39 | 40 | 79 | B+ | 8 |
| 21 | NCE16MC026 | MIRRI DANIEL ROY | 43 | 44 | 87 | A+ | 9 |
| 22 | NCE16MC027 | MUHAMMAD BASIL S | 42 | 41 | 83 | A | 8.5 |
| 23 | NCE16MC028 | MUHAMMAD SHAFI K | 45 | 44 | 89 | A+ | 9 |
| 24 | NCE16MC029 | NIKHIL | 45 | 45 | 90 | O | 10 |
| 25 | NCE16MC030 | NOURIN | 44 | 41 | 85 | A+ | 9 |
| 26 | NCE16MC031 | PRATHIBHA P K | 43 | 41 | 84 | A | 8.5 |
| 27 | NCE16MC032 | RAMJI RAMISHI | 45 | 43 | 88 | A+ | 9 |
| 28 | NCE16MC033 | RAMIJS N | 45 | 43 | 88 | A+ | 9 |
| 29 | NCE16MC034 | ROBIN JOSEPH | 47 | 44 | 91 | O | 10 |
| 30 | NCE16MC036 | ROSHAN SATHAR A | 45 | 41 | 86 | A+ | 9 |
| 31 | NCE16MC037 | R VISHNU PRASATH | 45 | 43 | 88 | A+ | 9 |
| 32 | NCE16MC038 | SANJAY S | 42 | 37 | 79 | B+ | 8 |
| 33 | NCE16MC039 | SHAMMID S | 43 | 44 | 87 | A+ | 9 |




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|----|-------------|-------------------------|----|----|----|----|-----|
| 34 | NCE16MC040 | SHAIROOQUE SHAIHAHAN | 48 | 46 | 94 | O | 10 |
| 35 | NCE16MC041 | SIDHARTH S | 49 | 45 | 94 | O | 10 |
| 36 | NCE16MC042 | SIMON THOMAS | 44 | 40 | 84 | A | 8.5 |
| 37 | NCE16MC043 | SMRUTHI RANJITH | 43 | 47 | 90 | O | 10 |
| 38 | NCE16MC044 | SREETHARI K NAIR | 44 | 41 | 85 | A+ | 9 |
| 39 | NCE16MC045 | SUMITH P S | 41 | 39 | 80 | A | 8.5 |
| 40 | NCE16MC046 | VIKAS V | 45 | 45 | 90 | O | 10 |
| 41 | NCE16MC047 | VISHNU P | 48 | 47 | 95 | O | 10 |
| 42 | NCE16MC048 | VISHNU PRAKASH V | 42 | 38 | 80 | A | 8.5 |
| 43 | NCE16MC049 | VYSHNAV C V | 47 | 46 | 93 | O | 10 |
| 44 | LNCE16MC050 | MIDHUN HEADLEY LAWRANCE | 43 | 43 | 86 | A+ | 9 |
| 45 | NCE15MC026 | JEROM MATHEW PAUL | 42 | 40 | 82 | A | 8.5 |

| Course Outcomes | Review I | Review II | Internal Marks | Grade Points |
|----------------------|----------|-----------|----------------|--------------|
| Target (%) | 80 | 80 | 80 | 80 |
| % of target achieved | 86.6 | 71.1 | 82.2 | 88.8 |
| Score | 3 | 2 | 3 | 3 |




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(Accredited by NAAC)



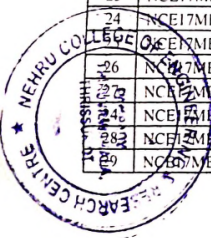
Consolidated Mark Entry Sheet

Sub.Code: 52
Sub.Name: Major Project
Project Co-ordinator: Ms.Chandra Kala. K.R

MBA Trimester 6 2017-19 Batch
2018-19 MBA

Department : MBA
Marks : 100
Academic Year 2018-19

| S.No | Register No | Name of the Student | First Draft | 2nd Draft | Total | Presentatation | Presentatation | Presentatation | Average | Total | Internal Marks | External Marks | University Results |
|------|-------------|---------------------|-------------|-----------|-------|----------------|----------------|----------------|---------|-------|----------------|----------------|--------------------|
| | | | 25 | 25 | 50 | 50 | 50 | 50 | | 100 | 40 | 60 | 100 |
| 1 | NCE17MBA01 | ABHIJITH A U | 22 | 24 | 46 | 21 | 36 | 38 | 32 | 78 | 37 | 38 | 75 |
| 2 | NCE17MBA02 | ABHINA C MOHAN | 15 | 20 | 35 | 24 | 40 | 40 | 35 | 70 | 28 | 42 | 70 |
| 3 | NCE17MBA04 | AKHILA K JOY | 15 | 21 | 36 | 22 | 38 | 38 | 33 | 69 | 29 | 39 | 68 |
| 4 | NCE17MBA05 | ANAS T | 10 | 20 | 30 | 19 | 29 | 34 | 27 | 57 | 24 | 33 | 57 |
| 5 | NCE17MBA06 | ANJALI C V | 15 | 23 | 38 | 20 | 30 | 36 | 29 | 67 | 30 | 34 | 65 |
| 6 | NCE17MBA07 | ANJANA A VARIAR | 15 | 24 | 39 | 23 | 32 | 38 | 31 | 70 | 31 | 37 | 68 |
| 7 | NCE17MBA08 | ANJITHA RAJAN | 22 | 24 | 46 | 30 | 38 | 38 | 35 | 81 | 37 | 42 | 79 |
| 8 | NCE17MBA09 | ANSAR K | 20 | 15 | 35 | 18 | 25 | 30 | 24 | 59 | 28 | 29 | 57 |
| 9 | NCE17MBA10 | ARCHANA A V | 15 | 24 | 39 | 27 | 34 | 38 | 33 | 72 | 31 | 40 | 71 |
| 10 | NCE17MBA11 | ASAD A | 15 | 20 | 35 | 26 | 32 | 38 | 32 | 67 | 28 | 38 | 66 |
| 11 | NCE17MBA12 | ASWATHI A S | 15 | 18 | 33 | 18 | 28 | 35 | 27 | 60 | 26 | 32 | 58 |
| 12 | NCE17MBA13 | ASWIN K | 5 | 23 | 28 | 20 | 32 | 38 | 30 | 58 | 22 | 36 | 58 |
| 13 | NCE17MBA14 | DANY SCARIAH ELIAS | 10 | 20 | 30 | 20 | 32 | 38 | 30 | 60 | 24 | 30 | 54 |
| 14 | NCE17MBA16 | DHANESH K | 10 | 21 | 31 | 23 | 32 | 35 | 30 | 61 | 25 | 36 | 61 |
| 15 | NCE17MBA17 | DRISYA K | 10 | 20 | 30 | 21 | 35 | 40 | 32 | 62 | 24 | 38 | 62 |
| 16 | NCE17MBA18 | FABEENA P K | 9 | 22 | 31 | 20 | 32 | 38 | 30 | 61 | 25 | 36 | 61 |
| 17 | NCE17MBA19 | FATHIMA Y | 21 | 24 | 45 | 22 | 30 | 35 | 29 | 74 | 36 | 35 | 71 |
| 18 | NCE17MBA20 | GAYATHRI P R | 22 | 23 | 45 | 24 | 38 | 40 | 34 | 74 | 36 | 41 | 77 |
| 19 | NCE17MBA21 | GREESHMA K R | 10 | 18 | 28 | 20 | 32 | 40 | 31 | 59 | 22 | 37 | 59 |
| 20 | NCE17MBA22 | HARITHA P R | 22 | 20 | 42 | 18 | 30 | 35 | 28 | 70 | 34 | 33 | 67 |
| 21 | NCE17MBA23 | HARSHASANKAR | 15 | 20 | 42 | 18 | 30 | 25 | 38 | 35 | 28 | 39 | 67 |
| 22 | NCE17MBA25 | JANISHREENAJABBAR | 20 | 18 | 38 | 18 | 28 | 25 | 24 | 62 | 30 | 28 | 58 |
| 23 | NCE17MBA26 | JIBIN I JOSEPH | 20 | 19 | 39 | 23 | 28 | 30 | 27 | 64 | 30 | 31 | 61 |
| 24 | NCE17MBA27 | JITHESH K | 5 | 16 | 21 | 38 | 38 | 25 | 34 | 55 | 19 | 38 | 57 |
| 25 | NCE17MBA28 | JUSTIN P CHERIAN | 12 | 18 | 30 | 30 | 36 | 40 | 35 | 65 | 24 | 42 | 66 |
| 26 | NCE17MBA29 | KRISHNA L JIMON | 16 | 22 | 38 | 19 | 32 | 30 | 27 | 65 | 30 | 32 | 62 |
| 27 | NCE17MBA30 | MANU K V | 0 | 21 | 21 | 35 | 38 | 28 | 34 | 55 | 19 | 38 | 57 |
| 28 | NCE17MBA32 | MUHAMMED FAISAL A | 16 | 22 | 38 | 24 | 32 | 30 | 29 | 62 | 30 | 34 | 64 |
| 29 | NCE17MBA33 | NARAYAN P T | 0 | 21 | 21 | 21 | 33 | 38 | 34 | 55 | 19 | 38 | 57 |
| 30 | NCE17MBA34 | RESHMA P R | 16 | 23 | 39 | 28 | 36 | 35 | 33 | 72 | 31 | 40 | 71 |



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|----|------------|----------------|----|----|----|----|----|----|----|----|----|----|----|
| 30 | NCE17MBA35 | RUIIMA | 20 | 18 | 38 | 22 | 35 | 35 | 31 | 69 | 30 | 37 | 67 |
| 31 | NCE17MBA36 | SHIBLA S | 15 | 20 | 35 | 22 | 35 | 35 | 33 | 68 | 28 | 39 | 67 |
| 32 | NCE17MBA37 | SHIFNA A | 18 | 19 | 37 | 35 | 38 | 38 | 37 | 74 | 30 | 44 | 74 |
| 33 | NCE17MBA38 | SIKHA M | 15 | 16 | 31 | 18 | 28 | 28 | 25 | 56 | 25 | 30 | 55 |
| 34 | NCE17MBA39 | SREENATH O K | 10 | 10 | 20 | 35 | 36 | 34 | 35 | 55 | 19 | 39 | 58 |
| 35 | NCE17MBA40 | SUDHISAGAR T G | 12 | 16 | 28 | 30 | 36 | 40 | 35 | 63 | 22 | 42 | 64 |
| 36 | NCE17MBA41 | SUGATHAN K P | 0 | 18 | 18 | 40 | 42 | 28 | 37 | 55 | 19 | 39 | 58 |
| 37 | NCE17MBA42 | SUKANYA U | 4 | 15 | 19 | 42 | 42 | 25 | 36 | 55 | 19 | 44 | 60 |
| 38 | NCE17MBA43 | SUMESH K V | 10 | 5 | 15 | 40 | 40 | 40 | 40 | 55 | 19 | 41 | 60 |
| 39 | NCE17MBA44 | SWAPNA B K | 20 | 18 | 38 | 25 | 35 | 25 | 28 | 66 | 30 | 34 | 64 |
| 40 | NCE17MBA45 | VISHNU SAHESH | 12 | 10 | 22 | 40 | 40 | 20 | 33 | 55 | 19 | 39 | 58 |
| 41 | JCE16MBA30 | RAFEENASHERNA | 15 | 11 | 26 | 30 | 35 | 22 | 29 | 55 | 21 | 35 | 56 |

| Course Outcome | Project T6 | First Draft | Second Draft | Average | Presentation | Presentation | Presentation | Internal marks | University Results |
|----------------------|------------|-------------|--------------|---------|--------------|--------------|--------------|----------------|--------------------|
| Target (%) | | 60 | 70 | 75 | 50 | 50 | 50 | 60 | 60 |
| % of target achieved | | 70 | 80 | 75 | 70 | 100 | 90 | 90 | 70 |
| Score | | 1 | 2 | 1 | 1 | 3 | 3 | 3 | 1 |

| | |
|--------|---|
| 90-100 | 3 |
| 80-89 | 2 |
| 70-79 | 1 |



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Consolidated Mark Entry Sheet

Sub.Code: 52

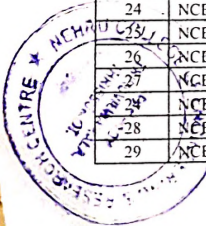
Sub.Name: Major Project

Project Co-ordinator: Ms.Chandra Kala K.R

MBA Trimester 6 (2017-19 Batch)
2018-19 MBA

Department : MBA
Marks : 100
Academic Year : 2018-19

| S.No | Register No | Name of the Student | First Draft | 2nd Draft | Total | Presenta tion | Presenta tion | Presenta tion | Avera ge | Total | Internal Marks | Internal Marks | University Results |
|------|-------------|---------------------|-------------|-----------|-------|------------------|------------------|------------------|-------------|-------|-------------------|-------------------|-----------------------|
| | | | 25 | 25 | 50 | 50 | 50 | 50 | 50 | 100 | 40 | 60 | 100 |
| 1 | NCE17MBA01 | ABHIJITH A U | 22 | 24 | 46 | 21 | 36 | 38 | 32 | 78 | 37 | 38 | 75 |
| 2 | NCE17MBA02 | ABHINA C MOHAN | 15 | 20 | 35 | 24 | 40 | 40 | 35 | 70 | 28 | 42 | 70 |
| 3 | NCE17MBA04 | AKHILA K JOY | 15 | 21 | 36 | 22 | 38 | 38 | 33 | 69 | 29 | 39 | 68 |
| 4 | NCE17MBA05 | ANAS T | 10 | 20 | 30 | 19 | 29 | 34 | 27 | 57 | 24 | 33 | 57 |
| 5 | NCE17MBA06 | ANJALI C V | 15 | 23 | 38 | 20 | 30 | 36 | 29 | 67 | 30 | 34 | 65 |
| 6 | NCE17MBA07 | ANJANA A VARIAR | 15 | 24 | 39 | 23 | 32 | 38 | 31 | 70 | 31 | 37 | 68 |
| 7 | NCE17MBA08 | ANJITHA RAJAN | 22 | 24 | 46 | 30 | 38 | 38 | 35 | 81 | 37 | 42 | 79 |
| 8 | NCE17MBA09 | ANSAR K | 20 | 15 | 35 | 18 | 25 | 30 | 24 | 59 | 28 | 29 | 57 |
| 9 | NCE17MBA10 | ARCHANA A V | 15 | 24 | 39 | 27 | 34 | 38 | 33 | 72 | 31 | 40 | 71 |
| 10 | NCE17MBA11 | ASAD A | 15 | 20 | 35 | 26 | 32 | 38 | 32 | 67 | 28 | 38 | 66 |
| 11 | NCE17MBA12 | ASWATHI A S | 15 | 18 | 33 | 18 | 28 | 35 | 27 | 60 | 26 | 32 | 58 |
| 12 | NCE17MBA13 | ASWIN K | 5 | 23 | 28 | 20 | 32 | 38 | 30 | 58 | 22 | 36 | 58 |
| 13 | NCE17MBA14 | DANY SCARIAH ELIAS | 10 | 20 | 30 | 20 | 32 | 38 | 30 | 60 | 24 | 30 | 54 |
| 14 | NCE17MBA16 | DHANESH K | 10 | 21 | 31 | 23 | 32 | 35 | 30 | 61 | 25 | 36 | 61 |
| 15 | NCE17MBA17 | DRISYA K | 10 | 20 | 30 | 21 | 35 | 40 | 32 | 62 | 24 | 38 | 62 |
| 16 | NCE17MBA18 | FABEENA P K | 9 | 22 | 31 | 20 | 32 | 38 | 30 | 61 | 25 | 36 | 61 |
| 17 | NCE17MBA19 | FATHIMA Y | 21 | 24 | 45 | 22 | 30 | 35 | 29 | 74 | 36 | 35 | 71 |
| 18 | NCE17MBA20 | GAYATHRI P R | 22 | 23 | 45 | 24 | 38 | 40 | 34 | 74 | 36 | 41 | 77 |
| 19 | NCE17MBA21 | GREESHMA K R | 10 | 18 | 28 | 20 | 32 | 40 | 31 | 59 | 22 | 37 | 59 |
| 20 | NCE17MBA22 | HARITHA P R | 22 | 20 | 42 | 18 | 30 | 35 | 28 | 70 | 34 | 33 | 67 |
| 21 | NCE17MBA23 | HARSHASANKAR | 15 | 20 | 42 | 18 | 30 | 25 | 38 | 35 | 28 | 39 | 67 |
| 22 | NCE17MBA25 | JANSHREENAJABBAR | 20 | 18 | 38 | 18 | 28 | 25 | 24 | 62 | 30 | 28 | 58 |
| 23 | NCE17MBA26 | JIBIN T JOSEPH | 20 | 19 | 39 | 23 | 28 | 30 | 27 | 64 | 30 | 31 | 61 |
| 24 | NCE17MBA27 | JITHESH K | 5 | 16 | 21 | 38 | 38 | 25 | 34 | 55 | 19 | 38 | 57 |
| 25 | NCE17MBA28 | JUSTIN P CHERIAN | 12 | 18 | 30 | 30 | 36 | 40 | 35 | 65 | 24 | 42 | 66 |
| 26 | NCE17MBA29 | KRISHNA LIJIMON | 16 | 22 | 38 | 19 | 32 | 30 | 27 | 65 | 30 | 32 | 62 |
| 27 | NCE17MBA30 | MANU K V | 0 | 21 | 21 | 35 | 38 | 28 | 34 | 55 | 19 | 38 | 57 |
| 28 | NCE17MBA32 | MUHAMMED FAISAL A | 16 | 22 | 38 | 24 | 32 | 30 | 29 | 62 | 30 | 34 | 64 |
| 28 | NCE17MBA33 | NARAYAN P T | 0 | 21 | 21 | 21 | 33 | 38 | 34 | 55 | 19 | 38 | 57 |
| 29 | NCE17MBA34 | RESHMA P R | 16 | 23 | 39 | 28 | 36 | 35 | 33 | 72 | 31 | 40 | 71 |



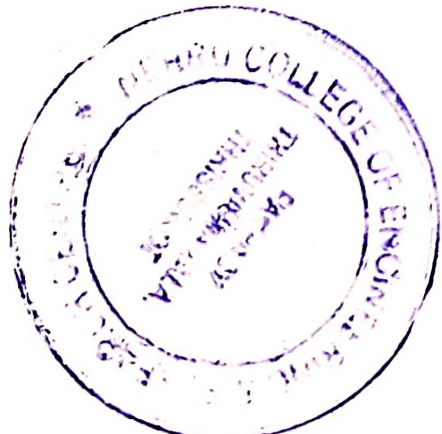
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Kerala

| | | | | | | | | | | | | | |
|----|------------|----------------|----|----|----|----|----|----|----|----|----|----|----|
| 30 | NCE17MBA35 | RUHMA | 20 | 18 | 38 | 22 | 35 | 35 | 31 | 69 | 30 | 37 | 67 |
| 31 | NCE17MBA36 | SHIBLA S | 15 | 20 | 35 | 22 | 35 | 35 | 33 | 68 | 28 | 39 | 67 |
| 32 | NCE17MBA37 | SHIFNA A | 18 | 19 | 37 | 35 | 38 | 38 | 37 | 74 | 30 | 44 | 74 |
| 33 | NCE17MBA38 | SIKHA M | 15 | 16 | 31 | 18 | 28 | 28 | 25 | 56 | 25 | 30 | 55 |
| 34 | NCE17MBA39 | SREENATH O K | 10 | 10 | 20 | 35 | 36 | 34 | 35 | 55 | 19 | 39 | 58 |
| 35 | NCE17MBA40 | SUDHISAGAR T G | 12 | 16 | 28 | 30 | 36 | 40 | 35 | 63 | 22 | 42 | 64 |
| 36 | NCE17MBA41 | SUGATHAN K P | 0 | 18 | 18 | 40 | 42 | 28 | 37 | 55 | 19 | 39 | 58 |
| 37 | NCE17MBA42 | SUKANYA U | 4 | 15 | 19 | 42 | 42 | 25 | 36 | 55 | 19 | 44 | 60 |
| 38 | NCE17MBA43 | SUMESH K V | 10 | 5 | 15 | 40 | 40 | 40 | 40 | 55 | 19 | 41 | 60 |
| 39 | NCE17MBA44 | SWAPNA B K | 20 | 18 | 38 | 25 | 35 | 25 | 28 | 66 | 30 | 34 | 64 |
| 40 | NCE17MBA45 | VISHNU SAIESH | 12 | 10 | 22 | 40 | 40 | 20 | 33 | 55 | 19 | 39 | 58 |
| 41 | JCE16MBA30 | RAFEENASHERNA | 15 | 11 | 26 | 30 | 35 | 22 | 29 | 55 | 21 | 35 | 56 |

| Course Outcomes | Project T6 | First Draft | Second Draft | Average | Presentation | Present ation | Prese ntatio n | Inter nal marks | Univer si ty Results |
|----------------------|------------|-------------|--------------|---------|--------------|---------------|----------------|-----------------|----------------------|
| Target (%) | | 60 | 70 | 70 | 50 | 50 | 50 | 60 | 60 |
| % of target achieved | | 70 | 80 | 75 | 60 | 100 | 90 | 90 | 70 |
| Score | | 1 | 3 | 1 | 0 | 3 | 3 | 3 | 1 |

| | |
|---------|---|
| 90 -100 | 3 |
| 80-89 | 2 |
| 70-79 | 1 |




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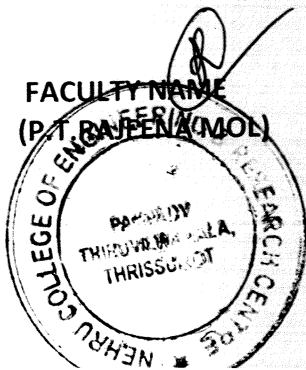
SERIES TEST - 2 (2018-19)

EE494 Instrumentation Systems



| Semester: VIII | Programme: B.TECH | Max. Mark: 40 | Date: |
|--|--|--------------------------|----------------|
| Course Code & Name: EE494 Instrumentation Systems | | Duration: 90 MINS | SET : ONE |
| Knowledge Level (KL) | K1 : Remembering | K3: Applying | K5: Evaluating |
| Course Outcome Level(COL) | K2: Understanding | K4: Analysing | K6: Creating |
| Part A | | 4 x5 = 20 Marks | |
| Answer all questions | | | |
| Sl.No | Questions | KL/COL | |
| 1 | Summarize the various pressure measuring devices. | K2/CO3 | |
| 2 | Examine the importance of manometers in measurement systems. | K4/CO3 | |
| 3 | Compare between vacuum, low, medium and high pressure measurements. | K4/CO4 | |
| 4 | Summarize the various sound measuring devices. | K2/CO4 | |
| Part B | | 2 x 10 = 20 Marks | |
| Answer any TWO questions | | | |
| 5 | Design an instrumentation system using dead weight gages. (OR) | K6/CO3 | |
| 6 | Design an instrumentation system to measure sound. | K6/CO3 | |
| 7 | Design an instrumentation system to measure pressure using resistive and inductive transducer. (OR) | K6/CO4 | |
| 8 | Construct an instrumentation system for the measurement of flow using Turbine Meters. | K6/CO4 | |

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(P.T. RAJESH/K.MOL)



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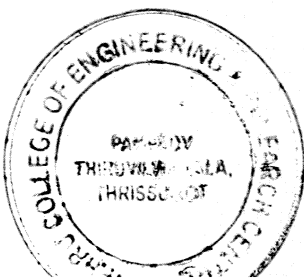
Question paper quality assessment using Blooms taxonomy

RUBRICS

| Blooms taxonomy Definitions | Scale |
|--------------------------------|-------|
| Remembering | 1 |
| Understanding | 2 |
| Applying | 3 |
| Analyzing | 4 |
| Evaluating | 5 |
| Creating | 6 |

Questions to Blooms taxonomy mapping

| Question Number | Marks | Remembering | Understanding | Applying | Analyzing | Evaluating | Creating |
|--------------------|-------|-------------|---------------|----------|-----------|------------|----------|
| 1 | 5 | | √ | | | | |
| 2 | 5 | | | | √ | | |
| 3 | 5 | | | | √ | | |
| 4 | 5 | | √ | | | | |
| 5 | 10 | | | | | | √ |
| 6 | 10 | | | | | | √ |
| 7 | 10 | | | | | | √ |
| 8 | 10 | | | | | | √ |



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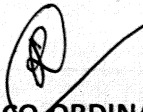
EVALUATION OF QUALITY OF QUESTION PAPER USING BLOOMS TAXONOMY

| Blooms taxonomy definitions | Scale | Marks | Rating(out of 6) |
|-----------------------------|-------|-------|------------------|
| Remembering | 1 | | 5 |
| Understanding | 2 | 10 | |
| Applying | 3 | | |
| Analyzing | 4 | 10 | |
| Evaluating | 5 | | |
| Creating | 6 | 40 | |

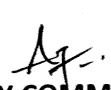
CO MAPPING WITH QUESTIONS

| COs | T1 | T2 | T3 | A1 | A2 |
|--------|----|--------------------------|----|----|----|
| C494.1 | | | | | |
| C494.2 | | | | | |
| C494.3 | | Q(1), Q(2),Q(5), Q(6) | | | |
| C494.4 | | Q(3), Q(4), Q(7) | | | |
| C494.5 | | | | | |
| C494.6 | | | | | |

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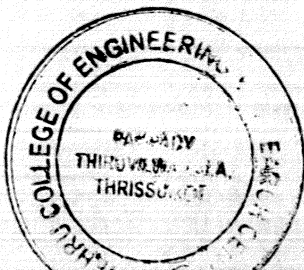
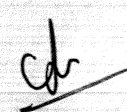
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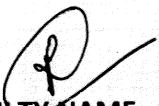
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SERIES TEST - 2 (2018-19)

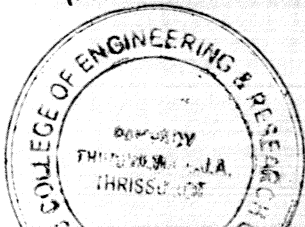
EE494 Instrumentation Systems

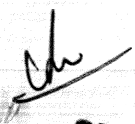


| | | | |
|---|--|---------------------|--------------------------|
| Semester:VIII | Programe:B.TECH | Max.Mark:40 | Date: |
| Course Code & Name:EE494 Instrumentation Systems | | Duration:90 MINS | SET : TWO |
| Knowledge Level (KL) | K1 : Remembering | K3:Applying | K5: Evaluating |
| Course Outcome Level(COL) | K2: Understanding | K4: Analysing | K6: Creating |
| Part A | | | 4 x 5 = 20 Marks |
| Answer all questions | | | |
| Sl.No | Questions | KL/COL | |
| 1 | Examine the standards used for pressure measurements. | K5/CO3 | |
| 2 | Categorize the dynamometers based on the type of absorption units. | K4/CO3 | |
| 3 | Define Gross Observed Volume and Gross Standard Volume. | K1/CO4 | |
| 4 | Summarize the various flow measuring devices. | K2/CO4 | |
| Part B | | | 2 x 10 = 20 Marks |
| Answer any TWO questions | | | |
| 5 | Design an instrumentation system to measure pressure using photoelectric and piezoelectric transducer. (OR) | K6/CO3 | |
| 6 | Build a system to measure torque using strain gauge. | K6/CO3 | |
| 7 | Design an instrumentation system to measure sound using Microphones. (OR) | K6/CO4 | |
| 8 | Construct an instrumentation system for the measurement of flow using Hot Wire Anemometers. | K6/CO4 | |


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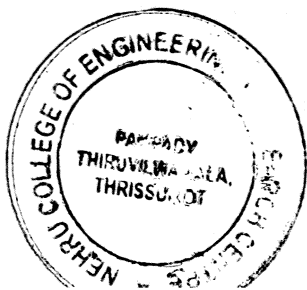
Question paper quality assessment using Blooms taxonomy


RUBRICS

| Blooms taxonomy Definitions | Scale |
|-----------------------------|-------|
| Remembering | 1 |
| Understanding | 2 |
| Applying | 3 |
| Analyzing | 4 |
| Evaluating | 5 |
| Creating | 6 |

Questions to Blooms taxonomy mapping

| Question Number | Marks | Remembering | Understanding | Applying | Analyzing | Evaluating | Creating |
|-----------------|-------|-------------|---------------|----------|-----------|------------|----------|
| 1 | 5 | | | | | v | |
| 2 | 5 | | | | v | | |
| 3 | 5 | v | | | | | |
| 4 | 5 | | v | | | | |
| 5 | 10 | | | | | | v |
| 6 | 10 | | | | | | v |
| 7 | 10 | | | | | | v |
| 8 | 10 | | | | | | v |




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EVALUATION OF QUALITY OF QUESTION PAPER USING BLOOMS TAXONOMY

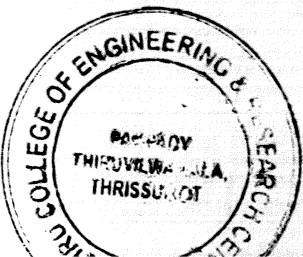
| Blooms taxonomy definitions | Scale | Marks | Rating(out of 6) |
|-----------------------------|-------|-------|------------------|
| Remembering | 1 | 5 | 5 |
| Understanding | 2 | 5 | |
| Applying | 3 | | |
| Analyzing | 4 | 5 | |
| Evaluating | 5 | 5 | |
| Creating | 6 | 40 | |

CO MAPPING WITH QUESTIONS

| COs | T1 | T2 | T3 | A1 | A2 |
|--------|----|--------------------------|----|----|----|
| C494.1 | | | | | |
| C494.2 | | | | | |
| C494.3 | | Q(1), Q(2),Q(5), Q(6) | | | |
| C494.4 | | Q(3), Q(4), Q(7),Q(8) | | | |
| C494.5 | | | | | |
| C494.6 | | | | | |

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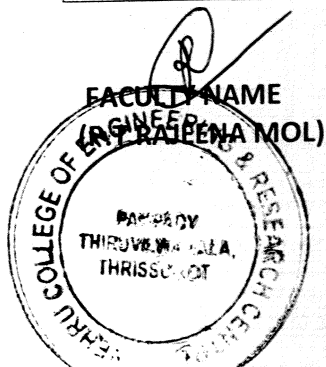
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SERIES TEST - 2 (2018-19)

EE494 Instrumentation Systems



| | | | |
|---|--|---------------------|--------------------------|
| Semester:VIII | Programe:B.TECH | Max.Mark:40 | Date: |
| Course Code & Name:EE494 Instrumentation Systems | | Duration:90 MINS | SET : THREE |
| Knowledge Level (KL) | K1 : Remembering | K3:Applying | K5: Evaluating |
| Course Outcome Level(COL) | K2: Understanding | K4: Analysing | K6: Creating |
| Part A | | | 4 x 5 = 20 Marks |
| Answer all questions | | | |
| Sl.No | Questions | KL/COL | |
| 1 | Judge the importance of capacitive transducers for measuring pressure. | K5/CO3 | |
| 2 | Build a system to measure sound using optical fibre transducer. | K6/CO3 | |
| 3 | Define Net Observed Volume and Net Standard Volume. | K1/CO4 | |
| 4 | Design a bridge circuit using thermistors for the measurement of flow. | K6/CO4 | |
| Part B | | | 2 x 10 = 20 Marks |
| Answer any TWO questions | | | |
| 5 | Build a system to measure torque and rotational speed using dynamometer. (OR) | K6/CO3 | |
| 6 | Design an instrumentation system using dead weight gages. | K6/CO3 | |
| 7 | Design an instrumentation system to measure vacuum pressure. (OR) | K6/CO4 | |
| 8 | Design an instrumentation system to measure low pressure. | K6/CO4 | |



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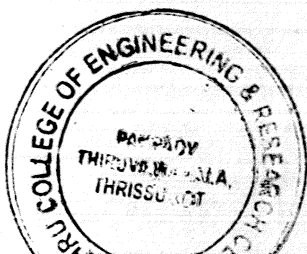
Question paper quality assessment using Blooms taxonomy

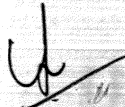
RUBRICS

| Blooms taxonomy Definitions | Scale |
|-----------------------------|-------|
| Remembering | 1 |
| Understanding | 2 |
| Applying | 3 |
| Analyzing | 4 |
| Evaluating | 5 |
| Creating | 6 |

Questions to Blooms taxonomy mapping

| Question Number | Marks | Remembering | Understanding | Applying | Analyzing | Evaluating | Creating |
|-----------------|-------|-------------|---------------|----------|-----------|------------|----------|
| 1 | 5 | | | | | √ | |
| 2 | 5 | | | | | | √ |
| 3 | 5 | √ | | | | | |
| 4 | 5 | | | | | | √ |
| 5 | 10 | | | | | | √ |
| 6 | 10 | | | | | | √ |
| 7 | 10 | | | | | | √ |
| 8 | 10 | | | | | | √ |




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EVALUATION OF QUALITY OF QUESTION PAPER USING BLOOMS TAXONOMY


| Blooms taxonomy definitions | Scale | Marks | Rating(out of 6) |
|-----------------------------|-------|-------|------------------|
| Remembering | 1 | 5 | 5.5 |
| Understanding | 2 | | |
| Applying | 3 | | |
| Analyzing | 4 | | |
| Evaluating | 5 | 5 | |
| Creating | 6 | 50 | |

CO MAPPING WITH QUESTIONS

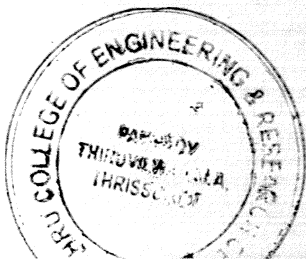
| COs | T1 | T2 | T3 | A1 | A2 |
|--------|----|---------------------------|----|----|----|
| C494.1 | | | | | |
| C494.2 | | | | | |
| C494.3 | | Q(1), Q(2), Q(5),Q(6) | | | |
| C494.4 | | Q(3), Q(4), Q(7), Q(8) | | | |
| C494.5 | | | | | |
| C494.6 | | | | | |

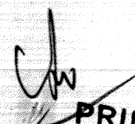
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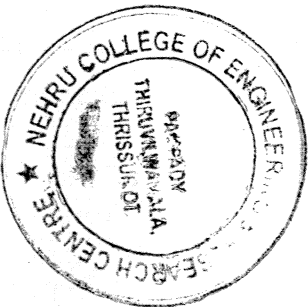
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SERIES TEST - II (2018-19)




| | | | |
|--|------------------------------|----------------------------|----------------|
| Semester: IV | Programme : B.TECH | Max.Mark:40 | Date: |
| Course Code & Name: ME 220 MANUFACTURING TECHNOLOGY | | Duration:90 MINS | SET : TWO |
| Knowledge Level (KL) | K1 : Remembering | K3:Applying | K5: Evaluating |
| Course Outcome Level(COL) | K2: Understanding | K4: Analysing | K6: Creating |

PART B (Answer Any Four Questions)

| | | |
|---|---|-----------|
| 1 | (a) Differentiate between Hot and Cold extrusion. (6M) (b) List forging defects? Write short note on any two forging defects. (4M) | K4,K2/CO3 |
| 2 | (a) With the aid of a sketch list the terminology for a forging die. (4M) (b) With the help of neat sketches, explain the differences between open die forging and closed die forging.(6M) | K3,K4/CO3 |
| 3 | Write shot note on the following forging methods: upsetting, fullering and edging. (3+3+4M) | K2/CO3 |

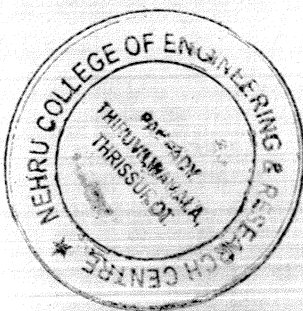




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Pin - 686 501, Kerala

| | | |
|---|--|-----------|
| 4 | <p>(a) Define the principles of clamping. Explain the various types of clamp used. (6M)</p> <p>(b) Explain 3-2-1 principle using a suitable example. (4M)</p> | K3,K2/CO4 |
| 5 | <p>(a) Write short note on the following location methods: Location from circular surfaces, concentric locating. (6M)</p> <p>(b) Define degree of freedom with a neat sketch. What are the advantages of locating a work piece? (4M)</p> | K2,K4/CO4 |
| 6 | <p>Describe with neat sketches the working principle of</p> <p>(a) Vacuum clamp. (5M)</p> <p>(b) Magnetic clamp. (5M)</p> | K4/CO4 |

FACULTY NAME: RAHUL R

SCRUTINY COMMITTEE CHAIRMAN :




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MODEL EXAMINATION
MT09705 (B) : COMPUTER INTEGRATED MANUFACTURING

Year / Semester & Branch : IV / S7
Faculty Name: RANJITH P N
Time : Three hours

B.Tech. MECHATRONICS
Exam Date: 21.10.2016
Max. Marks: 70 Marks

PART-A

Answer ALL Questions (5 x 2 = 10 Marks)

1. List out the advantages of NC
2. Explain classification of NC system
3. List out various types of commands used in APT language
4. Write notes on Programming languages
5. Features of Opitz classification

PART- B

Answer any FOUR Questions (4 x 5 = 20 Marks)

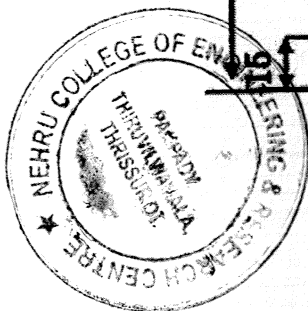
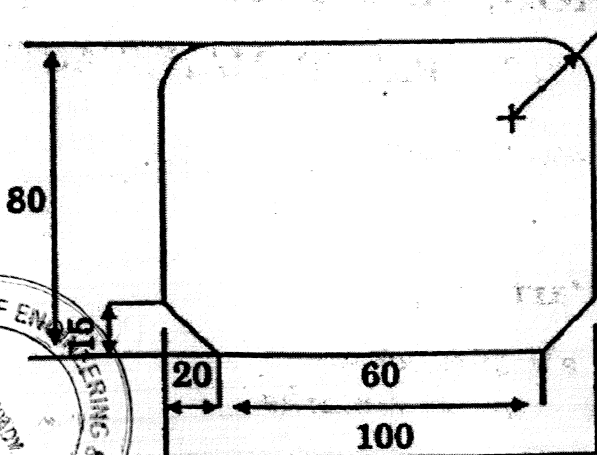
6. Describe briefly the closed loop system.
7. Distinguish between Point to point and countouring systems
8. Explain the working of post processor technology
9. Describe the advantages of Group Technology
10. What are the benefits of FMS ?
11. Write a note on end effectors of robots.

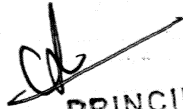
PART- C

Answer ALL Questions (4 x 10 = 40 Marks)

12. Describe briefly about features of Incremental and Absolute systems.
- OR**
13. Discuss the features of NC machine tools
 14. Write a part programme in APT for the part shown in figure below :

R 20 - BOTH SIDES




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OR

15. Explain the steps involved in manual part programming.

16. Discuss briefly the functions of computer control in CIM

OR

17. Discuss in detail about multiclass coding system in Group Technology .

18. Explain components of FMS

OR

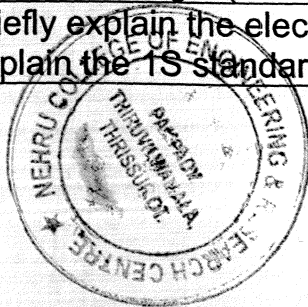
19. Briefly describe the control systems used in robots.



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 (Approved by AICTE, Affiliated to KTU University, Kerala)
 SRIES TEST - 1 (2018-19)

| Semester:S7 | Programe:B.TECH | Max.Mark:40 | Date: |
|---|--|---------------------|---------------|
| Course Code & Name:EE405 & Electrical System Design | | Duration: 90Minutes | SET : One |
| Knowledge Level (KL) | K1 : Remembering | K3:Applying | K5:Creating |
| Course Outcome (COL) | K2: Understanding | K4: Analysing | K6:Evaluation |
| Part – A, Answer ALL Questions. 4x5 = 20 Marks | | | |
| S.No | Questions | KL/COL | |
| 1 | Briefly explain the role of NEC in the design of installation. | K1/CO1 | |
| 2 | Mention the classification of voltages with their ranges. | K1/CO1 | |
| 3 | Describe safety equipments to be provided in domestic installation. | K2/CO2 | |
| 4 | Write the function of MCB, ELCB and MCCB. | K2/CO2 | |
| Part – B, Answer Any Two Questions. 2 x 10= 20 Marks | | | |
| 5 | . i. Discuss the relevant IE rules pertaining to the following. (a) Declared voltage and frequency of supply to consumer(3M) (b) Clearance between the nearest conductor and any part of the building for voltage up to and including 11 kV.(4M) (c) Minimum clearance above ground for a low voltage line crossing a street. (3M) | K3/CO1 | |
| 6 | Explain the design aspects of electrical installations in domestic buildings. (10 M) | K4/CO2 | |
| 7 | b) Briefly explain the electrical services in buildings.(6M) c) Explain the IS standards IS 2675.(4M) | K2/CO1 K1/CO1 | |



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NEHRU GROUP OF INSTITUTIONS, KERALA

SERIES TEST – II

EC100 BASICS OF ELECTRONICS ENGINEERING

Year / Semester & Branch : I / S1 B.Tech MTR,CSE(A&B)

Faculty Name:

Exam Date: /10/16

Max. Marks: 40

Time : 60 Min

PART-A

Answer ALL Questions (5 Marks)

1. State the key advantages of Negative feedback.
2. Define bandwidth of an amplifier.
3. What is meant by CMMR?

PART- B

Answer any THREE Questions (3 x 5 = 15 Marks)

4. Give the Block diagram description of a DC power supply.
5. With a neat circuit diagram explain the working of RC phase shift oscillator.
6. List of the parameters of ideal op-amp . Draw any two Op-amp circuits.
7. What is a public address system? Explain using a neat block diagram.



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SERIES TEST – I**

EE09 802: POWER SYSTEM PROTECTION AND ITS UTILIZATION

Year / Semester & Branch: IV / S8 B.Tech. Electrical & Electronics Engineering

Faculty Name: Rajesh P

Exam Date: 04.03.2016

Time: 90 Min

Max. Marks: 45

PART-A

Answer ALL Questions (5 x 2 = 10 Marks)

1. Define the term plug setting multiplier with respect to protective relaying.
2. Explain primary protection and back up protection.
3. Discuss the properties of SF₆ gas.
4. Explain the consequences of faults in a power system.
5. What are the essential qualities to be met by a protection scheme? Explain.

PART- B

Answer any THREE Questions (3 x 5 = 15 Marks)

6. Explain any one protection scheme of parallel lines.
7. Explain the following terms:(a) Restriking voltage, (b) Recovery voltage, (c) RRRV
8. A three phase circuit breaker is rated at 1250A, 2000MVA, 33Kv, 4 seconds. Find the rated symmetrical breaking current, making current and short time rating.
9. Explain the characteristics of an IDMT relay. Mention its applications.

PART- C

Answer ALL Questions (2 x 10 = 20 Marks)

10. Explain the construction and operation of Buchholz relay for the protection of transformers.

OR

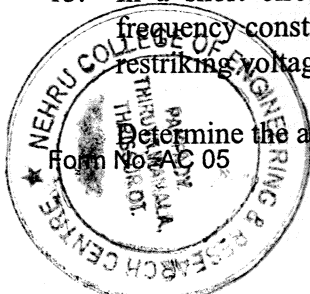
11. What are the difficulties encountered in providing a differential protection to a power transformer? How are they overcome?


12. With the help of neat sketch, explain the construction, principle of operation and working of air blast circuit breaker with its merits and demerits.

OR

13. In a short circuit test on a circuit breaker the following readings were obtained on single frequency constraint. (i) Time to reach the peak restriking voltage, 50microseconds. (ii) The peak restriking voltage, 100kV.

Determine the average RRRV and frequency of oscillations.




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Effective Date: 25.07.2013

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SERIES TEST – I

AM 09 802: VEHICLE MAINTENANCE AND TESTING

Year/Semester:IV / S8- B.Tech Automobile Engineering

Faculty Name: Mr. Rejumon R

Time: 90 Min

Exam Date:14.03.2017

Max. Marks: 45

PART-A

Answer ALL Questions (5 x 2 = 10Marks)

1. What is the main objective of maintenance?
2. Describe the term “top and major overhaul”
3. List out the benefits of preventive maintenance of vehicles.
4. Define the term clutch slip.
5. Classify the specific tools used for the overhauling of engine.

PART- B

Answer any THREE Questions (3 x 5 = 15 Marks)

6. Briefly explain about PDI chart?
7. Discuss the troubles involved in engine.
8. Explain the term ‘de-carbonizing’.
9. What is the use of transmission system? Explain its functions in details.

PART- C

Answer ALL Questions (2 x 10 = 20 Marks)

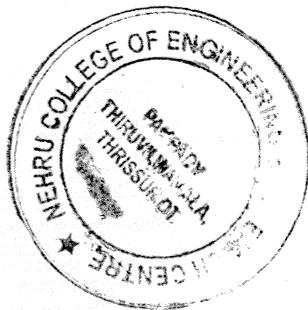
10. Explain about the complete overhauling of engine.


OR

11. Explain typical maintenance of two wheeler and LMV.
12. Give a detailed procedure for hydraulic brake adjustment.

OR

13. Explain the layout for service station with the help of suitable diagram




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SERIES TEST – I

AM14 305: ENGINEERING THERMODYNAMICS

Year / Semester & Branch :II / S3
Faculty Name: AJITH G
Time: 90 Min

B.Tech. Automobile Engineering
Exam Date: 18.04.2015
Max. Marks: 50

PART-A

*Answer any **FOUR** Questions (4 x 5 = 20 Marks)*

1. Define Quasi-static process.
2. What is the principle of increase of entropy?
3. What do you understand by concept of continuum?
4. Define a perpetual motion machine of second kind.
5. State and explain zeroth law of thermodynamics.
6. One kg of water at 273K is brought into contact with a heat reservoir at 373K. When the water has reached 373K, what is the entropy of
 - i. The water
 - ii. The heat reservoir, and
 - iii. The universe.

PART-B

*Answer **ALL** Questions (2 x 15 = 30 Marks)*

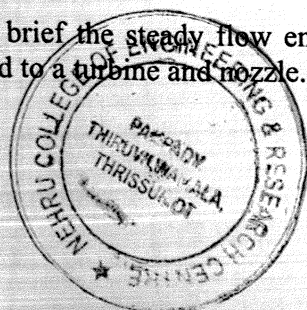
7. A) (i) Define a new thermodynamic scale say degree N, in which the freezing point and boiling point of water are 100°N and 300°N respectively. Correlate this temperature scale with centigrade scale.
A) (ii) Explain the causes of irreversibility.

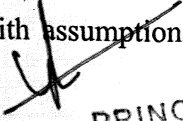
OR

- B) (i) Show that a violation of the Kelvin-Planck statement of the second law implies a violation of the Clausius statement
(ii) Define macroscopic approach and microscopic approach.
8. A) (i) State and prove Clausius inequality.
(ii) State and explain Zeroth law of thermodynamics.

OR

B) Describe in brief the steady flow energy equation with assumptions made. Deduce suitable expression applied to a turbine and nozzle.




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SERIES TEST – I

AM14 305: ENGINEERING THERMODYNAMICS

**Year / Semester & Branch :II / S3
Faculty Name: AJITH G
Time: 90 Min**

**B.Tech. Automobile Engineering
Exam Date: 19.08.2015
Max. Marks: 50**

PART-A

Answer any FOUR Questions (4 x 5 = 20 Marks)

1. One kg of water at 273K is brought into contact with a heat reservoir at 373K. When the water has reached 373K, what is the entropy of
 - i. The water
 - ii. The heat reservoir, and
 - iii. The universe.
2. What is the principle of increase of entropy?
3. What do you understand by concept of continuum?
4. Define a perpetual motion machine of first kind.
5. State and explain second law of thermodynamics.
6. Define quasi static process.

PART-B

Answer ALL Questions (2 x 15 = 30 Marks)

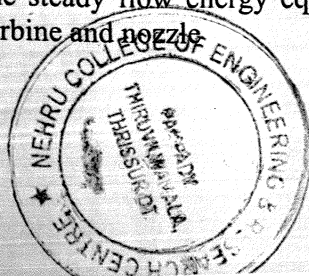
7. A) (i) Define a new thermodynamic scale say degree N, in which the freezing point and boiling point of water are 100°N and 300°N respectively. Correlate this temperature scale with centigrade scale.
A) (ii) Explain the causes of irreversibility.

OR

- B) (i) Show that a violation of the Kelvin-Planck statement of the second law implies a violation of the Clausius statement
(ii) Define macroscopic approach and microscopic approach.
8. A) Explain the following:
 - i) Carnot theorem
 - ii) Gibb's and Helmholtz functions.

OR

- B) Describe in brief the steady flow energy equation with assumptions made. Deduce suitable expression applied to a turbine and nozzle.



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SERIES TEST-I
08EE7013(C)-ENERGY EFFICIENT BUILDINGS

Year / Semester & Branch: III/S3 M.Tech Energy Systems

Faculty Name: Aruna N

Time: 60Min

Exam date: 08.09.16

Maximum: 20Marks

ANSWER ALL QUESTIONS
 (2x 10=20 Marks)

MODULE-III

1. a))With a neat sketch explain $\text{NH}_3\text{-H}_2\text{O}$ coolers (5marks)
 b) With a neat sketch explain intermittent absorption cooling (5marks)

OR

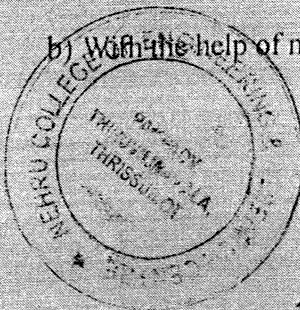
2. a) What is ventilation. Explain in detail about function of ventilation (5marks)
 b) What are the factors a designer should be followed for controlling the climatic conditions of out-door spaces in warm humid climates (5 marks)

MODULE-IV

3. a) Explain the meters and monitor for effective energy conservation in a building. (5Marks)
 b) Explain the major steps to be followed in the energy conservation of building. (5marks)

OR

4. Explain with a neat sketch
 a) What is passive heating system? Explain in detail about roof storage. (5marks)
 b) With the help of neat sketch explain convective loop passive solar heating (5marks)



Aruna N

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SERIES TEST - I

EC09 701: INFORMATION THEORY AND CODING

Year / Semester & Branch : IV / S7 B.Tech. Electronics and Communication Engineering
Faculty Name: S.B ERSHAD
Time : 90 Min

Exam Date: 31st JULY 2014
Max. Marks: 45

PART-A

Answer ALL Questions (5 x 2 = 10 Marks)

1. Explain the concept of information.
2. What is entropy?
3. Explain Kraft -inequality.
4. Define Primitive element.
5. Define Field.

PART- B

Answer any Three Questions (3 x 5 = 15 Marks)

6. Explain binary symmetric channel.
7. Explain Huffman coding algorithm.
8. State source coding and channel coding theorem.
9. Calculate the amount of information if binary digits occur with equal likelihood in a binary PCM system.

PART- C

Answer ALL Questions (2 x 10 = 20 Marks)

10. A source has five equally likely symbols. i) Construct a Shannon Fano code for this Source and find the entropy. ii) Construct another Shannon Fano code and Compare the Efficiency.

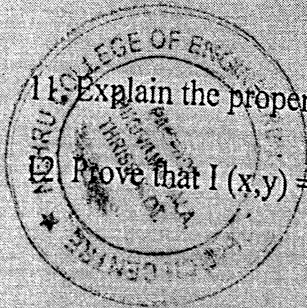
OR

11. Explain the properties of Galois Field.

Prove that $I(x,y) = H(x) + H(y) - H(x,y)$.

OR

13. State and prove Source coding Theorem.



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SERIES TEST - II

EC O9 504 : DIGITAL COMMUNICATION

Year / Semester & Branch : III / S5 B.Tech. ECE-B

Faculty Name: NITHIN.S.S

Time : 90 Min

Exam Date: 24/9/14

Max. Marks: 45

PART-A

Answer ALL Questions (5 x 2 = 10 Marks)

1. What is meant by pulse shaping?
2. Draw the ASK waveform.
3. Define descrambling.
4. Write short notes on AWGN channel.
5. Define optimum receiver.

PART-B

Answer any THREE Questions (3 x 5 = 15 Marks)

6. State and prove Schwarz inequality.
7. Explain eye diagram with suitable figures.
8. Explain maximum likelihood receiver.
9. With block diagram and waveform explain matched filter.

PART- C

Answer ALL Questions (2 x 10 = 20 Marks)

10. Derive the conversion of continuous AWGN channel to vector channel.

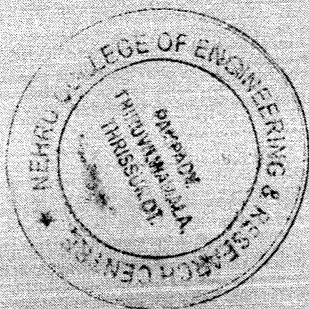
OR

11. Derive the Nyquist criterion for distortion less base binary transmission.

12. Explain scrambling and descrambling with suitable diagrams.

OR

13. Calculate the probability of error of BPSK and draw the signal space diagram.



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SERIES TEST – II

EE14 803: POWER SYSTEM PROTECTION

Year / Semester & Branch: IV / S8 B.Tech. Electrical & Electronics Engineering

Faculty Name: Rajesh P

Exam Date: 07.03.2018

Time: 60 Min

Max. Marks: 25

PART-A

Answer ALL Questions (5 x 2 = 10 Marks)

1. What are the essential qualities to be met by a protection scheme? Explain.
2. Explain the characteristics of an IDMT relay. Mention its applications.

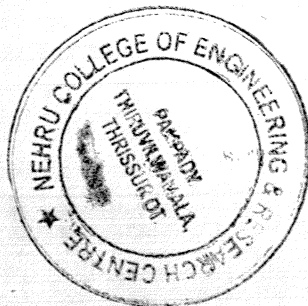
PART- B

Answer ALL Questions (15 Marks)

3. Explain the construction and operation of directional overcurrent relay. (8 Marks)
4. Discuss the different types of PTs with their areas of applications. (7 Marks)

OR

5. Describe with a neat sketch, the percentage differential protection scheme. (9 Marks)
6. What are the important operating principles which are used in wire pilot schemes? Explain any one. (7 Marks)



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Name: _____

**NEHRU SCHOOL OF MANAGEMENT @ NCERC
NILA GARDENS, PAMPADY
T5 MBA FIRST SERIES EXAMINATION
JAN 2020**

Subject code:51

Subject Name:ENTREPRENEURSHIP

Time: One and half Hours

Max Marks: 30

PART - A. Answer all the five questions (5*1=5marks)

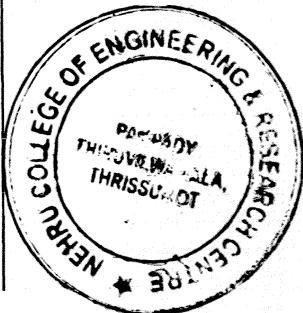
1. Define entrepreneur.
2. Distinguish between entrepreneur and intrapreneur.
3. List the different forms of business.
4. State the difference between entrepreneur and manager.
5. What are the characteristics of Entrepreneurship?

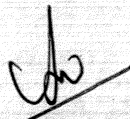
PART - B. Answer any three questions (3*5=15marks)

6. Give a description on entrepreneurial traits.
7. State the opportunities for entrepreneurship in aboard.
8. What do you understand by the term entrepreneur? State the functions of entrepreneurs.
9. What are the different types of entrepreneurship?
10. Discuss the different challenges of women entrepreneurs.

PART C. Compulsory 1 Question carries 10 Marks

11. Discuss the role of entrepreneurship in economic development.




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NEHRU SCHOOL OF MANAGEMENT @ NCERC
NILA GARDENS, PAMPADY
TIMBA SECONDN SERIES EXAMINATION
OCTOBER 2019

SUBJECT CODE:

MBA12

SUBJECT NAME:

ORGANIZATIONAL BEHAVIOUR 1

Time: One and half Hours

Max Marks: 30

PART A Answer all the five questions (5*1=5marks)

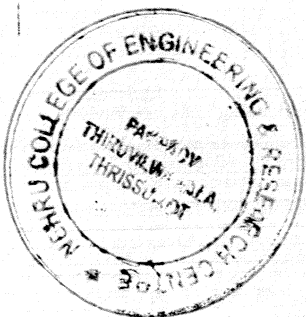
1. Define Emotion.
2. What are the components of attitudes?
3. List the steps in motivation process.
4. Write a note on job satisfaction.
5. Discuss the importance of perception.


PART B Answer any three questions (3*5=15marks)

6. Discuss the structure of personality.
7. Highlight the effects of employee attitudes.
8. Describe the elements of motivation.
9. Discuss the individual differences influencing work behavior.
10. Elaborate the personality traits theories.

PART C Compulsory Question (1*10=10 marks)

11. Suppose you have an employee whose lack of commitment is affecting others in the work group. How would you go about persuading the person to change attitude?




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NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE

DEPARTMENT OF MCA

PROBLEM SOLVING AND COMPUTER PROGRAMMING

FIRST SERIES EXAMINATION (SEMESTER 1) SEPTEMBER 2018

Time:1hr

Total Marks :15

PART A (Answer ALL Questions, Each Carries 3 Marks)

1. Describe the important characteristics of C programming and it's structure.
2. Write an algorithm and flow chart to find the largest of 3 numbers.
3. List the basic data types used in C with example.

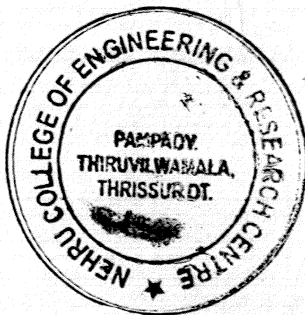
PART B (Answer ANY ONE Questions, 6 marks)

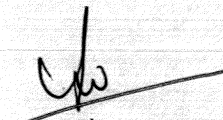
4. Explain different types of operators available in C.
5. What are the input/output functions used in C programming, explain with example.

Faculty in charge:



HOD:




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DEPARTMENT OF MCA
FIRST SERIES EXAMINATION (THIRD SEMESTER) SEPTEMBER 2018
COMPUTER NETWORKS

Time:1hr

Total Marks :15

PART A(Answer All Questions, Each Carries 3 Marks Each)

1. What do you mean by a network? Differentiate it from internet.
2. Differentiate between protocols and standards with examples.
3. What are the two techniques implemented for the quality of services in networks?

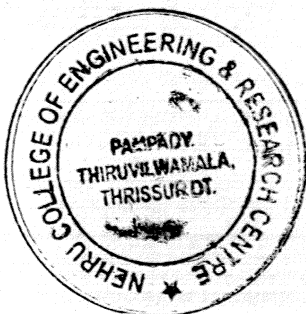
PART B(Answer Any One Question & Carries 6 Marks)

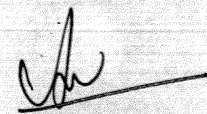
1. Detail about ISO OSI model with diagram.
2. Define a) HTTP
b) WEB
c) SMTP

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DEPARTMENT OF MCA

PRINCIPLES OF MANAGEMENT

FIRST SERIES EXAMINATION (SEMESTER 1) SEPTEMBER 2018

Time:1hr

Total Marks :15

PART A (Answer ALL Questions, Each Carries 3 Marks)

6. *Quote* any two accepted Definitions of Management
7. *Comment on* Contingency Approach
8. *Write short note on* Decision Making

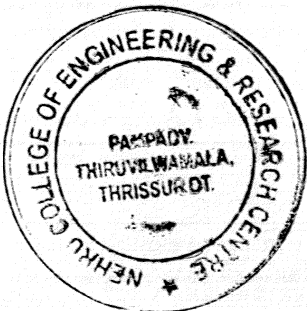
PART B (Answer ANY ONE Questions, 6 marks)


9. *Explain* Six Management Functions
10. *Comment on*Fayol's 14 Principles of Management

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NEHRU COLLEGE OF ENGINEERING & RESEARCH CENTRE

SERIES 1

RLMCA 103 DISCRETE MATHEMATICS

TIME : 60 min

Max Marks : 15

PART A

Answer all questions (3 marks each)

1. Define a Partial order relation with an example.
2. If A, B & C are sets, prove that $A - (B \cap C) = (A - B) \cup (A - C)$.
3. The relation R on the set $A = \{1,2,3,4,5\}$ is defined by the rule $(a, b) \in R$ if 3 divides $a-b$
(i) List the elements of R & R^{-1} . (ii) List the elements of \bar{R} .

PART B

Answer any one question (6 marks each)

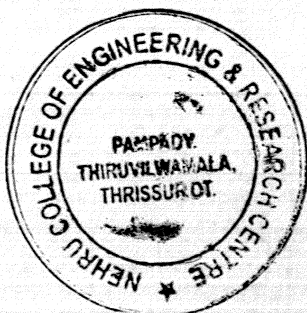
4. If R is the relation on $A = \{1,2,3\}$ such that $(a, b) \in R$ if and only if $a + b = \text{even}$,
find $M_R, M_{R^{-1}}, M_{\bar{R}}$ & M_{R^2} .
5. Find the Reflexive, Symmetric & Transitive closures of the relation on $\{a,b,c,d,e\}$
 $R = \{(a,c), (b,d), (c,a), (d,b), (e,d)\}$.

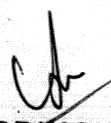
V. G. Nair

Faculty in charge:



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DEPARTMENT OF MCA

FIRST SERIES EXAMINATION (THIRD SEMESTER) SEPTEMBER 2019

SOFTWARE ENGINEERING

Time:1hr

Total Marks :15

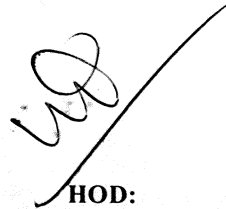
PART A(Answer All Questions, Each Carries 3 Marks Each)

4. What is the importance of Software Engineering?
5. Write a short note on software testing.
6. Explain the software scope.

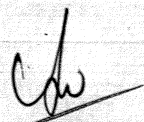
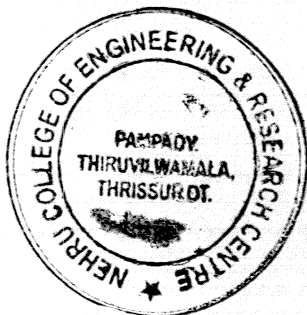
PART B(6 marks)

3. Explain SDLC.

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2.6.2 Attainment of program outcomes and course outcomes are evaluated by the institution

The course outcomes are assessed with the marks of two series tests , two assignments and university results. The marks for each series test is 40 . The portions from the first and second modules are covered in Series Test I. The portions from the third and fourth modules are covered in Series Test II.

The marks for each assignment is 30 . The portions for first assignment is covered from the fifth module and the portions for second assignment is covered from the sixth module.

During the academic year 2019 -20 , the course outcomes are assessed with the marks of two series tests , two assignments and university results. The marks for each series test is 50 . The portions from the first ,second and third modules are covered in Series Test I. The portions from the fourth, fifth and sixth modules are covered in Series Test II.

The marks for each assignment is 30 . The portions for first assignment is covered from the first ,second and third module and the portions for second assignment is covered from the fourth, fifth and sixth module.

The course outcomes are thus directly and quantitatively assessed, and are tied to the program outcomes and program specific outcomes. Therefore if the course outcomes are attained, they provide direct quantitative evidence that program outcome is attained.

The course outcomes of each course are mapped to the Program Outcomes with a level of emphasis being HIGH (3), MODERATE (2) and LOW (1).

Projects are reviewed by industrial experts to oversee whether they are in tune with the learning outcomes. The importance of employability is insisted upon as one of the main learning outcomes. Faculty members write COs of their respective course and refer them while executing the course plan. Faculty members refer the syllabus to understand POs and COs thoroughly before delivering the courses to students.



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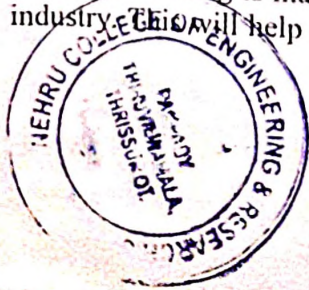
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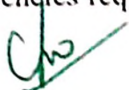
Reviews of these POs and COs are taken by the stakeholders and suggestions are discussed in meetings. Revisions are done wherever required.

PO CO attainment level details are submitted to the Principal Office through the Head of the departments. Reviews are done to focus on analytical subjects and result pulling subjects so as to improve the CO PO attainment levels and thereby enhance the academic performance of the students and also improve the overall pass percentage of the subjects.

Delivery of courses helps in the attainment of the PO

- Beyond class room teaching, webinar classes and guest lecturers are conducted by the faculty and eminent personalities, for the students and the backup files are filed in college website for any time usage by the students.
- .Course content delivery/ Lecture is done effectively by using modern tools like LCD projector, overhead projectors and laptops in class rooms/ Seminar Halls.
- Group Discussion is a useful tool to assess the students ability to think critically and to articulate. Group discussion on study is essential for effective learning. In group discussion learning is shared and student participating in discussion are benefitted. It improves communication skill.
- Tutorial hours are included in the respective class time table. Two Assignments are given for each course. Students are trained in problem solving, group discussions, quiz, literature survey, seminar, term-project, software exercises etc .Viva voce is conducted for all practical laboratory classes.
- Eminent Personalities/ Speakers are invited for lecture to share their valuable insights from their rich experience about contemporary issues, the challenges they are faced with and how they dealt with them. It will help the students to supplement their theoretical knowledge.
- Course folders are properly maintained by the staff members and it includes notes of lesson, lesson plan, sample questions and answers, question banks, university question papers.
- Quiz, demonstrations and models, are used to deliver the contents effectively.
- Demonstrative experiments and simple projects are undertaken jointly with students to understand the concepts.
- Industrial training is mandatory to bridge the gap in the academic curriculum and in the industry. This will help the students to develop their skills and competencies required to




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become employable. It provides an opportunity for students to apply theoretical knowledge acquired in the classroom with practical application of knowledge required to perform a task

- Student feedback on faculty is taken twice in a semester to ascertain faculty efficacy and capacity. Based on which the Class Committee meetings will be held to take the corrective actions initiated by the Head of the Department.
- Further, students give feedback on attainment of course outcomes at the end of the semester, which is statistically analysed to find the attainments of course outcomes and program outcomes.

| Modes of Content Delivery | PROGRAMME OUTCOMES | | | | | | | | | | |
|---|--------------------|---|---|---|---|---|---|---|---|---|---|
| | a | b | c | d | e | f | g | h | i | j | K |
| Lectures | ✓ | ✓ | ✓ | | | | | | | ✓ | ✓ |
| Group Discussions | | | ✓ | ✓ | | ✓ | ✓ | | | ✓ | ✓ |
| Assignments, quiz | ✓ | | ✓ | | ✓ | | | | | | ✓ |
| Tutorials | ✓ | ✓ | ✓ | | ✓ | | | | | | |
| Demonstrations | ✓ | ✓ | ✓ | ✓ | | | ✓ | ✓ | ✓ | ✓ | |
| Guest lectures | ✓ | ✓ | | ✓ | | | | ✓ | | ✓ | ✓ |
| Industrial Training, Projects at industries | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

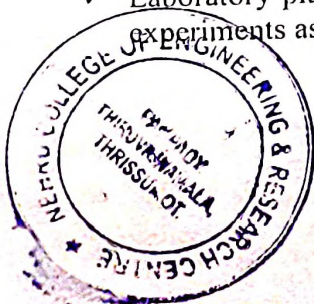
Role of laboratory in the attainment of PO


In a 30 period's weekly schedule, students attend 24 periods of theory & tutorial sessions, 6 periods lab/ project sessions. . In addition, Pre-final and Final Year students get themselves engaged in mini/major projects to improve their practical skills.

Laboratory works:

There are totally 14 laboratory courses (as per 2009 Scheme) & 13 laboratory courses (as per 2014 scheme) in our curriculum provided by the affiliated university (Calicut university), which covers all the areas of basic science. basic engineering, computing, humanities and professional courses.

- ✓ Laboratory plans are prepared for each laboratory course. This plan includes number of experiments as prescribed in the curriculum.




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- ✓ Laboratory manuals are prepared for all the experiments in the plan and are provided to the students in advance..
- ✓ Continuous assessment system is also implemented for assessment of laboratory work. The assessment is done on the basis of timely submission of laboratory records, understanding of the experiment through oral questions and participation in performing the experiment.

2009 SCHEME

| Theory Course | | | Associated Lab | | |
|---------------|-------------|---|----------------|-----------------------------|---|
| Sl No. | Course Code | Course Name | Sl No. | Course Code | Name of the Lab |
| 1 | EN09 103 | Engineering Physics | 1 | EN09 103 (P) | Physics Lab |
| 2 | EN09 104 | Engineering Chemistry | 2 | EN09 104 (P) | Chemistry Lab |
| 3 | EN09 107 | Basics of Electrical, Electronics & Communication Engineering | 3 | EN09 110 (P) & EN09 111 (P) | Mechanical Workshops & Electrical and Civil Workshops |
| 4 | EN09 106 | Basics of Civil and mechanical Engg. | 4 | | |

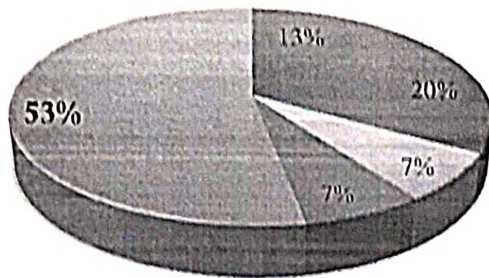
| | | | | | |
|----|----------|---|----|--------------|---|
| 5 | EE09 303 | Electric Circuit Theory | 5 | EE09 307 (P) | Basic Electrical Engg. Lab |
| 6 | EE09 305 | Analog Electronics | 6 | EE09 308 (P) | Analog Electronics Lab |
| 7 | EE09 306 | Mechanical Engineering | 7 | EE09 407 (P) | Mechanical Engg. Lab |
| 8 | EE09 404 | DC Machines and Transformers | 8 | EE09 507 (P) | Electrical Machines Lab -I |
| 9 | EE09 405 | Digital Electronics | 9 | EE09 508 (P) | Digital Electronics Lab |
| 10 | EE09 406 | Electrical Measurements & Instrumentation Systems | 10 | EE09 408 (P) | Electrical Measurements & Instrumentation Lab |
| 11 | EE09 501 | Synchronous and Induction Machines | 11 | EE09 607 (P) | Electrical Machines Lab -II |




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| | | | | | |
|----|----------|---|----|-----------------|----------------------------------|
| 12 | EE09 504 | Power Electronics | 12 | EE09 707 (P) | Power Electronics Lab |
| 13 | EE09 601 | Microprocessors and Microcontrollers | 13 | EE09 708 (P) | Advanced Electrical Engg. Lab |

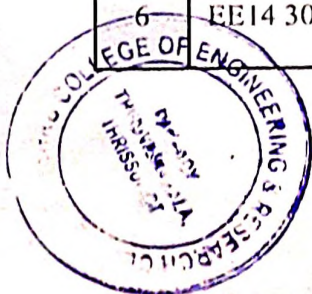
List of laboratories



- ▣ Basic Science
- ▣ Engineering Workshops
- ▣ Computer Programming
- ▣ Mechanical
- ▣ Electrical Core(hardware and simulation)

2014 SCHEME

| Theory Course | | | Associated Lab | | |
|---------------|-------------|--|----------------|--------------------------------------|---|
| Sl No. | Course Code | Course Name | Sl No. | Course Code | Name of the Lab |
| 1 | EN14 103 | Engineering Physics | 1 | EN14 103 (P) | Physics Lab |
| 2 | EN14 104 | Engineering Chemistry | 2 | EN14 104 (P) | Chemistry Lab |
| 3 | EN14 107 | Basics of Electrical, Electronics & Communication Engineering | 3 | EN14 110 (P) & EN14 111 (P) | Mechanical Workshops & Electrical and Civil Workshops |
| 4 | EN14 106 | Basics of Civil and mechanical Engg. | 4 | | |
| 5 | EE14 303 | Electric Circuit Theory | 5 | EE14 307 (P) | Basic Electrical Engg. Lab |
| 6 | EE14 304 | Electrical Measurements & Instrumentation | 6 | EE14 408(P) | Electrical Measurements & Instrumentation Lab |



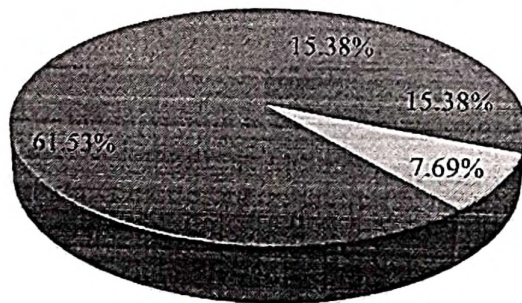
C. J. S.

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| | | Systems | | | |
|----|----------|--------------------------------------|----|--------------|-----------------------------------|
| 7 | EE14 305 | Analog Electronics | 7 | EE14 308 (P) | Electronics Lab |
| 8 | EE14 306 | Mechanical Engineering | 8 | EE14 407 (P) | Mechanical Engg. Lab |
| 9 | EE14 403 | Electrical Machines I | 9 | EE14 507 (P) | Electrical Machines Lab -I |
| 10 | EE14 405 | Digital Electronics | 10 | EE14 508 (P) | Integrated Circuits Lab |
| 11 | EE14 501 | Power Electronics | 11 | EE14 706(P) | Power Electronics Lab |
| 12 | EE14 503 | Electrical Machines II | 12 | EE14 607 (P) | Electrical Machines Lab -II |
| | EE14 603 | Electrical Machines III | | EE14 607 (P) | |
| 13 | EE14 604 | Microprocessors and Microcontrollers | 13 | EE14 707 (P) | System Simulation and Control Lab |

List of laboratories



- ▣ Basic Science
- ▣ Engineering Workshops
- ▣ Mechanical
- ▣ Electrical Core (hardware and simulation)




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INDIVIDUAL LAB COURSES PO MAPPING IN THE ACADEMIC YEAR

2015 – 2016

| SL NO | Course Code & Course Title | PROGRAMME OUTCOMES | | | | | | | | | | |
|-------|---|--------------------|---|---|---|---|---|---|---|---|---|---|
| | | a | b | c | d | e | f | g | h | i | j | K |
| 1 | PH 110 Engineering Physics Lab | ✓ | ✓ | | | ✓ | | ✓ | ✓ | | | |
| 2 | EE110 Electrical Engineering Workshop | ✓ | ✓ | ✓ | ✓ | ✓ | | | ✓ | ✓ | | |
| 3 | ME 110 Mechanical Engineering Workshop | | | | | | | | | | | |
| 4 | CY 110 Engineering Chemistry Lab | ✓ | ✓ | | ✓ | | | ✓ | ✓ | | | ✓ |
| 5 | CE 110 Civil Engineering Workshop | ✓ | ✓ | | ✓ | ✓ | ✓ | | | | | |
| 6 | EC 110 Electronics Engineering Workshop | ✓ | ✓ | ✓ | | ✓ | | | | | | |
| 7 | EE14 307(P) Basic Electrical Engineering Lab | ✓ | ✓ | ✓ | ✓ | ✓ | | | | ✓ | | |
| 8 | EE14 308(P) Electronics Lab | ✓ | ✓ | ✓ | | ✓ | | | ✓ | ✓ | | ✓ |
| 9 | EE14 407(P) Mechanical Engineering Lab | ✓ | ✓ | ✓ | | | | | ✓ | | | |
| 10 | EE14 408(P) Electrical Measurements & Instrumentation Lab | ✓ | ✓ | ✓ | ✓ | | | | ✓ | ✓ | | |
| 11 | EE09 507(P) Electrical Machine Lab I | ✓ | ✓ | | ✓ | ✓ | | | ✓ | | | |
| 12 | EE09 508(P) Digital Electronics Lab | ✓ | ✓ | ✓ | ✓ | ✓ | | | ✓ | ✓ | ✓ | ✓ |
| 13 | EE09 607(P) Electrical Machines Lab II | ✓ | ✓ | | ✓ | ✓ | | | | | | |




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| | | | | | | | | | | | | |
|----|---|---|---|---|---|---|--|--|--|---|--|---|
| 14 | EE09 707(P) Power Electronics Lab | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | ✓ |
| 15 | EE09 708(P) Advanced Electrical Engineering Lab | ✓ | ✓ | ✓ | ✓ | ✓ | | | | ✓ | | ✓ |

Role of project work in the attainment of PO

Project Work

Project work is for duration of two semesters and is expected to be completed in the eighth semester. Each student group consisting of three to four members is expected to design and develop a complete system or make an investigative analysis of a technical problem in the relevant area. The project may be implemented using software, hardware or a combination of both. The students can undertake the project work in electrical power systems/ machines/ electronics/ computer/ instrumentation/ biomedical Engg. or any allied area and must have relevance in electrical or electronics engineering. Project evaluation committee consisting of the guide and three/four faculty members specialized in the above field will perform the screening and evaluation of the projects. Each project group will submit project synopsis within three weeks from start of seventh semester. Project evaluation committee shall study the feasibility of each project work before giving consent. The performance of the students in the project work will be assessed on a continuous basis by the project evaluation committee through progress seminars and demonstrations conducted during the semester. Each project group has to maintain a log book of activities of the project. It should have entries related to the work done, problems faced, solution evolved etc. Students should execute the project work using the facilities of the institute. However, they are allowed to take up external projects in reputed industries, if that work solves a technical problem of the external firm.




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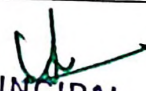
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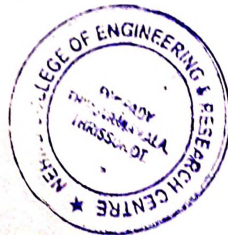
Best three projects during academic year 2015-16, 2016-17, 2017-18, 2018-19, 2019-20

| ACADEMIC YEAR 2015-2016 | | | |
|-------------------------|----------------------|--|--|
| REGISTER No | NAME OF THE STUDENTS | NAME OF THE PROJECT | NAME OF THE ORGANIZATION IN WHICH PROJECT WAS DONE |
| NCAMEEE022 | Arjun K G | Determination of efficiency and Thermal Ageing of Insulation in Power Transformers | Transformers and Electricals Kerala Limited |
| NCAMEEE041 | Hashim K NAZAR | | |
| NCAMEEE046 | Jeevas V S | | |
| NCAMEEE053 | Kiran P R | | |
| NCAMEEE063 | Muhammed Jaisal K M | Unit Commitment for Thermal Optimization Using Genetic Algorithm | Nehru College of Engineering and Research Centre |
| NCAMEEE065 | Muhammed Shameem P E | | |
| NCAMEEE088 | Sangeeth Balu K | | |
| NCAMEEE101 | Sreeraj K | | |
| NCAMEEE003 | Abhilash K R | High Security Circuit Breaker | Nehru College of Engineering and Research Centre |
| NCAMEEE012 | Akhil Porinchu | | |
| NCAMEEE042 | Himal Krishna V V | | |
| NCAMEEE047 | Jishnu V | | |
| NCAMEEE049 | Jithin Benson | | |
| ACADEMIC YEAR 2016-2017 | | | |
| NCANE0010 | Akarsh S | Design of a 2MW Grid Connected Photovoltaic Power Plant | Nehru College of Engineering and Research Centre |
| NCANE0012 | Akshay A | | |
| NCANE0017 | Anandraj K | | |
| NCANE0026 | Athul Krishna B | | |
| NCANE0031 | Gokuldas R | | |
| NCANE0077 | Vishnu K R | Smart Helmet | Nehru College of Engineering and Research Centre |
| NCANE0078 | Vishnu V | | |
| NCANE0080 | Yadav K S | | |
| NCANE0081 | Yajin Rajan | | |
| NCANE0044 | Lediya Jacob | Automatic Voltage Regulation and Parallel Operation of Power Transformer using LDC | Transformers and Electricals Kerala Limited |
| NCANE0050 | Nayana M S | | |
| NCANE0052 | Noushiya A | | |
| NCANE0056 | Rukhiya Fahmidha | | |
| NCANE0065 | Sona Johnson | | |
| ACADEMIC YEAR 2017-2018 | | | |
| NCAN00049 | Sarangi | Detection of Human | Nehru College of |




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| | | | |
|--------------------------------|---------------------|--|--|
| NCAOEEE057 | S R Saranju | Life in Hazardous Area | Engineering and Research Centre |
| NCAOEEE044 | Preethi R | | |
| NCAOEEE036 | Mariya Paul | | |
| NCAOEEE016 | Aparna Unni | | |
| NCAOEEE030 | Jijitha Mol | Independent Power Supply for Building Complexes | Nehru College of Engineering and Research Centre |
| NCAOEEE033 | Keerthi | | |
| NCAOEEE012 | Alisha Davis | | |
| NCAOEEE005 | Aiswarya Venu | | |
| NCAOEEE024 | Chandni A Shaji | | |
| NCAOEEE006 | Ajas Mohammed K P | EOG Based Control Operation of Motor | Nehru College of Engineering and Research Centre |
| NCAOEEE007 | Ajay Krishnan | | |
| NCAOEEE008 | Ajay P | | |
| NCAOEEE009 | Ajeesh C G | | |
| NCAOEEE018 | Aravind R Pisharody | | |
| ACADEMIC YEAR 2018-2019 | | | |
| NCE15EE005 | Ambili V | Weather Based Automatic Roof Top Control | Nehru College of Engineering and Research Centre |
| NCE15EE011 | Arshifa A | | |
| NCE15EE015 | Athira S | | |
| NCE15EE021 | Diya R | | |
| NCE15EE004 | Adithya Krishna | Distribution Line Emergency Rupturing System | Nehru College of Engineering and Research Centre |
| NCE15EE010 | Arjun Surendran | | |
| NCE15EE036 | Nelson P O | | |
| LNCE15EE063 | Sreejith V S | | |
| NCE15EE039 | Pavan Krishnan T K | Conservation and Production of Energy from Road and WPT system | Nehru College of Engineering and Research Centre |
| NCE15EE032 | Krishnakumar P | | |
| NCE15EE055 | Vishnu V | | |
| NCE15EE018 | Binu Raj C | | |
| NCE15EE019 | Davis Varghese | | |
| LNCE15EE058 | Faisal | | |
| ACADEMIC YEAR 2019-2020 | | | |
| NCE16EE044 | Vikas V | Overhead Distribution Line Fault Detection System | Nehru College of Engineering and Research Centre |
| NCE16EE045 | Vipin V | | |
| LNCE16EE046 | Anil K R | | |
| LNCE16EE047 | Cyril Joseph | | |
| NCE16EE015 | Arun K Narayanan | Human Rescue Assistant Amphibian Robot | Nehru College of Engineering and Research Centre |
| NCE16EE016 | Arun K S | | |
| NCE16EE026 | Kiran K Narayanan | | |
| NCE16EE031 | Naveen Ravindran | | |
| NCE16EE043 | Ujjwal K Menon | Advanced Space Research Enhancement Rover | Nehru College of Engineering and Research Centre |

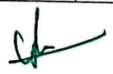


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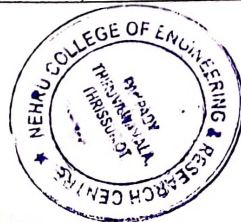
Engineering and Research Centre
Mysuru, Karnataka, India

| ACADEMIC YEAR 2015-2016 | | | |
|-------------------------|----------------------|---|--|
| NCAMECS065 | SANTOSH KUMAR | Cursor control by gesture movement | Nehru College of Engineering and Research Centre |
| NCAMECS066 | VISHNU K S | | |
| NCAMECS067 | VYSAGH A | | |
| NCAMECS047 | YADU KRISHNAN | | |
| NCAMECS021 | BHAVYA K | Detection of DDos attack using Hidden Semi-Markov Model | Nehru College of Engineering and Research Centre |
| NCAMECS062 | VIDYA S | | |
| NCAMECS010 | ANRUTHA JAYARAJ | | |
| NCAMECS046 | SANGEETHA K | | |
| NCAMECS027 | GREESHMA S | Sharing Visual Secrets in Single Image Random Dot Stereograms | Nehru College of Engineering and Research Centre |
| NCAMECS039 | NYJI V | | |
| NCAMECS040 | NIMISHA V S | | |
| NCAMECS052 | SHIBANI R | | |
| | | | |
| ACADEMIC YEAR 2016-2017 | | | |
| NCANECS025 | JISHNU.P | 3D SCANNER | Nehru College of Engineering and Research Centre |
| NCANECS018 | DHANESH.K.R | | |
| NCANECS024 | JERIN K JOY | | |
| NCANECS019 | HARIKRISHNAN P N | | |
| NCANECS057 | VIVEK M V | CAPTCHA GRAPHICAL AUTHENTICATION PROTOCOL | Nehru College of Engineering and Research Centre |
| NCANECS056 | VIVEK H | | |
| NCANECS058 | VIVEK R | | |
| NCANECS059 | YASSAS.C | | |
| NCANECS026 | JITHIN RAJEEV | NOTE | Nehru College of Engineering and Research Centre |
| NCANECS036 | MUHAMMED RAFI E | | |
| NCANECS015 | BALALINATH R | | |
| NCANECS048 | SREERAJ M | | |
| | | | |
| ACADEMIC YEAR 2017-2018 | | | |
| NCAOECS052 | MOHAMMED SHAFEEQ T P | OCRead-All in One OCR application for visually challenged and normal people | Nehru College of Engineering and Research Centre |
| NCAOECS070 | SANOOP R | | |
| NCAOECS077 | SREERAJ THAMPAN | | |
| NCAOECS084 | VISHNU M | | |
| NCAOECS053 | NADEER ABDUL HAZEEB | Text Recognition on natural images | Nehru College of Engineering and Research Centre |
| NCAOECS059 | NOORMUHAMMED M K | | |
| NCAOECS079 | SUDHIL C M | | |
| NCAOECS085 | VIVEK V | | |
| NCAOECS072 | SHYAM SANKAR S | | |
| NCAOECS001 | ABHIJITH S | Sign Board Detection and Driver Alert | Nehru College of Engineering and |
| NCAOECS002 | ABHISHEK S | | |



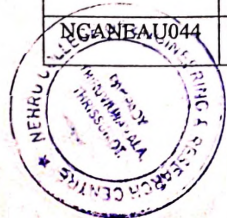

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 Thiruvilwamala, Thiruvananthapuram Dt
 Kerala
 Pin - 686 501

| | | | |
|--------------------------------|---------------------|---|--|
| NCAOECS015 | ANSALKHAN K A | System | Research Centre |
| NCAOECS018 | ARJUN A | | |
| NCAOECS046 | KIRAN KUMAR M | | |
| ACADEMIC YEAR 2018-2019 | | | |
| NCE15CS048 | NITHIN P | Hel-Shift: A Helmet with 360 degree vision | Nehru College of Engineering and Research Centre |
| NCE15CS049 | NOEL JACKSON | | |
| NCE15CS051 | PRANAV P S | | |
| NCE15CS061 | VARADARAJAN A H | Augmented Reality Enhanced Computer Aided Learning | Nehru College of Engineering and Research Centre |
| NCE15CS037 | LIYAS THOMAS | | |
| NCE15CS008 | AJITH P G | | |
| NCE15CS017 | ARJUN JAYESH | Smart Street Light System | Nehru College of Engineering and Research Centre |
| NCE15CS014 | ANJALI SUNIL | | |
| NCE15CS022 | BINDHUJA | | |
| NCE15CS023 | CHANDINI CHAKKUNGAL | | |
| ACADEMIC YEAR 2019-2020 | | | |
| NCE16CS070 | MOHAMMED FAISAL K V | Image Processing based Human Pursuing Robot | Nehru College of Engineering and Research Centre |
| NCE16CS076 | NIKHIL M | | |
| NCE16CS082 | P GOUTHAM | | |
| NCE16CS117 | VIGNESH C R | Smart Mirror | Nehru College of Engineering and Research Centre |
| NCE16CS119 | VISHNU PRASAD | | |
| NCE16CS067 | M MANU | | |
| NCE16CS091 | RASIKH MOHAMMED K | Android based secure voting system with facial recognition | Nehru College of Engineering and Research Centre |
| NCE16CS003 | ABHINAND N | | |
| NCE16CS038 | BIJITH KALADHARAN | | |
| NCE16CS047 | GIRISH C | JISHNU RAJ | |
| NCE16CS060 | JISHNU RAJ | | |
| ACADEMIC YEAR 2015-2016 | | | |
| NCAMEAU005 | AJITH K | Fabrication of 3 wheel Scooter having independent suspension on front | Nehru College of Engineering and Research Centre |
| NCAMEAU020 | KANCHAN B | | |
| NCAMEAU010 | ARUN C R | | |
| NCAMEAU038 | VIMAL DEV I P | | |
| NCAMEAU003 | ABU ASAD M | Vapour absorptionrefrigeration using engine exhaust energy | Nehru College of Engineering and Research Centre |
| NCAMEAU009 | ARAVIND YADAV | | |
| NCAMEAU018 | HIRAN K H | | |




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 Pampady Thiruvallur, Tamil Nadu
 Pin: 601 39, K-12

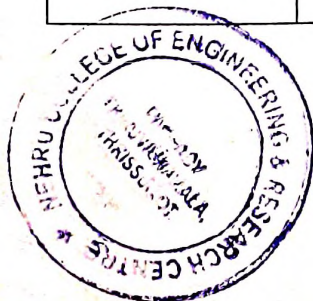
| | | | |
|--------------------------------|-----------------------|---|--|
| NCAMEAU037 | UNAISE RAHMAN | | |
| NCAMEAU014 | DEVANAND | | |
| NCAMEAU001 | ABHIJITH N A | Modification of suspension system for improving riding stability in 3 wheelers | Nehru College of Engineering and Research Centre |
| NCAMEAU017 | GOKUL AJITH | | |
| NCAMEAU025 | MIDHUN M | | |
| NCAMEAU026 | NAIR VISHNU BABU | | |
| NCAMEAU036 | SRJITH R NAIR | | |
| ACADEMIC YEAR 2016-2017 | | | |
| NCANEAU001 | AAKASH P.MOHAN | INVESTIGATION AND EXPERIMENTATION OF SI ENGINE PERFORMANCE AND EMISSIONS USING G SERIES FUEL AND GASOLINE | Nehru College of Engineering and Research Centre |
| NCANEAU012 | ANUSHOBH | | |
| NCANEAU022 | DEEPAK K S | | |
| NCANEAU066 | MARSHAL.A.S | | |
| NCANEAU004 | AKHIL M | AUXILIARY VEHICLE INTEGRATED BUGGY(AVIB) | Nehru College of Engineering and Research Centre |
| NCANEAU006 | AKSHAY K | | |
| NCANEAU020 | AZLAN ALI | | |
| NCANEAU024 | GOKUL RAJ | | |
| NCANEAU043 | SAHAL ALI AHMED | | |
| NCANEAU021 | CARL JOY | FUEL EFFICIENCY IMPROVEMENT BY WATER INJECTION IN SI ENGINE | Nehru College of Engineering and Research Centre |
| NCANEAU033 | MOHAMMED RUSIN KAFOOR | | |
| NCANEAU037 | RAHUL M R | | |
| NCANEAU040 | RAVEEN KRISHNA K | | |
| NCANEAU044 | SANAD THURAKKAL | | |




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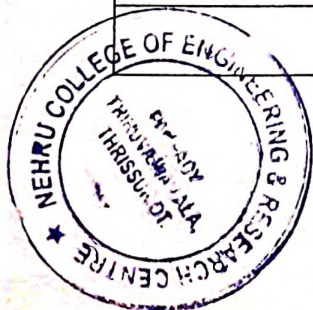
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Kollam, Kerala


| | | | |
|--------------------------------|-------------------------|---|--|
| | PUTHAN PURAYIL | | |
| ACADEMIC YEAR 2017-2018 | | | |
| NCAOEAU002 | ABHIJITH K P | DELTAFLLEE - THREE WHEELED SEGWAY | Nehru College of Engineering and Research Centre |
| NCAOEAU004 | ABHILASH RAJEEV | | |
| NCAOEAU010 | ARJUN M M | | |
| NCAOEAU020 | JASIL USMAN V T K | | |
| NCAOEAU046 | MIDHUN MATHEW PRASAD | | |
| NCAOEAU027 | MUNDAKKAL ANMOL | PERFOMANCE AND EMISSION ANALYSIS OF SI ENGINE USING CAMPHOR - ETHANOL SATURATED BIOFUEL | Nehru College of Engineering and Research Centre |
| NCAOEAU036 | SHANOOB M | | |
| NCAOEAU042 | VISHNU PRADEEPKUMAR | | |
| NCAOEAU047 | PRABIN C B | | |
| NCAOEAU049 | AJITH BHASKER | | |
| NCAOEAU031 | ROYANCE T SIMON | REDUCTION OF NO _x EMISSION FROM VEHICLES USING TITANIUM DIOXIDE | Nehru College of Engineering and Research Centre |
| NCAOEAU033 | SALGIN A S | | |
| NCAOEAU044 | VIPIN GEORGE | | |
| NCAOEAU045 | JITHIN N V | | |
| ACADEMIC YEAR 2018-2019 | | | |
| NCE15AU002 | AKHIL RAJ | Investigation and experimentation of CI engine performance and emissions using gasoline and rice bran oil bio diesel | Nehru College of Engineering and Research Centre |
| NCE15AU004 | AKSHAY MOHAN | | |
| NCE15AU023 | PRANAV P M | | |
| NCE15AU027 | SHYAMJITH A | | |
| NCE15AU028 | SREEJESH K S | | |
| NCE15AU017 | LEON VARGHESE A | NO _x Emission | Nehru College of |



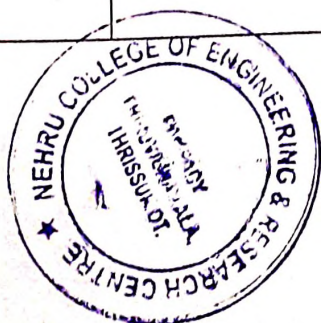

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 Dist. 686 59, Kerala


| | | | |
|--------------------------------|-----------------------------|--------------------------------|--|
| NCE15AU018 | MOHAMED FAIROOZ P | Reduction Using HHO Fuel Cell | Engineering and Research Centre |
| NCE15AU020 | NAVANEETH RACKADI SATHIAVEL | | |
| NCE15AU036 | PRAVEEN | | |
| NCE15AU001 | ADHINRAG K I | Front impact mitigation System | Nehru College of Engineering and Research Centre |
| NCE15AU003 | AKSHAY K K | | |
| NCE15AU016 | JUBIN SCARIA | | |
| NCE15AU035 | ARJUN K V | | |
| ACADEMIC YEAR 2019-2020 | | | |
| NCE16AU003 | AKHIL PRADEEP | HYBRID BUGGY | Nehru College of Engineering and Research Centre |
| NCE15AU014 | JAYAKRISHNAN S | | |
| NCE16AU019 | NITHIN K DAS | | |
| NCE16AU024 | SANJAY C | | |
| NCE16AU027 | SREEJITH P S | | |
| NCE16AU013 | JOSEPH CHANDY | ACCELERATING TORQUE CONTROL | Nehru College of Engineering and Research Centre |
| NCE16AU014 | LEVIN LORANCE | | |
| NCE16AU015 | LINSO SOLOMON | | |
| NCE16AU017 | MUHAMMED HAFIS | | |
| NCE16AU018 | MUHAMMED SHARUBE K S | | |
| NCE16AU004 | AKHIL SHAJI | ELECTRIC VELOCIPEDE | Nehru College of Engineering and Research Centre |
| NCE16AU010 | GOPIKRISHNAN S | | |
| NCE16AU030 | VIMAL D | | |
| NCE16AU031 | VINEETH | | |
| ACADEMIC YEAR 2015-2016 | | | |



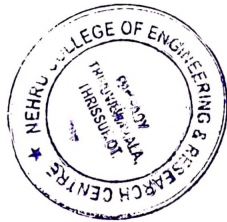

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 Kerala - 695 002

| | | | |
|--------------------------------|----------------|--|--|
| NCANMCA006 | Dheeraj Das | H R Portal | LXI Technologies, Pathirippala |
| NCANMCA002 | Ambika P | Location Aware News Feed System | LXI Technologies, Pathirippala |
| NCANMCA011 | Mohammed Firoz | Regional Transport Office Management System | Softronics, Kochi |
| ACADEMIC YEAR 2016-2017 | | | |
| NCAOMCA034 | SOMYA N | Phone Clone | RISS Technologies, Kochi |
| NCAOMCA031 | Sheeba A | Fit & Match Online | RISS Technologies, Kochi |
| NCAOMCA027 | Priyanka Raj | Payment System Using Stegnography & Visual Cryptography | RISS Technologies, Kochi |
| ACADEMIC YEAR 2017-2018 | | | |
| NCAPMCA016 | NEELIMA M P | Blind Navigation At Shopping Mall | Xerox, Infopark, Kochi |
| NCAPMCA019 | Raiby M Benny | My Dream Village | Xerox, Infopark, Kochi |
| NCAPMCA025 | Sumi M | Cybernet Protectors | Softronics, Kochi |
| ACADEMIC YEAR 2018-2019 | | | |
| LNCE16MCA036 | Reshma V | Aiding System For Blind, Deaf & Dump Using Raspberry Pi | Nehru College of Engineering and Research Centre |
| LNCE16MCA039 | Sruthy M | Air Pen | Nehru College of Engineering and Research Centre |




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|-------------------------|---------------|---|--|
| LNCE16MCA018 | Shivin Wilson | Movie Catcher | Nehru College of Engineering and Research Centre |
| ACADEMIC YEAR 2019-2020 | | | |
| LNCE17MCA020 | Jisha K | Fraud Detection of APPS Using Sentiment Analysis | Nehru College of Engineering and Research Centre |
| LNCE17MCA011 | ARATHI R | Factal Emotion Recognition Using Convolutional Neural Networks | Nehru College of Engineering and Research Centre |
| LNCE17MCA020 | Sreelekha T K | RTEA Implementing Business Trends For Corporate Identity Services | Nehru College of Engineering and Research Centre |




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 Thiruvilwamala, Thiruvananthapuram
 Kerala



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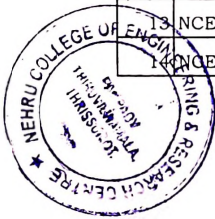
Pampady, Thiruvilwamala, Thrissur Dt.

VIII Semester Electrical & Electronics Engineering - (2016-20)

EE 404 INDUSTRIAL INSTRUMENTATION & AUTOMATION - PO-CO MAPPING - JUNE 2020



| Sl.No | Reg.No | Name | Assignment 1 | Assignment 2 | Assignment 3 | Assignment 4 | Assignment 5 | Assignment 6 | Assignment Average (10) | Series Test 1 | | | Series Test 2 | | | Series Test 1 Avg (20) | Internal marks (50) | University Result | |
|-------|------------|------------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------------------|---------------|------|------|---------------|------|------|------------------------|---------------------|-------------------|----|
| | | | 10 | 10 | 10 | 10 | 10 | 10 | | CO 1 | CO 2 | CO 3 | CO 4 | CO 5 | CO 6 | | | | |
| 1 | NCE16EE001 | AARDHRA T V | 10 | 9 | 10 | 10 | 10 | 10 | 10 | 6 | 6 | 6 | 18 | 7 | 7 | 4 | 18 | 46 | O |
| 2 | NCE16EE002 | ABHIJITH S | 9 | 9 | 9 | 10 | 10 | 10 | 10 | 4 | 5 | 5 | 14 | 7 | 6 | 7 | 20 | 44 | A |
| 3 | NCE16EE003 | ABHISHEK P M | 8 | 6 | 6 | 10 | 10 | 10 | 8 | 5 | 6 | 1 | 12 | 6 | 6 | 2 | 14 | 34 | F |
| 4 | NCE16EE004 | ADITHYAN S | 10 | 10 | 9 | 10 | 10 | 10 | 10 | 5 | 5 | 4 | 14 | 6 | 6 | 8 | 20 | 44 | F |
| 5 | NCE16EE005 | ADITHYAN K G | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 2 | 4 | 0 | 6 | 7 | 7 | 6 | 20 | 36 | F |
| 6 | NCE16EE007 | AISWARYA NAIR A | 7 | 7 | 8 | 10 | 10 | 10 | 9 | 5 | 4 | 5 | 14 | 6 | 7 | 7 | 20 | 43 | B+ |
| 7 | NCE16EE008 | AJAY RAM P NAIR | 9 | 9 | 9 | 10 | 10 | 10 | 10 | 7 | 7 | 4 | 18 | 6 | 6 | 6 | 18 | 46 | B+ |
| 8 | NCE16EE009 | AJMAL M | 10 | 9 | 9 | 10 | 10 | 10 | 10 | 6 | 7 | 5 | 18 | 5 | 7 | 5 | 17 | 45 | A |
| 9 | NCE16EE010 | AKHIL T R | 9 | 9 | 10 | 10 | 10 | 10 | 10 | 6 | 6 | 5 | 17 | 6 | 7 | 6 | 19 | 46 | A+ |
| 10 | NCE16EE011 | AKSHAY G | 9 | 10 | 10 | 10 | 10 | 10 | 10 | 6 | 4 | 2 | 12 | 6 | 6 | 6 | 18 | 40 | B+ |
| 11 | NCE16EE014 | ANNE MARY THOMAS | 9 | 9 | 10 | 10 | 10 | 10 | 10 | 4 | 5 | 7 | 16 | 8 | 8 | 4 | 20 | 46 | O |
| 12 | NCE16EE015 | ARUN K NARAYANAN | 8 | 8 | 9 | 10 | 10 | 10 | 9 | 6 | 2 | 4 | 12 | 7 | 7 | 6 | 20 | 41 | B+ |
| 13 | NCE16EE016 | ARUN K S | 9 | 9 | 9 | 10 | 10 | 10 | 10 | 5 | 6 | 3 | 14 | 5 | 7 | 5 | 17 | 41 | B+ |
| 14 | NCE16EE018 | ATHUL B | 6 | 6 | 6 | 10 | 10 | 10 | 8 | 7 | 6 | 5 | 18 | 7 | 5 | 5 | 17 | 43 | A |



[Signature]
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 Kerala

| Sl.No | Reg No | Name | Assignment | | | | | | Assignment Average (10) | Series Test 1 | | | Series Test 1 Avg (20) | Series Test 2 | | | Series Test 1 Avg (20) | Internal marks (50) | University Result |
|-------|------------|-------------------|------------|--------------|----|--------------|----|--------------|-------------------------|---------------|--------------|----|------------------------|---------------|----|--------------|------------------------|---------------------|-------------------|
| | | | 10 | Assignment 1 | 10 | Assignment 2 | 10 | Assignment 3 | | 10 | Assignment 4 | 10 | | Assignment 5 | 10 | Assignment 6 | | | |
| 15 | NCE16EE019 | BAYIN B | 7 | 6 | 6 | 10 | 10 | 10 | 8 | 5 | 5 | 5 | 15 | 6 | 7 | 5 | 12 | 41 A | |
| 16 | NCE16EE020 | BHAVANA V | 9 | 10 | 10 | 10 | 10 | 10 | 10 | 7 | 7 | 6 | 20 | 6 | 6 | 8 | 20 | 50 A+ | |
| 17 | NCE16EE021 | DONA CLINFARD P | 10 | 8 | 10 | 10 | 10 | 10 | 10 | 6 | 7 | 4 | 17 | 7 | 7 | 5 | 19 | 48 B+ | |
| 18 | NCE16EE022 | GOPIKA KRISHNAN K | 10 | 10 | 9 | 10 | 10 | 10 | 10 | 6 | 7 | 7 | 20 | 7 | 7 | 6 | 20 | 50 O | |
| 19 | NCE16EE023 | GOPIKA S | 8 | 9 | 8 | 10 | 10 | 10 | 9 | 6 | 6 | 4 | 16 | 6 | 6 | 8 | 20 | 45 A | |
| 20 | NCE16EE025 | KARTHIKA K | 9 | 9 | 10 | 10 | 10 | 10 | 10 | 8 | 6 | 4 | 18 | 8 | 7 | 5 | 20 | 48 A | |
| 21 | NCE16EE026 | KIRAN K NARAYANAN | 8 | 9 | 9 | 10 | 10 | 10 | 9 | 5 | 5 | 5 | 15 | 6 | 6 | 8 | 20 | 44 B | |
| 22 | NCE16EE027 | MEERA M | 9 | 10 | 9 | 10 | 10 | 10 | 10 | 6 | 5 | 4 | 15 | 6 | 6 | 6 | 18 | 43 B | |
| 23 | NCE16EE031 | NAVEEN RAVINDRAN | 10 | 9 | 9 | 10 | 10 | 10 | 10 | 5 | 5 | 4 | 14 | 7 | 7 | 6 | 20 | 44 C | |
| 24 | NCE16EE032 | NITHIN BABU | 9 | 9 | 9 | 10 | 10 | 10 | 10 | 5 | 4 | 5 | 14 | 6 | 5 | 7 | 18 | 42 C | |
| 25 | NCE16EE033 | PRADEEP J | 9 | 9 | 10 | 10 | 10 | 10 | 10 | 4 | 4 | 6 | 14 | 8 | 7 | 4 | 19 | 43 F | |
| 26 | NCE16EE034 | P SRUTHI | 10 | 10 | 9 | 10 | 10 | 10 | 10 | 6 | 5 | 3 | 14 | 7 | 7 | 6 | 20 | 44 A+ | |
| 27 | NCE16EE035 | RAMADAS K | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 6 | 6 | 6 | 18 | 8 | 7 | 4 | 19 | 47 A | |
| 28 | NCE16EE036 | R HARIKRISHNAN | 8 | 10 | 10 | 10 | 10 | 10 | 10 | 5 | 5 | 5 | 15 | 4 | 7 | 8 | 19 | 44 A | |
| 29 | NCE16EE038 | SALINI M | 10 | 8 | 10 | 10 | 10 | 10 | 10 | 6 | 6 | 5 | 17 | 8 | 4 | 8 | 20 | 47 O | |
| 30 | NCE16EE039 | SANJANA S | 10 | 10 | 9 | 10 | 10 | 10 | 10 | 5 | 5 | 4 | 14 | 6 | 7 | 5 | 18 | 42 A+ | |
| 31 | NCE16EE040 | SHDHARTH S MENON | 9 | 10 | 10 | 10 | 10 | 10 | 10 | 5 | 6 | 5 | 16 | 7 | 7 | 6 | 20 | 46 A+ | |
| 32 | NCE16EE041 | SQORAJ M S | 10 | 10 | 8 | 10 | 10 | 10 | 10 | 6 | 6 | 6 | 18 | 6 | 6 | 8 | 20 | 48 O | |
| 33 | NCE16EE042 | SUSMITHA T M | 10 | 8 | 10 | 10 | 10 | 10 | 10 | 7 | 7 | 5 | 19 | 6 | 7 | 7 | 20 | 49 O | |



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 Jeeva Taluk, Karnataka, Thiruvalli Dt
 Coimbatore, Kerala

| Sl.No | Reg.No | Name | Assignment | | | | | | Assignment Average (10) | Series Test 1 | | | Series Test 2 | | | Series Test 1 Avg (20) | Internal marks (50) | University Result | |
|-------|-------------|----------------|------------|----|----|----|----|----|-------------------------|---------------|-----|------|---------------|-----|-----|------------------------|---------------------|-------------------|----------|
| | | | 10 | 10 | 10 | 10 | 10 | 10 | | CO 1 | CO2 | CO 3 | CO4 | CO5 | CO6 | | | | Avg (20) |
| 34 | NCE16EE043 | UJJWAL K MENON | 8 | 8 | 10 | 10 | 10 | 10 | 9 | 3 | 6 | 1 | 10 | 7 | 5 | 5 | 17 | 36A | |
| 35 | NCE16EE044 | VIKAS V | 9 | 9 | 9 | 9 | 10 | 10 | 10 | 4 | 4 | 5 | 13 | 6 | 6 | 4 | 16 | 39B | |
| 36 | NCE16EE045 | VIPIN V | 9 | 10 | 9 | 10 | 10 | 10 | 10 | 6 | 4 | 6 | 16 | 7 | 7 | 6 | 20 | 46A+ | |
| 37 | LNCE16EE044 | ANIL K R | 9 | 9 | 9 | 10 | 10 | 10 | 10 | 6 | 6 | 5 | 17 | 6 | 7 | 7 | 20 | 47A+ | |
| 38 | LNCE16EE047 | CYRIL JOSEPH | 8 | 8 | 10 | 10 | 10 | 10 | 9 | 3 | 5 | 6 | 14 | 7 | 7 | 5 | 19 | 42F | |
| 39 | NCE15EE027 | JAGATH G | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 4 | 2 | 0 | 6 | 6 | 6 | 6 | 18 | 34F | |

| Course Outcomes | | A1 | A2 | A3 | A4 | A5 | A6 |
|----------------------|--|------|----|----|-----|-----|-----|
| Target (%) | | 80 | 80 | 80 | 80 | 80 | 80 |
| % of target achieved | | 92.3 | 90 | 92 | 100 | 100 | 100 |
| Score | | 3 | 3 | 3 | 3 | 3 | 3 |

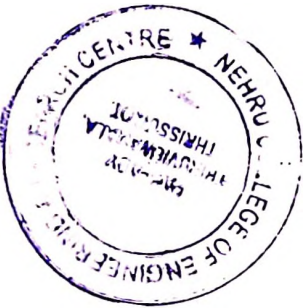
| CO1 | CO2 | CO3 |
|-----|-----|-----|
| 70 | 70 | 70 |
| 82 | 77 | 59 |
| 2 | 1 | 0 |

| CO4 | CO5 | CO6 |
|-----|-----|-----|
| 80 | 80 | 80 |
| 97 | 97 | 85 |
| 3 | 3 | 2 |

| INT | UNIV |
|------|------|
| 80 | 70 |
| 84.6 | 79.5 |
| 3 | 3 |

> 90 = 3
> 80 = 2
> 70 = 1

FACULTY
P T RAJENA MOL



HOD/EEE

Principal

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Thiruvilwamala, Thiruvananthapuram
Dist. Thiruvananthapuram, Kerala



NEHRU COLLEGE OF ENGINEERING & RESEARCH CENTRE
PAMPADY, THIRUVILWAMALA, THIRISSUR, KERALA - 680 588

(Accredited by NAAC)

Consolidated Mark Entry Sheet



Sub.Code: MR451

Sub.Name: Seminar & Project Preliminary

Faculty Name: Mr. Ranjith P N

Sem/Batch: S7 / 2015-19

Year/Section: IV

| S.No | Register No | Name of the Student | Review I | Review II | Internal Marks | University Results | Grade Points |
|------|-------------|-----------------------|----------|-----------|----------------|--------------------|--------------|
| | | | 50 | 50 | | 100 | |
| 1 | NCE15MC001 | ABHJITH DINESH | 46 | 44 | 90 | O | 10 |
| 2 | NCE15MC002 | ABHJITH K | 42 | 41 | 83 | A | 8.5 |
| 3 | NCE15MC003 | ADITHYA SURI SH | 42 | 41 | 83 | A | 8.5 |
| 4 | NCE15MC004 | ADITHYA MOHAN | 45 | 46 | 91 | O | 10 |
| 5 | NCE15MC005 | AJAY ANAND | 48 | 47 | 95 | O | 10 |
| 6 | NCE15MC006 | AKASHA | 48 | 47 | 95 | O | 10 |
| 7 | NCE15MC007 | AKHIL CHAND P P | 42 | 41 | 83 | A | 8.5 |
| 8 | NCE15MC008 | AKSHAY LAL M R | 48 | 47 | 95 | O | 10 |
| 9 | NCE15MC009 | ALBIN F O | 42 | 41 | 83 | A | 8.5 |
| 10 | NCE15MC010 | ALIND ROY | 48 | 47 | 95 | O | 10 |
| 11 | NCE15MC011 | AMARJITH VINOD | 49 | 41 | 90 | O | 10 |
| 12 | NCE15MC012 | ANTONY SEBASTIAN KACU | 40 | 37 | 77 | B+ | 8 |
| 13 | NCE15MC013 | ANUPAMA R NATH | 44 | 41 | 85 | A+ | 9 |
| 14 | NCE15MC014 | ARJUN S | 47 | 38 | 85 | A+ | 9 |
| 15 | NCE15MC015 | ATHIRA MENON | 47 | 43 | 90 | O | 10 |
| 16 | NCE15MC016 | ATHUL K A | 42 | 41 | 83 | A | 8.5 |
| 17 | NCE15MC017 | ATHUL VAISHNAV C | 46 | 44 | 90 | O | 10 |
| 18 | NCE15MC019 | DARIL SILVA | 46 | 44 | 90 | O | 10 |
| 19 | NCE15MC020 | DEEPAK R | 46 | 44 | 90 | O | 10 |
| 20 | NCE15MC021 | DEEPAK SUNIL | 49 | 41 | 90 | O | 10 |
| 21 | NCE15MC022 | DEEPU VINIL | 46 | 44 | 90 | O | 10 |
| 22 | NCE15MC023 | GOVIND K A | 42 | 41 | 83 | A | 8.5 |
| 23 | NCE15MC024 | HAARHARAN C G | 49 | 41 | 90 | O | 10 |
| 24 | NCE15MC025 | JEFINA TERESA JOHNSON | 47 | 43 | 90 | O | 10 |
| 25 | NCE15MC027 | JITHIN T J | 46 | 44 | 90 | O | 10 |
| 26 | NCE15MC028 | JOHNSON K JOSE | 46 | 44 | 90 | O | 10 |
| 27 | NCE15MC029 | JOSEPH JITHIN PAUL | 42 | 39 | 81 | A | 8.5 |
| 28 | NCE15MC030 | JOVIN DAVIS I | 41 | 40 | 81 | A | 8.5 |
| 29 | NCE15MC031 | JUBY FLIZEBETH JOHN | 46 | 44 | 90 | O | 10 |
| 30 | NCE15MC032 | JUSTIN JOSE | 48 | 47 | 95 | O | 10 |



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Consolidated Mark Entry Sheet

Sub.Code: AU341

Sem/Batch: V / 2016 - 2020

Sub.Name: Design Project

Year/Section: III

Faculty Name: Rejumon R

Academic Year : 2018-2019

Department : Automobile Engineering

| S.No | Register No | Name of the Student | First Review | Second Review | Final Review | Internal Marks | University Results |
|------|-------------|---------------------|--------------|---------------|--------------|----------------|--------------------|
| | | | 20 | 20 | 60 | 100 | |
| 1 | NCE16AU002 | ADITHYA SEKHAR | 14 | 14 | 47 | 75 | B+ |
| 2 | NCE16AU003 | AKHIL PRADEEP | 15 | 16 | 45 | 76 | B+ |
| 3 | NCE16AU004 | AKHIL SHAJI | 13 | 14 | 44 | 71 | B+ |
| 4 | NCE16AU005 | AKSHAY BHASKAR | 13 | 15 | 44 | 72 | B+ |
| 5 | NCE16AU008 | ARUN ANAND | 14 | 13 | 45 | 72 | B+ |
| 6 | NCE16AU010 | GOPIKRISHNAN | 18 | 17 | 51 | 86 | A+ |
| 7 | NCE16AU011 | GOURISANKAR | 15 | 15 | 50 | 80 | A |
| 8 | NCE16AU013 | JOSEPH CHANDY | 18 | 17 | 50 | 85 | A+ |
| 9 | NCE16AU014 | LEVIN LORANCE | 14 | 15 | 46 | 75 | B+ |
| 10 | NCE16AU015 | LINSO SOLOMON | 14 | 15 | 46 | 75 | B+ |
| 11 | NCE16AU017 | MUHAMMED HAFIZ | 17 | 17 | 47 | 81 | A |
| 12 | NCE16AU018 | MUHAMMED SHAROOB | 13 | 14 | 44 | 71 | B+ |
| 13 | NCE16AU019 | NITHIN K DAS | 11 | 13 | 41 | 65 | B |
| 14 | NCE16AU024 | SANJAY C | 17 | 17 | 48 | 82 | A |
| 15 | NCE16AU027 | SREEJITH PS | 15 | 16 | 44 | 75 | B+ |
| 16 | NCE16AU030 | VIMAL D | 13 | 13 | 51 | 77 | B+ |
| 17 | NCE16AU031 | VINEETH M | 13 | 15 | 51 | 79 | B+ |
| 18 | NCE15AU014 | JAYAKRISHNAN | 14 | 16 | 52 | 82 | A |

| Course Outcomes | First Review | Second Review | Final Review | Internal Marks | University Results |
|----------------------|--------------|---------------|--------------|----------------|--------------------|
| Target (%) | 65 | 65 | 65 | 65 | 65 |
| % of target achieved | 94 | 100 | 94 | 94 | 94 |
| Score | 3 | 3 | 3 | 3 | 3 |



[Signature]

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Dist: 680 588, Kerala



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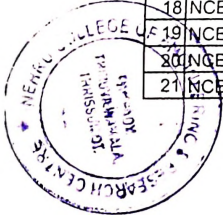
Pampady, Thiruvilwamala, Thrissur Dt.

VIII Semester Electrical & Electronics Engineering - (2016-20)

EE 494 INSTRUMENTATION SYSTEMS - PO CO MAPPING - JUNE 2020

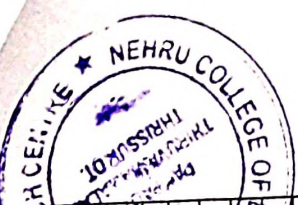


| SL No. | Reg.No | Name | Assignment 1 | Assignment 2 | Assignment 3 | Assignment 4 | Assignment 5 | Assignment 6 | Assignment Average (10) | Series Test 1 | | | Series Test 2 | | | Series Test 1 Avg (20) | Internal marks (50) | University Result | |
|--------|------------|-------------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------------------|---------------|------|------|---------------|------|------|------------------------|---------------------|-------------------|------|
| | | | 10 | 10 | 10 | 10 | 10 | 10 | | 10 | CO 1 | CO 2 | CO 3 | CO 4 | CO 5 | | | | CO 6 |
| 1 | NCE16ME004 | ABHINAND T K | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 5 | 5 | 5 | 15 | 6 | 6 | 6 | 18 | 43 | B |
| 2 | NCE16ME005 | ABHIN K S | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 4 | 3 | 4 | 11 | 7 | 7 | 6 | 20 | 41 | C |
| 3 | NCE16ME014 | AJAY P | 10 | 8 | 8 | 10 | 10 | 10 | 9 | 6 | 6 | 6 | 18 | 6 | 7 | 7 | 20 | 47 | A+ |
| 4 | NCE16ME021 | AKSHAY RAVEENDRAN | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 5 | 4 | 6 | 15 | 5 | 5 | 4 | 14 | 39 | B+ |
| 5 | NCE16ME022 | ALEX PAUL JACOB | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 5 | 5 | 4 | 14 | 6 | 6 | 7 | 19 | 43 | B+ |
| 6 | NCE16ME030 | ANOOP K | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 5 | 6 | 5 | 16 | 6 | 6 | 8 | 20 | 46 | B |
| 7 | NCE16ME033 | ARJUN B G | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 4 | 5 | 4 | 15 | 6 | 7 | 7 | 20 | 45 | C |
| 8 | NCE16ME036 | ARJUN U | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 6 | 6 | 4 | 16 | 7 | 6 | 7 | 20 | 46 | A+ |
| 9 | NCE16ME038 | ARUN KUMAR P S | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 6 | 6 | 5 | 17 | 7 | 6 | 7 | 20 | 47 | O |
| 10 | NCE16ME042 | ASWIN A S | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 7 | 7 | 6 | 20 | 6 | 7 | 7 | 20 | 50 | O |
| 11 | NCE16ME047 | DEEPAK P P | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 5 | 5 | 5 | 17 | 7 | 7 | 6 | 20 | 47 | A+ |
| 12 | NCE16ME050 | ARUN KRISHNA | 8 | 10 | 8 | 10 | 10 | 10 | 9 | 5 | 4 | 6 | 15 | 6 | 7 | 7 | 20 | 44 | A+ |
| 13 | NCE16ME054 | GOVIND G | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 7 | 4 | 5 | 16 | 7 | 7 | 6 | 20 | 46 | O |
| 14 | NCE16ME058 | JINTO THIMOTHY | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 6 | 6 | 6 | 18 | 7 | 7 | 6 | 20 | 48 | O |
| 15 | NCE16ME059 | JISHNU E M | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 7 | 5 | 5 | 17 | 7 | 6 | 7 | 20 | 47 | B+ |
| 16 | NCE16ME069 | MUHAMMED ANEES | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 5 | 5 | 4 | 14 | 7 | 7 | 6 | 20 | 44 | A |
| 17 | NCE16ME073 | NIVED KRISHNAN | 8 | 8 | 8 | 10 | 10 | 10 | 9 | 4 | 5 | 5 | 14 | 6 | 6 | 6 | 18 | 41 | A |
| 18 | NCE16ME081 | RAHUL R | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 5 | 4 | 5 | 14 | 6 | 7 | 7 | 20 | 44 | O |
| 19 | NCE16ME091 | SARATH K | 8 | 8 | 10 | 10 | 10 | 10 | 9 | 6 | 6 | 6 | 18 | 6 | 6 | 4 | 16 | 43 | B+ |
| 20 | NCE16ME092 | SARATH V P | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 4 | 4 | 6 | 14 | 6 | 7 | 7 | 20 | 44 | B+ |
| 21 | NCE16ME100 | SHIYAS M | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 5 | 5 | 6 | 16 | 7 | 6 | 6 | 19 | 45 | B+ |




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 Kerala - 686 565

| SL No. | Reg.No | Name | Assignment 1 | Assignment 2 | Assignment 3 | Assignment 4 | Assignment 5 | Assignment 6 | Assignment Average (10) | Series Test 1 | | | Series Test 1 | Series Test 2 | | | Series Test 1 | Internal marks (50) | University Result |
|--------|------------|-------------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------------------|---------------|------|-----|---------------|---------------|-----|-----|---------------|---------------------|-------------------|
| | | | 10 | 10 | 10 | 10 | 10 | 10 | | 10 | CO 1 | CO2 | CO 3 | Avg (20) | CO4 | CO5 | CO6 | | |
| 22 | NCE16ME113 | VINEETH N V | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 5 | 5 | 4 | 14 | 7 | 6 | 7 | 20 | 44 | O |
| 23 | NCE16ME114 | VIPIN K | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 5 | 5 | 5 | 15 | 6 | 6 | 6 | 18 | 43 | A |
| 24 | NCE16ME118 | VIVEK NAIR P A | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 5 | 4 | 5 | 14 | 6 | 7 | 7 | 20 | 43 | B+ |
| 25 | NCE16MC002 | ADITH SUNDER | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 7 | 8 | 5 | 20 | 7 | 6 | 7 | 20 | 50 | O |
| 26 | NCE16MC004 | AKHIL REGHUNATH | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 6 | 6 | 6 | 18 | 6 | 6 | 6 | 18 | 46 | B+ |
| 27 | NCE16MC005 | AMAL DAS | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 6 | 6 | 5 | 17 | 7 | 6 | 7 | 20 | 47 | A+ |
| 28 | NCE16MC009 | ANIL C A | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 7 | 6 | 7 | 20 | 7 | 7 | 6 | 20 | 50 | O |
| 29 | NCE16MC010 | ANSELM LINSON | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 4 | 4 | 4 | 12 | 7 | 6 | 7 | 20 | 42 | B |
| 30 | NCE16MC013 | ATHUL KRISHNA T J | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 6 | 6 | 7 | 19 | 7 | 7 | 6 | 20 | 49 | A+ |
| 31 | NCE16MC018 | GOVARDHAN P B | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 4 | 5 | 5 | 14 | 7 | 7 | 6 | 20 | 44 | B+ |
| 32 | NCE16MC021 | JITHIN CHERIAN | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 6 | 6 | 8 | 20 | 7 | 7 | 6 | 20 | 50 | O |
| 33 | NCE16MC023 | JITHIN T J | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 7 | 7 | 6 | 20 | 7 | 7 | 6 | 20 | 50 | O |
| 34 | NCE16MC027 | MUHAMMED BASIL S | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 6 | 6 | 6 | 18 | 6 | 6 | 6 | 18 | 46 | B+ |
| 35 | NCE16MC028 | MUHAMMED SHAFI K | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 6 | 6 | 6 | 18 | 6 | 6 | 4 | 16 | 44 | A |
| 36 | NCE16MC029 | NIKHIL | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 7 | 7 | 4 | 18 | 6 | 6 | 8 | 20 | 48 | A+ |
| 37 | NCE16MC031 | PRATHIBA P K | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 5 | 4 | 5 | 14 | 6 | 7 | 7 | 20 | 44 | A+ |
| 38 | NCE16MC032 | RAHUL RAMESH | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 6 | 5 | 6 | 17 | 7 | 6 | 7 | 20 | 47 | A+ |
| 39 | NCE16MC033 | RAMYES N | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 5 | 5 | 4 | 14 | 7 | 6 | 7 | 20 | 44 | B+ |
| 40 | NCE16MC034 | ROBIN JOSEPH | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 6 | 6 | 7 | 19 | 7 | 6 | 7 | 20 | 49 | A+ |
| 41 | NCE16MC036 | ROSHAN SATHAR | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 6 | 6 | 6 | 18 | 6 | 6 | 8 | 20 | 48 | A+ |
| 42 | NCE16MC037 | R VISHNU PRASATH | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 6 | 6 | 6 | 18 | 6 | 6 | 8 | 20 | 48 | A+ |
| 43 | NCE16MC041 | SIDHARTH S | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 7 | 6 | 7 | 20 | 6 | 6 | 8 | 20 | 50 | A+ |
| 44 | NCE16MC043 | SMRUTHI RANJITH | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 4 | 5 | 5 | 14 | 6 | 6 | 8 | 20 | 44 | O |
| 45 | NCE16MC044 | SREEHARI K NAIR | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 4 | 4 | 4 | 12 | 7 | 6 | 7 | 20 | 42 | B+ |
| 46 | NCE16MC047 | VISHNU P | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 5 | 4 | 4 | 14 | 6 | 6 | 4 | 16 | 40 | A |
| 47 | NCE16MC049 | VYSHNAV C V | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 6 | 5 | 5 | 17 | 6 | 7 | 7 | 20 | 47 | A+ |
| 48 | NCE16MC042 | SIMON THOMAS | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 4 | 4 | 5 | 13 | 6 | 7 | 7 | 20 | 43 | B |
| 49 | NCE16MC003 | AKASH KRISHNAN A | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 4 | 5 | 5 | 14 | 6 | 7 | 7 | 20 | 44 | A |



[Handwritten Signature]

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 Calicut, India

| SL No. | Reg.No | Name | Assignment | | | | | | Series Test 1 | | | Series Test 2 | | | Series Test 1 | | Internal marks (50) | University Result |
|--------|------------|-------------------|------------|----|----|----|----|----|---------------|------|------|---------------|------|------|---------------|----------|---------------------|-------------------|
| | | | 10 | 10 | 10 | 10 | 10 | 10 | CO 1 | CO 2 | CO 3 | Avg (20) | CO 4 | CO 5 | CO 6 | Avg (20) | | |
| 50 | NCE16MC001 | ABDUL HAMEED V M | 10 | 10 | 10 | 10 | 10 | 10 | 5 | 5 | 4 | 14 | 6 | 7 | 7 | 20 | 44 | B+ |
| 51 | NCE16MC026 | JEROM MATHEW PAUL | 10 | 10 | 10 | 10 | 10 | 10 | 4 | 4 | 5 | 13 | 6 | 6 | 6 | 18 | 41 | F |
| 52 | NCE16EC019 | ATHUL GOPINATH | 10 | 10 | 10 | 10 | 10 | 10 | 3 | 3 | 2 | 8 | 6 | 6 | 5 | 17 | 35 | F |

| Course Outcomes | A1 | A2 | A3 | A4 | A5 | A6 |
|----------------------|-----|-----|-----|-----|-----|-----|
| Target (%) | 80 | 80 | 80 | 80 | 80 | 80 |
| % of target achieved | 100 | 100 | 100 | 100 | 100 | 100 |
| Score | 3 | 3 | 3 | 3 | 3 | 3 |

| CO1 | CO2 | CO3 |
|-----|-----|-----|
| 70 | 70 | 70 |
| 79 | 75 | 75 |
| 1 | 1 | 1 |

| CO4 | CO5 | CO6 |
|-----|-----|-----|
| 80 | 80 | 80 |
| 98 | 98 | 90 |
| 3 | 3 | 3 |

| INT | UNIV |
|------|------|
| 80 | 70 |
| 96.2 | 92.3 |
| 3 | 3 |

> 90 = 3
 > 80 = 2
 > 70 = 1

FACULTY
 P T RAJEENA MOL



HOD/EEE

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 Pin 591 567 Kerala

NEHRU COLLEGE OF ENGINEERING & RESEARCH CENTRE
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(Accredited by NAAC)

Consolidated Mark Entry Sheet

Sub.Code: CS202
Sub.Name: COMPUTER ORGANIZATION AND ARCHITECTURE
Faculty Name: BABY V

Sem/Batch: 4/2017-2021
Year/Section: 2019/B.Tech

Dept: CSE
Marks: 50

Academic Year: 2018-2019

| S.No | Reg.No | Students Name | ST:01 | | | | ST:02 | | | | Assignment | | | | Total Avg | University result | Grade Point |
|------|------------|---------------------|-------|------|-----|-----|-------|------|-----|-----|------------|------|-----|-----|--------------|----------------------|----------------|
| | | | CO:1 | CO:2 | Tot | Avg | CO:3 | CO:4 | Tot | Avg | CO:5 | CO:6 | Tot | Avg | | | |
| | | | 20 | 20 | 40 | 20 | 20 | 20 | 40 | 20 | 30 | 30 | 60 | 10 | | | |
| 1 | NCE17CS001 | ADITH S | 10 | 10 | 20 | 10 | 17 | 10 | 27 | 14 | 26 | 27 | 53 | 9 | 33 | B | 7 |
| 2 | NCE17CS002 | AFSEENA A | 18 | 18 | 36 | 18 | 7 | 14 | 21 | 11 | 30 | 28 | 58 | 10 | 39 | B | 7 |
| 3 | NCE17CS003 | AISWARYA M | 20 | 15 | 35 | 18 | 12 | 12 | 24 | 12 | 27 | 27 | 54 | 9 | 39 | B+ | 8 |
| 4 | NCE17CS004 | AKARSH K MURTHY | 11 | 3 | 14 | 7 | 9 | 12 | 21 | 11 | 30 | 30 | 60 | 10 | 28 | C | 6 |
| 5 | NCE17CS005 | AKSHAY SANKER M | 17 | 14 | 31 | 16 | 12 | 14 | 26 | 13 | 27 | 27 | 54 | 9 | 38 | B+ | 8 |
| 6 | NCE17CS006 | AMRUTHA R | 19 | 16 | 35 | 18 | 13 | 18 | 31 | 16 | 28 | 28 | 56 | 9 | 43 | B+ | 8 |
| 7 | NCE17CS009 | ANUPAMA V S | 13 | 18 | 31 | 16 | 16 | 5 | 21 | 11 | 28 | 28 | 56 | 9 | 36 | B | 7 |
| 8 | NCE17CS010 | C SILPA | 18 | 14 | 32 | 16 | 8 | 17 | 25 | 13 | 28 | 27 | 55 | 9 | 38 | B | 7 |
| 9 | NCE17CS011 | DEEPIKA R | 17 | 12 | 29 | 15 | 13 | 9 | 22 | 11 | 26 | 28 | 54 | 9 | 35 | B | 7 |
| 10 | NCE17CS012 | DEVIKA S NAIR | 20 | 20 | 40 | 20 | 15 | 20 | 35 | 18 | 27 | 27 | 54 | 9 | 47 | B | 7 |
| 11 | NCE17CS013 | DIVYA P | 19 | 17 | 36 | 18 | 16 | 20 | 36 | 18 | 28 | 29 | 57 | 10 | 46 | B+ | 8 |
| 12 | NCE17CS014 | FATHIMA NASREEN K H | 18 | 20 | 38 | 19 | 13 | 16 | 29 | 15 | 28 | 30 | 58 | 10 | 44 | B+ | 8 |
| 13 | NCE17CS015 | GOUTHAM GOPINATH | 14 | 20 | 34 | 17 | 13 | 18 | 31 | 16 | 23 | 28 | 51 | 9 | 42 | B | 7 |
| 14 | NCE17CS016 | LEENU MATHEW | 18 | 19 | 37 | 19 | 20 | 15 | 35 | 18 | 30 | 30 | 60 | 10 | 47 | O | 10 |
| 15 | NCE17CS017 | LIKHA | 14 | 9 | 23 | 12 | 10 | 19 | 29 | 15 | 28 | 28 | 56 | 9 | 36 | B | 7 |
| 16 | NCE17CS018 | NISHANA N | 15 | 19 | 34 | 17 | 17 | 18 | 35 | 18 | 28 | 29 | 57 | 10 | 45 | B+ | 8 |
| 17 | NCE17CS019 | RISNA C M | 20 | 13 | 33 | 17 | 15 | 14 | 29 | 15 | 30 | 28 | 58 | 10 | 42 | B | 7 |
| 18 | NCE17CS020 | ROHIT BHASKAR UDAY | 19 | 10 | 29 | 15 | 13 | 16 | 29 | 15 | 30 | 25 | 55 | 9 | 39 | B+ | 8 |
| 19 | NCE17CS021 | SAHILA K | 19 | 15 | 34 | 17 | 13 | 17 | 30 | 15 | 27 | 30 | 57 | 10 | 42 | B+ | 8 |
| 20 | NCE17CS022 | A H | 10 | 4 | 14 | 7 | 7 | 12 | 19 | 10 | 25 | 18 | 43 | 7 | 24 | C | 6 |
| 21 | NCE17CS023 | SHIBILA S | 9 | 11 | 20 | 10 | 11 | 10 | 21 | 11 | 27 | 29 | 56 | 9 | 30 | C | 6 |
| 22 | NCE17CS024 | SHINU | 20 | 16 | 36 | 18 | 19 | 15 | 34 | 17 | 29 | 29 | 58 | 10 | 45 | A+ | 9 |
| 23 | NCE17CS025 | SILPA M S | 9 | 18 | 27 | 14 | 17 | 16 | 33 | 17 | 30 | 30 | 60 | 10 | 41 | B | 7 |
| 24 | NCE17CS027 | S SUHAILA | 19 | 14 | 33 | 17 | 8 | 14 | 22 | 11 | 28 | 29 | 57 | 10 | 38 | B | 7 |
| 25 | NCE17CS028 | VIPINDAS V R | 12 | 7 | 19 | 10 | 11 | 10 | 21 | 11 | 30 | 29 | 59 | 10 | 31 | C | 6 |
| 26 | NCE17CS029 | VISHNU H | 17 | 10 | 27 | 14 | 13 | 12 | 25 | 13 | 27 | 27 | 54 | 9 | 36 | B | 7 |

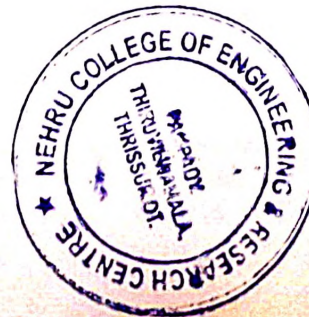
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Pampady Thiruvilwamala Thrissur Dt
Pin - 680 587 Kerala

| | | | | | | | | | | | | | | | | | |
|----|------------|-----------------------|--------|--------|-------|--------|-------|-------|--------|------|-------|-------|------|--------|--------|----|-----|
| 27 | NCE16CS091 | Rasikh Mohammed K | 9 | 13 | 22 | 11 | 7 | 13 | 20 | 10 | 30 | 30 | 60 | 10 | 31 | C | 6 |
| 28 | NCE16CS092 | Reema N.b | 8 | 12 | 20 | 10 | 6 | 12 | 18 | 9 | 30 | 30 | 60 | 10 | 29 | C | 6 |
| 29 | NCE16CS093 | Renjith Krishna Menon | 10 | 15 | 25 | 13 | 11 | 21 | 32 | 16 | 30 | 27 | 57 | 9 | 38 | B+ | 8 |
| 30 | NCE16CS094 | Reshma | 13 | 19 | 32 | 16 | 12 | 24 | 36 | 18 | 30 | 27 | 57 | 9 | 43 | B+ | 8 |
| 31 | NCE16CS096 | Rohith.tr | 12 | 17 | 29 | 15 | 11 | 21 | 32 | 16 | 30 | 27 | 57 | 9 | 40 | B+ | 8 |
| 32 | NCE16CS097 | Roshin Sosa Philip | 12 | 19 | 31 | 16 | 9 | 19 | 28 | 14 | 30 | 30 | 60 | 10 | 40 | B+ | 8 |
| 33 | NCE16CS099 | Shafeeq Rahman C P | 9 | 14 | 23 | 12 | 2 | 4 | 6 | 3 | 30 | 24 | 54 | 9 | 24 | AB | 0 |
| 34 | NCE16CS100 | Shahad S | 13 | 19 | 32 | 16 | 8 | 16 | 24 | 12 | 30 | 30 | 60 | 10 | 38 | B+ | 8 |
| 35 | NCE16CS101 | Shahina V | 12 | 19 | 31 | 16 | 9 | 17 | 26 | 13 | 30 | 30 | 60 | 10 | 39 | B | 7 |
| 36 | NCE16CS102 | Shree Parvathy Devi M | 11 | 16 | 27 | 14 | 6 | 12 | 18 | 9 | 27 | 30 | 57 | 9 | 32 | C | 6 |
| 37 | NCE16CS103 | Sivarajan M | 12 | 19 | 31 | 16 | 11 | 23 | 34 | 17 | 30 | 27 | 57 | 10 | 43 | B+ | 8 |
| 38 | NCE16CS104 | Sneha T | 14 | 21 | 35 | 18 | 12 | 24 | 36 | 18 | 30 | 27 | 57 | 9 | 46 | A+ | 9 |
| 39 | NCE16CS105 | Sreejith D Nair | 10 | 15 | 25 | 13 | 9 | 19 | 28 | 14 | 30 | 30 | 60 | 10 | 38 | B | 7 |
| 40 | NCE16CS107 | Sreeju S | 12 | 17 | 29 | 15 | 10 | 20 | 30 | 15 | 30 | 30 | 60 | 10 | 40 | B | 7 |
| 41 | NCE16CS108 | Sreelakshmi Girisan | 14 | 20 | 34 | 17 | 10 | 20 | 30 | 15 | 30 | 30 | 60 | 10 | 42 | A | 8.5 |
| 42 | NCE16CS109 | Sreelakshmi T V | 14 | 20 | 34 | 17 | 12 | 24 | 36 | 18 | 30 | 30 | 60 | 10 | 45 | B+ | 8 |
| 43 | NCE16CS110 | Sreeshma M | 10 | 14 | 24 | 12 | 10 | 20 | 30 | 15 | 30 | 18 | 48 | 7 | 35 | C | 6 |
| 44 | NCE16CS111 | Srinath G | 9 | 13 | 22 | 11 | 7 | 13 | 20 | 10 | 30 | 30 | 60 | 10 | 31 | F | 0 |
| 45 | NCE16CS112 | Surjith Shankar S | 10 | 14 | 24 | 12 | 4 | 8 | 12 | 6 | 30 | 30 | 60 | 10 | 28 | F | 0 |
| 46 | NCE16CS113 | Swetha N V | 10 | 16 | 26 | 13 | 8 | 16 | 24 | 12 | 30 | 30 | 60 | 10 | 35 | B+ | 8 |
| 47 | NCE16CS114 | Thasini A | 10 | 16 | 26 | 13 | 10 | 20 | 30 | 15 | 30 | 30 | 60 | 10 | 38 | B | 7 |
| 48 | NCE16CS115 | Ummer Hashim M | 6 | 10 | 16 | 8 | 3 | 7 | 10 | 5 | 30 | 24 | 54 | 8 | 25 | AB | 0 |
| 49 | NCE16CS116 | Vani Suresh | 9 | 14 | 23 | 12 | 8 | 16 | 24 | 12 | 30 | 30 | 60 | 10 | 34 | F | 0 |
| 50 | NCE16CS117 | Vignesh.c.r | 11 | 16 | 27 | 14 | 10 | 20 | 30 | 15 | 30 | 30 | 60 | 10 | 39 | B | 7 |
| 51 | NCE16CS118 | Vinayak Dev M | 9 | 14 | 23 | 12 | 7 | 13 | 20 | 10 | 30 | 27 | 57 | 9 | 31 | F | 0 |
| 52 | NCE16CS119 | Vishnuprasad E | 9 | 13 | 22 | 11 | 9 | 19 | 28 | 14 | 30 | 24 | 54 | 8 | 33 | B | 7 |
| 53 | NCE16CS121 | Vydehi K | 12 | 19 | 31 | 16 | 9 | 17 | 26 | 13 | 27 | 30 | 57 | 9 | 38 | B+ | 8 |
| | | AVERAGE(20) | 11 | 16 | 27 | 13 | 9 | 17 | 25 | 13 | 30 | 28 | 57 | 9 | 36 | | 36 |
| | | AVERAGE(3) | 1.6177 | 2.4266 | 2.022 | 2.0222 | 1.294 | 2.521 | 1.9104 | 1.91 | 2.977 | 2.768 | 2.87 | 2.7849 | 2.1396 | | |
| | | ATTAINMENT LEVEL | 1.618 | 2.4266 | | | 1.294 | 2.521 | | | 2.977 | 2.768 | | | | | |

| COURSE OUTCOME | CO1 | CO2 | CO3 | CO4 | CO5 | CO6 | |
|----------------|-----|-----|-----|-----|-----|-----|-----|
| TARGET | 2 | 2 | 2 | 2 | 2 | 2 | 70% |
| ATTAINMENT | 2 | 3 | 2 | 3 | 3 | 3 | 75% |

| * ATTAINMENT | VALUE |
|--------------|-------|
| LOW | 1 |
| MEDIUM | 2 |
| HIGH | 3 |




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 680 024



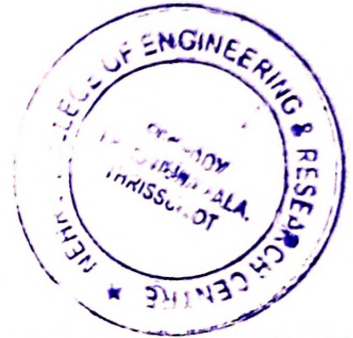
Consolidated Mark Entry Sheet

Sem/ Batch III 2016-19
Year/Section II

Sub Code: RL/MCA 231
Sub Name: DATABASE LAB
Faculty Name: Ms Dheeya

| S.No | Register No | Name of the Student | Expt | | | | | | | | | | Internal Marks | University Results | |
|------|-------------|------------------------|--------------------------------------|----|----|----|----|----|----|----|----|----|----------------|--------------------|----|
| | | | Expt 1 Marks for experiment 70 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | | |
| 1 | NCE16MCA1 | AISWARYA C | 66 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | O |
| 2 | NCE16MCA2 | AISWARYA M A | 66 | 68 | 65 | 69 | 66 | 66 | 66 | 68 | 67 | 67 | 67 | 67 | O |
| 3 | NCE16MCA3 | AISWARYA RAJENDRAN | 66 | 50 | 52 | 49 | 53 | 48 | 51 | 51 | 51 | 51 | 51 | 51 | B+ |
| 4 | NCE16MCA4 | AMUDA K | 66 | 65 | 68 | 66 | 66 | 69 | 68 | 67 | 67 | 67 | 67 | 67 | O |
| 5 | NCE16MCA5 | ATHIRA K | 61 | 62 | 58 | 63 | 57 | 59 | 60 | 60 | 60 | 60 | 60 | 60 | A |
| 6 | NCE16MCA6 | HARITHA K S | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | O |
| 7 | NCE16MCA7 | JIJIN P | 51 | 50 | 53 | 49 | 55 | 51 | 52 | 52 | 52 | 52 | 52 | 52 | B+ |
| 8 | NCE16MCA8 | KARISHMA K | 50 | 52 | 49 | 48 | 53 | 54 | 51 | 51 | 51 | 51 | 51 | 51 | B+ |
| 9 | NCE16MCA9 | MEERAN | 65 | 68 | 67 | 64 | 69 | 63 | 66 | 66 | 66 | 66 | 66 | 66 | O |
| 10 | NCE16MCA10 | MEHAZA NAJEEB | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | O |
| 11 | NCE16MCA11 | MOHAMED MUSTHAFA P | 57 | 53 | 56 | 52 | 58 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | A |
| 12 | NCE16MCA12 | MOUNIKA V | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | O |
| 13 | NCE16MCA13 | M SUKANYA | 70 | 68 | 69 | 69 | 69 | 70 | 68 | 69 | 68 | 69 | 68 | 69 | O |
| 14 | NCE16MCA15 | RESHMA M | 67 | 69 | 68 | 69 | 67 | 67 | 68 | 68 | 68 | 68 | 68 | 68 | O |
| 15 | NCE16MCA16 | RESHMI R | 66 | 65 | 68 | 66 | 69 | 68 | 67 | 68 | 67 | 68 | 67 | 68 | O |
| 16 | NCE16MCA18 | SHIVIN WILSON N | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | O |
| 17 | NCE16MCA19 | SHYAM M S | 61 | 62 | 58 | 63 | 57 | 59 | 60 | 60 | 60 | 60 | 60 | 60 | A |
| 18 | NCE16MCA20 | SILINA K WILSON | 70 | 68 | 69 | 69 | 70 | 68 | 69 | 68 | 69 | 68 | 69 | 68 | O |
| 19 | NCE16MCA21 | SIRIL M R | 60 | 55 | 56 | 61 | 59 | 57 | 58 | 58 | 58 | 58 | 58 | 58 | A |
| 20 | NCE16MCA22 | SREELAKSHMI C | 69 | 67 | 68 | 69 | 67 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | O |
| 21 | NCE16MCA23 | SREENATH M P | 59 | 65 | 63 | 60 | 64 | 61 | 62 | 62 | 62 | 62 | 62 | 62 | A |
| 22 | NCE16MCA24 | SRUTHY M | 61 | 62 | 58 | 63 | 57 | 59 | 60 | 60 | 60 | 60 | 60 | 60 | A |
| 23 | NCE16MCA25 | STEPHY SEBASTIAN | 70 | 68 | 69 | 69 | 70 | 68 | 69 | 69 | 69 | 69 | 69 | 69 | O |
| 24 | NCE16MCA26 | SUMILA S | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | O |
| 25 | NCE16MCA27 | THANISHA NASRIN A | 70 | 68 | 69 | 69 | 70 | 68 | 69 | 68 | 69 | 68 | 69 | 68 | O |
| 26 | NCE16MCA28 | VINDHUJA V | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | O |
| 27 | NCE16MCA29 | VINI C V | 48 | 49 | 52 | 47 | 51 | 53 | 50 | 50 | 50 | 50 | 50 | 50 | B+ |
| 28 | NCE16MCA30 | AISWARYA T JANARDHANAN | 66 | 62 | 60 | 64 | 65 | 61 | 63 | 63 | 63 | 63 | 63 | 63 | O |
| 29 | NCE16MCA031 | AKSHAYA K R | 66 | 62 | 60 | 64 | 65 | 61 | 63 | 63 | 63 | 63 | 63 | 63 | A+ |
| 30 | NCE16MCA032 | ANAS H | 53 | 49 | 48 | 52 | 54 | 50 | 51 | 51 | 51 | 51 | 51 | 51 | B+ |
| 31 | NCE16MCA033 | BEXY ABRAHAM | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | O |
| 32 | NCE16MCA034 | JAYASREE P M | 51 | 50 | 53 | 49 | 55 | 54 | 52 | 52 | 52 | 52 | 52 | 52 | B+ |
| 33 | NCE16MCA035 | KEERTHI C | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | O |
| 34 | NCE16MCA036 | RESHMA V | 59 | 65 | 63 | 64 | 60 | 61 | 62 | 62 | 62 | 62 | 62 | 62 | A+ |
| 35 | NCE16MCA037 | RILY C RIMSON | 59 | 65 | 63 | 60 | 64 | 61 | 62 | 62 | 62 | 62 | 62 | 62 | A+ |
| 36 | NCE16MCA038 | SHIFANA M | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | O |
| 37 | NCE16MCA039 | SRUTHI M | 65 | 61 | 63 | 67 | 66 | 62 | 64 | 64 | 64 | 64 | 64 | 64 | A+ |

| Course Outcomes | Expt 1 | Expt 2 | Expt 3 | Expt 4 | Expt 5 | Expt 6 | Int | Unit Results |
|----------------------|--------|--------|--------|--------|--------|--------|------|--------------|
| Target (%) | 60 | 60 | 60 | 60 | 60 | 60 | 80 | 70 |
| % of target achieved | 73.0 | 78.4 | 70.3 | 81.1 | 97.3 | 100.0 | 81.1 | 100 |
| Score | 2 | 2 | 2 | 3 | 3 | 3 | 2 | 3 |



(Handwritten Signature)

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(Accredited by NAAC)

Consolidated Mark Entry Sheet

Sem/Batch: III / 2016-19

Year/Section: II



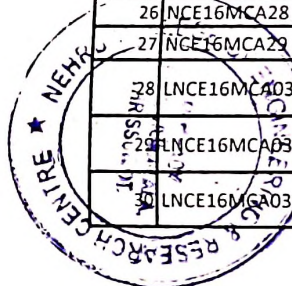
Dept. MCA

Marks: 40

Academic Year: 2017-18

Sub.Code: RL MCA 203
Sub.Name: Software Engineering
Faculty Name: Pramod K

| S.No | Reg.No | Name of the Student | SI 01 | | | | | | SI 02 | | | | | | Assignment | | | | | | Total Internal | University results |
|------|------------|------------------------|-------|----|------|----|-----|------|-------|-----|------|----|-----|------|------------|-----|------|-----|-----|-----|----------------|--------------------|
| | | | CO:1 | | CO:2 | | Tot | Avg | CO:3 | | CO:4 | | Tot | Avg | CO:5 | | CO:6 | | Tot | Avg | | |
| | | | 15 | % | 15 | % | 30 | 15 | 15 | % | 15 | % | 30 | 15 | 5 | % | 5 | % | 10 | 10 | | |
| 1 | NCE16MCA1 | AISWARYA C | 13 | 87 | 12 | 80 | 25 | 12.5 | 12 | 80 | 13 | 87 | 25 | 12.5 | 5 | 100 | 4 | 100 | 9 | 9 | 34 | A |
| 2 | NCE16MCA2 | AISWARYA M A | 13 | 87 | 13 | 87 | 26 | 13 | 14 | 93 | 14 | 93 | 28 | 14 | 5 | 100 | 5 | 100 | 10 | 10 | 37 | B+ |
| 3 | NCE16MCA3 | AISWARYA RAJENDRAN | 12 | 80 | 13 | 87 | 25 | 12.5 | 13 | 87 | 12 | 80 | 25 | 12.5 | 5 | 100 | 5 | 100 | 10 | 10 | 35 | B- |
| 4 | NCE16MCA4 | AMUDA K | 14 | 93 | 13 | 87 | 27 | 13.5 | 13 | 87 | 14 | 93 | 27 | 13.5 | 5 | 100 | 5 | 100 | 10 | 10 | 37 | B |
| 5 | NCE16MCA5 | ATHIRA K | 13 | 87 | 13 | 87 | 26 | 13 | 14 | 93 | 12 | 80 | 26 | 13 | 5 | 100 | 5 | 100 | 10 | 10 | 36 | B |
| 6 | NCE16MCA6 | HARITHA K S | 14 | 93 | 14 | 93 | 28 | 14 | 14 | 93 | 14 | 93 | 28 | 14 | 5 | 100 | 5 | 97 | 10 | 10 | 38 | A- |
| 7 | NCE16MCA7 | JIJIN P | 13 | 87 | 13 | 87 | 26 | 13 | 14 | 93 | 14 | 93 | 28 | 14 | 5 | 100 | 5 | 100 | 10 | 10 | 37 | B- |
| 8 | NCE16MCA8 | KARISHMA K | 10 | 67 | 8 | 53 | 18 | 9 | 15 | 100 | 7 | 47 | 22 | 11 | 5 | 100 | 5 | 100 | 10 | 10 | 30 | A |
| 9 | NCE16MCA9 | MEERA N | 13 | 87 | 12 | 80 | 25 | 12.5 | 12 | 80 | 13 | 87 | 25 | 12.5 | 5 | 100 | 4 | 100 | 9 | 9 | 34 | B |
| 10 | NCE16MCA10 | MEHAZA NAJEEB | 14 | 93 | 14 | 93 | 28 | 14 | 14 | 93 | 14 | 93 | 28 | 14 | 5 | 100 | 5 | 97 | 10 | 10 | 38 | B- |
| 11 | NCE16MCA11 | MOHAMED MUSTHAFA P | 13 | 87 | 13 | 87 | 26 | 13 | 14 | 93 | 12 | 80 | 26 | 13 | 5 | 100 | 5 | 100 | 10 | 10 | 36 | C |
| 12 | NCE16MCA12 | MOUNIKA V | 14 | 93 | 14 | 93 | 28 | 14 | 14 | 93 | 14 | 93 | 28 | 14 | 5 | 100 | 5 | 97 | 10 | 10 | 38 | A- |
| 13 | NCE16MCA13 | M SUKANYA | 14 | 93 | 14 | 93 | 28 | 14 | 14 | 93 | 14 | 93 | 28 | 14 | 5 | 100 | 5 | 97 | 10 | 10 | 38 | A |
| 14 | NCE16MCA15 | RESHMA M | 14 | 93 | 14 | 93 | 28 | 14 | 14 | 93 | 14 | 93 | 28 | 14 | 5 | 100 | 5 | 97 | 10 | 10 | 38 | A- |
| 15 | NCE16MCA16 | RESHMI R | 13 | 87 | 13 | 87 | 26 | 13 | 14 | 93 | 14 | 93 | 28 | 14 | 5 | 100 | 5 | 100 | 10 | 10 | 37 | A |
| 16 | NCE16MCA18 | SHIVIN WILSON N | 13 | 87 | 13 | 87 | 26 | 13 | 14 | 93 | 12 | 80 | 26 | 13 | 5 | 100 | 5 | 100 | 10 | 10 | 36 | C |
| 17 | NCE16MCA19 | SHYAM M S | 12 | 80 | 13 | 87 | 25 | 12.5 | 13 | 87 | 12 | 80 | 25 | 12.5 | 5 | 100 | 5 | 100 | 10 | 10 | 35 | B |
| 18 | NCE16MCA20 | SILNA K WILSON | 13 | 87 | 12 | 80 | 25 | 12.5 | 12 | 80 | 13 | 87 | 25 | 12.5 | 5 | 100 | 4 | 100 | 9 | 9 | 34 | F |
| 19 | NCE16MCA21 | SIRIL M R | 13 | 87 | 13 | 87 | 26 | 13 | 14 | 93 | 14 | 93 | 28 | 14 | 5 | 100 | 5 | 100 | 10 | 10 | 37 | B |
| 20 | NCE16MCA22 | SREELAKSHMI C | 14 | 93 | 14 | 93 | 28 | 14 | 14 | 93 | 14 | 93 | 28 | 14 | 5 | 100 | 5 | 97 | 10 | 10 | 38 | A- |
| 21 | NCE16MCA23 | SREENATH M P | 13 | 87 | 12 | 80 | 25 | 12.5 | 12 | 80 | 13 | 87 | 25 | 12.5 | 5 | 100 | 4 | 100 | 9 | 9 | 34 | F |
| 22 | NCE16MCA24 | SRUTHY M | 12 | 80 | 13 | 87 | 25 | 12.5 | 13 | 87 | 12 | 80 | 25 | 12.5 | 5 | 100 | 5 | 100 | 10 | 10 | 35 | B |
| 23 | NCE16MCA25 | STEPHY SEBASTIAN | 13 | 87 | 13 | 87 | 26 | 13 | 14 | 93 | 14 | 93 | 28 | 14 | 5 | 100 | 5 | 100 | 10 | 10 | 37 | B- |
| 24 | NCE16MCA26 | SUMILA S | 13 | 87 | 13 | 87 | 26 | 13 | 14 | 93 | 14 | 93 | 28 | 14 | 5 | 100 | 5 | 100 | 10 | 10 | 37 | B |
| 25 | NCE16MCA27 | THANSIHA NASRIN A | 13 | 87 | 13 | 87 | 26 | 13 | 14 | 93 | 14 | 93 | 28 | 14 | 5 | 100 | 5 | 100 | 10 | 10 | 37 | B |
| 26 | NCE16MCA28 | VINDHUJA V | 13 | 87 | 13 | 87 | 26 | 13 | 14 | 93 | 12 | 80 | 26 | 13 | 5 | 100 | 5 | 100 | 10 | 10 | 36 | B- |
| 27 | NCE16MCA29 | VINI C V | 13 | 87 | 13 | 87 | 26 | 13 | 14 | 93 | 12 | 80 | 26 | 13 | 5 | 100 | 5 | 100 | 10 | 10 | 36 | B- |
| 28 | NCE16MCA30 | AISWARYA T JANARDHANAN | 13 | 87 | 13 | 87 | 26 | 13 | 14 | 93 | 14 | 93 | 28 | 14 | 5 | 100 | 5 | 100 | 10 | 10 | 37 | B- |
| 29 | NCE16MCA31 | AKSHAYA K R | 14 | 93 | 14 | 93 | 28 | 14 | 14 | 93 | 14 | 93 | 28 | 14 | 5 | 100 | 5 | 97 | 10 | 10 | 38 | A |
| 30 | NCE16MCA37 | ANAS H | 10 | 67 | 10 | 67 | 20 | 10 | 14 | 93 | 10 | 67 | 24 | 12 | 5 | 100 | 5 | 100 | 10 | 10 | 34 | F |



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| | | | | | | | | | | | | | | | | | | | | | | |
|----|--------------|---------------|----|----|----|----|----|----|----|-----|----|----|----|----|---|-----|---|-----|----|----|----|---|
| 32 | LNCE16MCA034 | JAYASREE P M | 10 | 67 | 8 | 53 | 18 | 9 | 15 | 100 | 7 | 47 | 22 | 11 | 5 | 100 | 5 | 100 | 10 | 10 | 30 | B |
| 33 | LNCE16MCA035 | KEERTHI C | 13 | 87 | 13 | 87 | 26 | 13 | 14 | 93 | 14 | 93 | 28 | 14 | 5 | 100 | 5 | 100 | 10 | 10 | 37 | B |
| 34 | LNCE16MCA036 | RESHMA V | 13 | 87 | 13 | 87 | 26 | 13 | 14 | 93 | 14 | 93 | 28 | 14 | 5 | 100 | 5 | 100 | 10 | 10 | 37 | B |
| 35 | LNCE16MCA037 | RILY C RIMSON | 14 | 93 | 14 | 93 | 28 | 14 | 14 | 93 | 14 | 93 | 28 | 14 | 5 | 100 | 5 | 97 | 10 | 10 | 38 | B |
| 36 | LNCE16MCA038 | SHIFANA M | 13 | 87 | 13 | 87 | 26 | 13 | 14 | 93 | 14 | 93 | 28 | 14 | 5 | 100 | 5 | 100 | 10 | 10 | 37 | B |
| 37 | LNCE16MCA039 | SRUTHI M | 14 | 93 | 14 | 93 | 28 | 14 | 14 | 93 | 14 | 93 | 28 | 14 | 5 | 100 | 5 | 97 | 10 | 10 | 38 | B |
| 38 | LNCEMCA033 | BHEXY ABRAHAM | 14 | 93 | 14 | 93 | 28 | 14 | 14 | 93 | 14 | 93 | 28 | 14 | 5 | 100 | 5 | 97 | 10 | 10 | 38 | B |

| Course Outcomes | CO1 | CO2 | CO3 | CO4 | CO5 | CO6 | Univ Results |
|----------------------|------|------|------|------|-------|-------|--------------|
| Target (%) | 70 | 90 | 85 | 90 | 70 | 80 | 90 |
| % of target achieved | 95.0 | 74.0 | 90.0 | 56.0 | 100.0 | 100.0 | 92.3 |
| Score | 3 | 2 | 3 | 1 | 3 | 3 | 3 |




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(Accredited by NAAC)



Consolidated Mark Entry Sheet

Sub.Code: MR451

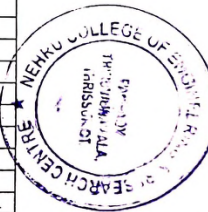
Sub.Name: Seminar & Project Preliminary

Faculty Name: Mr. Midhun Raj

Sem/Batch: S7 / 2016-20

Year/Section: IV

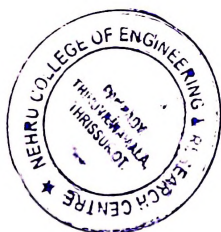
| S.No | Register No | Name of the Student | Review I | Review II | Internal Marks | University Results | Grade Points |
|------|-------------|----------------------|----------|-----------|----------------|--------------------|--------------|
| | | | 50 | 50 | | 100 | |
| 1 | NCE16MC001 | ABDUL HAMEED V M | 43 | 39 | 82 | A | 8.5 |
| 2 | NCE16MC002 | ADITH SUNDER C | 48 | 47 | 95 | O | 10 |
| 3 | NCE16MC003 | AKASHIKRISHNAN A | 45 | 41 | 86 | A+ | 9 |
| 4 | NCE16MC004 | AKHIL REGHUNATH | 45 | 43 | 88 | A+ | 9 |
| 5 | NCE16MC005 | AMAL DAS T S | 40 | 39 | 79 | B+ | 8 |
| 7 | NCE16MC008 | AMAL M A | 41 | 40 | 81 | A | 8.5 |
| 8 | NCE16MC009 | ANIL C A | 48 | 47 | 95 | O | 10 |
| 9 | NCE16MC010 | ANSEEM LINSON | 40 | 41 | 81 | A | 8.5 |
| 10 | NCE16MC011 | ANTONY KOMBAN WINSON | 44 | 40 | 84 | A | 8.5 |
| 11 | NCE16MC013 | ATHULKRISHNA M J | 48 | 46 | 94 | O | 10 |
| 12 | NCE16MC014 | BASIL JOY | 38 | 39 | 77 | B+ | 8 |
| 14 | NCE16MC016 | C R ATHUL SREERAJ | 39 | 39 | 78 | B+ | 8 |
| 15 | NCE16MC018 | GOVARDHAN P B | 40 | 40 | 80 | A | 8.5 |
| 16 | NCE16MC019 | ISSAC K JOY | 46 | 47 | 93 | O | 10 |
| 18 | NCE16MC021 | JITHIN CHIRIAN | 47 | 46 | 93 | O | 10 |
| 19 | NCE16MC023 | JITHIN T J | 48 | 47 | 95 | O | 10 |
| 20 | NCE16MC025 | KIRANDEV K S | 39 | 40 | 79 | B+ | 8 |
| 21 | NCE16MC026 | MIRRI DANIEL ROY | 43 | 44 | 87 | A+ | 9 |
| 22 | NCE16MC027 | MUHAMMAD BASIL S | 42 | 41 | 83 | A | 8.5 |
| 23 | NCE16MC028 | MUHAMMAD SHAFI K | 45 | 44 | 89 | A+ | 9 |
| 24 | NCE16MC029 | NIKHIL | 45 | 45 | 90 | O | 10 |
| 25 | NCE16MC030 | NOURIN | 44 | 41 | 85 | A+ | 9 |
| 26 | NCE16MC031 | PRATHIBHA P K | 43 | 41 | 84 | A | 8.5 |
| 27 | NCE16MC032 | RAMJI RAMISHI | 45 | 43 | 88 | A+ | 9 |
| 28 | NCE16MC033 | RAMIJS N | 45 | 43 | 88 | A+ | 9 |
| 29 | NCE16MC034 | ROBIN JOSEPH | 47 | 44 | 91 | O | 10 |
| 30 | NCE16MC036 | ROSHAN SATHAR A | 45 | 41 | 86 | A+ | 9 |
| 31 | NCE16MC037 | R VISHNU PRASATH | 45 | 43 | 88 | A+ | 9 |
| 32 | NCE16MC038 | SANJAY S | 42 | 37 | 79 | B+ | 8 |
| 33 | NCE16MC039 | SHAMHD S | 43 | 44 | 87 | A+ | 9 |



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|----|-------------|-------------------------|----|----|----|----|-----|
| 34 | NCE16MC040 | SHAIROOQUE SHAIHAHAN | 48 | 46 | 94 | O | 10 |
| 35 | NCE16MC041 | SIDHARTH S | 49 | 45 | 94 | O | 10 |
| 36 | NCE16MC042 | SIMON THOMAS | 44 | 40 | 84 | A | 8.5 |
| 37 | NCE16MC043 | SMRUTHI RANJITH | 43 | 47 | 90 | O | 10 |
| 38 | NCE16MC044 | SREHARI K NAIR | 44 | 41 | 85 | A+ | 9 |
| 39 | NCE16MC045 | SUMITH P S | 41 | 39 | 80 | A | 8.5 |
| 40 | NCE16MC046 | VIKAS V | 45 | 45 | 90 | O | 10 |
| 41 | NCE16MC047 | VISHNU P | 48 | 47 | 95 | O | 10 |
| 42 | NCE16MC048 | VISHNU PRAKASH V | 42 | 38 | 80 | A | 8.5 |
| 43 | NCE16MC049 | VYSHNAV C V | 47 | 46 | 93 | O | 10 |
| 44 | LNCE16MC050 | MIDHUN HEADLEY LAWRANCE | 43 | 43 | 86 | A+ | 9 |
| 45 | NCE15MC026 | JEROM MATHEW PAUL | 42 | 40 | 82 | A | 8.5 |

| Course Outcomes | Review I | Review II | Internal Marks | Grade Points |
|----------------------|----------|-----------|----------------|--------------|
| Target (%) | 80 | 80 | 80 | 80 |
| % of target achieved | 86.6 | 71.1 | 82.2 | 88.8 |
| Score | 3 | 2 | 3 | 3 |




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(Accredited by NAAC)



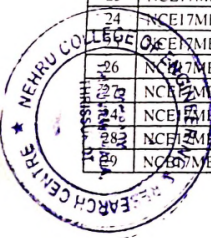
Consolidated Mark Entry Sheet

Sub.Code: 52
Sub.Name: Major Project
Project Co-ordinator: Ms.Chandra Kala. K.R

MBA Trimester 6 2017-19 Batch
2018-19 MBA

Department : MBA
Marks : 100
Academic Year 2018-19

| S.No | Register No | Name of the Student | First Draft | 2nd Draft | Total | Presentatation | Presentatation | Presentatation | Average | Total | Internal Marks | External Marks | University Results |
|------|-------------|---------------------|-------------|-----------|-------|----------------|----------------|----------------|---------|-------|----------------|----------------|--------------------|
| | | | 25 | 25 | 50 | 50 | 50 | 50 | | 100 | 40 | 60 | 100 |
| 1 | NCE17MBA01 | ABHIJITH A U | 22 | 24 | 46 | 21 | 36 | 38 | 32 | 78 | 37 | 38 | 75 |
| 2 | NCE17MBA02 | ABHINA C MOHAN | 15 | 20 | 35 | 24 | 40 | 40 | 35 | 70 | 28 | 42 | 70 |
| 3 | NCE17MBA04 | AKHILA K JOY | 15 | 21 | 36 | 22 | 38 | 38 | 33 | 69 | 29 | 39 | 68 |
| 4 | NCE17MBA05 | ANAS T | 10 | 20 | 30 | 19 | 29 | 34 | 27 | 57 | 24 | 33 | 57 |
| 5 | NCE17MBA06 | ANJALI C V | 15 | 23 | 38 | 20 | 30 | 36 | 29 | 67 | 30 | 34 | 65 |
| 6 | NCE17MBA07 | ANJANA A VARIAR | 15 | 24 | 39 | 23 | 32 | 38 | 31 | 70 | 31 | 37 | 68 |
| 7 | NCE17MBA08 | ANJITHA RAJAN | 22 | 24 | 46 | 30 | 38 | 38 | 35 | 81 | 37 | 42 | 79 |
| 8 | NCE17MBA09 | ANSAR K | 20 | 15 | 35 | 18 | 25 | 30 | 24 | 59 | 28 | 29 | 57 |
| 9 | NCE17MBA10 | ARCHANA A V | 15 | 24 | 39 | 27 | 34 | 38 | 33 | 72 | 31 | 40 | 71 |
| 10 | NCE17MBA11 | ASAD A | 15 | 20 | 35 | 26 | 32 | 38 | 32 | 67 | 28 | 38 | 66 |
| 11 | NCE17MBA12 | ASWATHI A S | 15 | 18 | 33 | 18 | 28 | 35 | 27 | 60 | 26 | 32 | 58 |
| 12 | NCE17MBA13 | ASWIN K | 5 | 23 | 28 | 20 | 32 | 38 | 30 | 58 | 22 | 36 | 58 |
| 13 | NCE17MBA14 | DANY SCARIAH ELIAS | 10 | 20 | 30 | 20 | 32 | 38 | 30 | 60 | 24 | 30 | 54 |
| 14 | NCE17MBA16 | DHANESH K | 10 | 21 | 31 | 23 | 32 | 35 | 30 | 61 | 25 | 36 | 61 |
| 15 | NCE17MBA17 | DRISYA K | 10 | 20 | 30 | 21 | 35 | 40 | 32 | 62 | 24 | 38 | 62 |
| 16 | NCE17MBA18 | FABEENA P K | 9 | 22 | 31 | 20 | 32 | 38 | 30 | 61 | 25 | 36 | 61 |
| 17 | NCE17MBA19 | FATHIMA Y | 21 | 24 | 45 | 22 | 30 | 35 | 29 | 74 | 36 | 35 | 71 |
| 18 | NCE17MBA20 | GAYATHRI P R | 22 | 23 | 45 | 24 | 38 | 40 | 34 | 74 | 36 | 41 | 77 |
| 19 | NCE17MBA21 | GREESHMA K R | 10 | 18 | 28 | 20 | 32 | 40 | 31 | 59 | 22 | 37 | 59 |
| 20 | NCE17MBA22 | HARITHA P R | 22 | 20 | 42 | 18 | 30 | 35 | 28 | 70 | 34 | 33 | 67 |
| 21 | NCE17MBA23 | HARSHASANKAR | 15 | 20 | 42 | 18 | 30 | 25 | 38 | 35 | 28 | 39 | 67 |
| 22 | NCE17MBA25 | JANISHREENAJABBAR | 20 | 18 | 38 | 18 | 28 | 25 | 24 | 62 | 30 | 28 | 58 |
| 23 | NCE17MBA26 | JIBIN I JOSEPH | 20 | 19 | 39 | 23 | 28 | 30 | 27 | 64 | 30 | 31 | 61 |
| 24 | NCE17MBA27 | JITHESH K | 5 | 16 | 21 | 38 | 38 | 25 | 34 | 55 | 19 | 38 | 57 |
| 25 | NCE17MBA28 | JUSTIN P CHERIAN | 12 | 18 | 30 | 30 | 36 | 40 | 35 | 65 | 24 | 42 | 66 |
| 26 | NCE17MBA29 | KRISHNA L JIMON | 16 | 22 | 38 | 19 | 32 | 30 | 27 | 65 | 30 | 32 | 62 |
| 27 | NCE17MBA30 | MANU K V | 0 | 21 | 21 | 35 | 38 | 28 | 34 | 55 | 19 | 38 | 57 |
| 28 | NCE17MBA32 | MUHAMMED FAISAL A | 16 | 22 | 38 | 24 | 32 | 30 | 29 | 62 | 30 | 34 | 64 |
| 29 | NCE17MBA33 | NARAYAN P T | 0 | 21 | 21 | 21 | 33 | 38 | 34 | 55 | 19 | 38 | 57 |
| 30 | NCE17MBA34 | RESHMA P R | 16 | 23 | 39 | 28 | 36 | 35 | 33 | 72 | 31 | 40 | 71 |



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Pin: 680 588 Kerala

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|----|------------|----------------|----|----|----|----|----|----|----|----|----|----|----|
| 30 | NCE17MBA35 | RUIIMA | 20 | 18 | 38 | 22 | 35 | 35 | 31 | 69 | 30 | 37 | 67 |
| 31 | NCE17MBA36 | SHIBLA S | 15 | 20 | 35 | 22 | 35 | 35 | 33 | 68 | 28 | 39 | 67 |
| 32 | NCE17MBA37 | SHIFNA A | 18 | 19 | 37 | 35 | 38 | 38 | 37 | 74 | 30 | 44 | 74 |
| 33 | NCE17MBA38 | SIKHA M | 15 | 16 | 31 | 18 | 28 | 28 | 25 | 56 | 25 | 30 | 55 |
| 34 | NCE17MBA39 | SREENATH O K | 10 | 10 | 20 | 35 | 36 | 34 | 35 | 55 | 19 | 39 | 58 |
| 35 | NCE17MBA40 | SUDHISAGAR T G | 12 | 16 | 28 | 30 | 36 | 40 | 35 | 63 | 22 | 42 | 64 |
| 36 | NCE17MBA41 | SUGATHAN K P | 0 | 18 | 18 | 40 | 42 | 28 | 37 | 55 | 19 | 39 | 58 |
| 37 | NCE17MBA42 | SUKANYA U | 4 | 15 | 19 | 42 | 42 | 25 | 36 | 55 | 19 | 44 | 60 |
| 38 | NCE17MBA43 | SUMESH K V | 10 | 5 | 15 | 40 | 40 | 40 | 40 | 55 | 19 | 41 | 60 |
| 39 | NCE17MBA44 | SWAPNA B K | 20 | 18 | 38 | 25 | 35 | 25 | 28 | 66 | 30 | 34 | 64 |
| 40 | NCE17MBA45 | VISHNU SAHESH | 12 | 10 | 22 | 40 | 40 | 20 | 33 | 55 | 19 | 39 | 58 |
| 41 | JCE16MBA30 | RAFEENASHERNA | 15 | 11 | 26 | 30 | 35 | 22 | 29 | 55 | 21 | 35 | 56 |

| Course Outcome | Project T6 | First Draft | Second Draft | Average | Presentation | Presentation | Presentation | Internal marks | University Results |
|----------------------|------------|-------------|--------------|---------|--------------|--------------|--------------|----------------|--------------------|
| Target (%) | | 60 | 70 | 75 | 50 | 50 | 50 | 60 | 60 |
| % of target achieved | | 70 | 80 | 75 | 70 | 100 | 90 | 90 | 70 |
| Score | | 1 | 2 | 1 | 1 | 3 | 3 | 3 | 1 |

| | |
|--------|---|
| 90-100 | 3 |
| 80-89 | 2 |
| 70-79 | 1 |




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 Thiruvananthapuram, Thiruvananthapuram



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PAMPADY, THIRUVILWAMALA, THIRISSUR, KERALA - 680 588
(Accredited by NAAC)



Consolidated Mark Entry Sheet

Sub.Code: 52

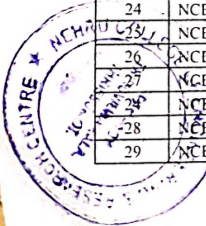
Sub.Name: Major Project

Project Co-ordinator: Ms.Chandra Kala K.R

MBA Trimester 6 (2017-19 Batch)
2018-19 MBA

Department : MBA
Marks : 100
Academic Year : 2018-19

| S.No | Register No | Name of the Student | First Draft | 2nd Draft | Total | Presenta | Presenta | Presenta | Avera | Total | Internal | Internal | University |
|------|-------------|---------------------|-------------|-----------|-------|----------|----------|----------|-------|-------|----------|----------|------------|
| | | | 25 | 25 | 50 | 50 | 50 | 50 | 50 | 100 | 40 | 60 | 100 |
| 1 | NCE17MBA01 | ABHIJITH A U | 22 | 24 | 46 | 21 | 36 | 38 | 32 | 78 | 37 | 38 | 75 |
| 2 | NCE17MBA02 | ABHINA C MOHAN | 15 | 20 | 35 | 24 | 40 | 40 | 35 | 70 | 28 | 42 | 70 |
| 3 | NCE17MBA04 | AKHILA K JOY | 15 | 21 | 36 | 22 | 38 | 38 | 33 | 69 | 29 | 39 | 68 |
| 4 | NCE17MBA05 | ANAS T | 10 | 20 | 30 | 19 | 29 | 34 | 27 | 57 | 24 | 33 | 57 |
| 5 | NCE17MBA06 | ANJALI C V | 15 | 23 | 38 | 20 | 30 | 36 | 29 | 67 | 30 | 34 | 65 |
| 6 | NCE17MBA07 | ANJANA A VARIAR | 15 | 24 | 39 | 23 | 32 | 38 | 31 | 70 | 31 | 37 | 68 |
| 7 | NCE17MBA08 | ANJITHA RAJAN | 22 | 24 | 46 | 30 | 38 | 38 | 35 | 81 | 37 | 42 | 79 |
| 8 | NCE17MBA09 | ANSAR K | 20 | 15 | 35 | 18 | 25 | 30 | 24 | 59 | 28 | 29 | 57 |
| 9 | NCE17MBA10 | ARCHANA A V | 15 | 24 | 39 | 27 | 34 | 38 | 33 | 72 | 31 | 40 | 71 |
| 10 | NCE17MBA11 | ASAD A | 15 | 20 | 35 | 26 | 32 | 38 | 32 | 67 | 28 | 38 | 66 |
| 11 | NCE17MBA12 | ASWATHI A S | 15 | 18 | 33 | 18 | 28 | 35 | 27 | 60 | 26 | 32 | 58 |
| 12 | NCE17MBA13 | ASWIN K | 5 | 23 | 28 | 20 | 32 | 38 | 30 | 58 | 22 | 36 | 58 |
| 13 | NCE17MBA14 | DANY SCARIAH ELIAS | 10 | 20 | 30 | 20 | 32 | 38 | 30 | 60 | 24 | 30 | 54 |
| 14 | NCE17MBA16 | DHANESH K | 10 | 21 | 31 | 23 | 32 | 35 | 30 | 61 | 25 | 36 | 61 |
| 15 | NCE17MBA17 | DRISYA K | 10 | 20 | 30 | 21 | 35 | 40 | 32 | 62 | 24 | 38 | 62 |
| 16 | NCE17MBA18 | FABEENA P K | 9 | 22 | 31 | 20 | 32 | 38 | 30 | 61 | 25 | 36 | 61 |
| 17 | NCE17MBA19 | FATHIMA Y | 21 | 24 | 45 | 22 | 30 | 35 | 29 | 74 | 36 | 35 | 71 |
| 18 | NCE17MBA20 | GAYATHRI P R | 22 | 23 | 45 | 24 | 38 | 40 | 34 | 74 | 36 | 41 | 77 |
| 19 | NCE17MBA21 | GREESHMA K R | 10 | 18 | 28 | 20 | 32 | 40 | 31 | 59 | 22 | 37 | 59 |
| 20 | NCE17MBA22 | HARITHA P R | 22 | 20 | 42 | 18 | 30 | 35 | 28 | 70 | 34 | 33 | 67 |
| 21 | NCE17MBA23 | HARSHASANKAR | 15 | 20 | 35 | 18 | 30 | 35 | 35 | 65 | 28 | 39 | 67 |
| 22 | NCE17MBA25 | JANSHREENAJABBAR | 20 | 18 | 38 | 18 | 28 | 25 | 24 | 62 | 30 | 28 | 58 |
| 23 | NCE17MBA26 | JIBIN T JOSEPH | 20 | 19 | 39 | 23 | 28 | 30 | 27 | 64 | 30 | 31 | 61 |
| 24 | NCE17MBA27 | JITHESH K | 5 | 16 | 21 | 38 | 38 | 25 | 34 | 55 | 19 | 38 | 57 |
| 25 | NCE17MBA28 | JUSTIN P CHERIAN | 12 | 18 | 30 | 30 | 36 | 40 | 35 | 65 | 24 | 42 | 66 |
| 26 | NCE17MBA29 | KRISHNA LIJIMON | 16 | 22 | 38 | 19 | 32 | 30 | 27 | 65 | 30 | 32 | 62 |
| 27 | NCE17MBA30 | MANU K V | 0 | 21 | 21 | 35 | 38 | 28 | 34 | 55 | 19 | 38 | 57 |
| 28 | NCE17MBA32 | MUHAMMED FAISAL A | 16 | 22 | 38 | 24 | 32 | 30 | 29 | 62 | 30 | 34 | 64 |
| 29 | NCE17MBA33 | NARAYAN P T | 0 | 21 | 21 | 21 | 33 | 38 | 34 | 55 | 19 | 38 | 57 |
| 29 | NCE17MBA34 | RESHMA P R | 16 | 23 | 39 | 28 | 36 | 35 | 33 | 72 | 31 | 40 | 71 |



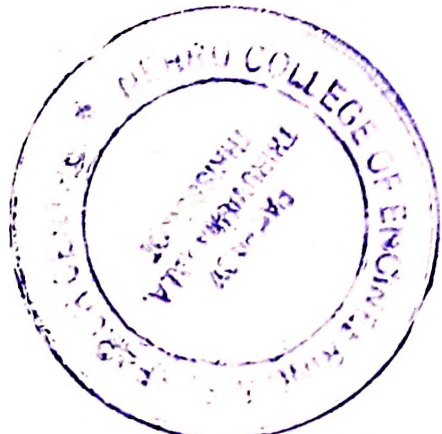
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Kerala

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|----|------------|----------------|----|----|----|----|----|----|----|----|----|----|----|
| 30 | NCE17MBA35 | RUHMA | 20 | 18 | 38 | 22 | 35 | 35 | 31 | 69 | 30 | 37 | 67 |
| 31 | NCE17MBA36 | SHIBLA S | 15 | 20 | 35 | 22 | 35 | 35 | 33 | 68 | 28 | 39 | 67 |
| 32 | NCE17MBA37 | SHIFNA A | 18 | 19 | 37 | 35 | 38 | 38 | 37 | 74 | 30 | 44 | 74 |
| 33 | NCE17MBA38 | SIKHA M | 15 | 16 | 31 | 18 | 28 | 28 | 25 | 56 | 25 | 30 | 55 |
| 34 | NCE17MBA39 | SREENATH O K | 10 | 10 | 20 | 35 | 36 | 34 | 35 | 55 | 19 | 39 | 58 |
| 35 | NCE17MBA40 | SUDHISAGAR T G | 12 | 16 | 28 | 30 | 36 | 40 | 35 | 63 | 22 | 42 | 64 |
| 36 | NCE17MBA41 | SUGATHAN K P | 0 | 18 | 18 | 40 | 42 | 28 | 37 | 55 | 19 | 39 | 58 |
| 37 | NCE17MBA42 | SUKANYA U | 4 | 15 | 19 | 42 | 42 | 25 | 36 | 55 | 19 | 44 | 60 |
| 38 | NCE17MBA43 | SUMESH K V | 10 | 5 | 15 | 40 | 40 | 40 | 40 | 55 | 19 | 41 | 60 |
| 39 | NCE17MBA44 | SWAPNA B K | 20 | 18 | 38 | 25 | 35 | 25 | 28 | 66 | 30 | 34 | 64 |
| 40 | NCE17MBA45 | VISHNU SAIESH | 12 | 10 | 22 | 40 | 40 | 20 | 33 | 55 | 19 | 39 | 58 |
| 41 | JCE16MBA30 | RAFEENASHERNA | 15 | 11 | 26 | 30 | 35 | 22 | 29 | 55 | 21 | 35 | 56 |

| Course Outcomes | Project T6 | First Draft | Second Draft | Average | Presentation | Present ation | Prese ntatio n | Inter nal marks | Univer si ty Results |
|----------------------|------------|-------------|--------------|---------|--------------|---------------|----------------|-----------------|----------------------|
| Target (%) | | 60 | 70 | 70 | 50 | 50 | 50 | 60 | 60 |
| % of target achieved | | 70 | 80 | 75 | 60 | 100 | 90 | 90 | 70 |
| Score | | 1 | 3 | 1 | 0 | 3 | 3 | 3 | 1 |

| | |
|---------|---|
| 90 -100 | 3 |
| 80-89 | 2 |
| 70-79 | 1 |




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Department Of MCA

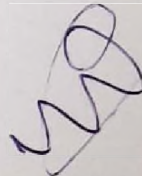
RL MCA 109 DIGITAL FUNDAMENTALS

Assignment Questions September 2016 (2*10=20 marks)

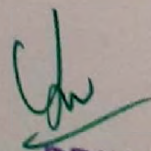
1. Convert the following numbers from the given base to base indicated.
 - a) Binary number 11011.011 to decimal
 - b) Hexadecimal 2AC5D to decimal, Octal and Binary
 - c) Octal 623.77 to decimal, Binary and Hexadecimal
 - d) Decimal 673.23 to Binary
 - e) Decimal 678 to Hexadecimal and Octal
2. Explain BCD Representation and Gray code representation of numbers with examples.



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HoD/MCA



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1. Convert the following Boolean expression in the Product of Sums form.

$$F = X'Y'Z' + XYZ + W'Y$$

2.. Simplify using Boolean Algebra..

a) $\overline{AB+AC+A'B}$

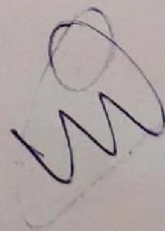
b) $(A+A')(AB+ABC')$

c) $AB+(A'+B')C + AB$

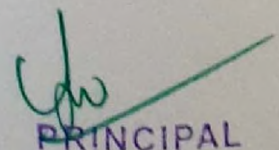
d) $ABCD+AB\overline{CD} + \overline{AB}CD$



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Nehru College Of Engineering & Research centre, Pampady
Department Of MCA

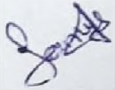
RLMCA 205 DATABASE MANAGEMENT SYSTEMS

Assignment Questions

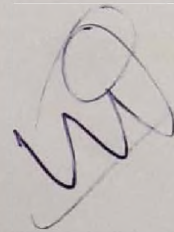
October 2017

(2*10=20 marks)

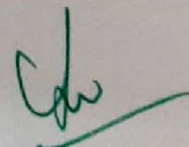
1. How can schedules be categorized based on Recoverability and based on serializability?
2. a) Explain Two Phase locking mechanism.
b) How dead lock can be prevented while using Two Phase Locking technique.



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HOD MCA



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Nehru College Of Engineering And Research Centre, Pampady

Fourth Semester MCA

Assignment Questions February 2018

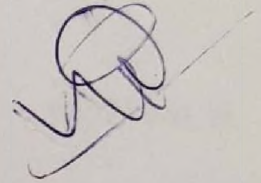
RLMCA204 Big Data Technologies

(2 * 10 = 20 Marks)

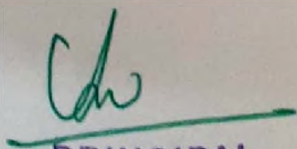
1. State the brief history of Big Data Management.
2. What are the different types of Data Analytics?



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SECOND SEMESTER MCA

Assignment Questions March 2018

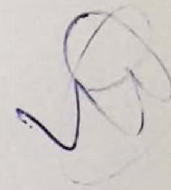
RLMCA112 Computer Organization

(2 *10=20 Marks)

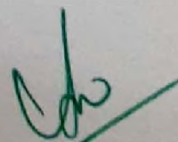
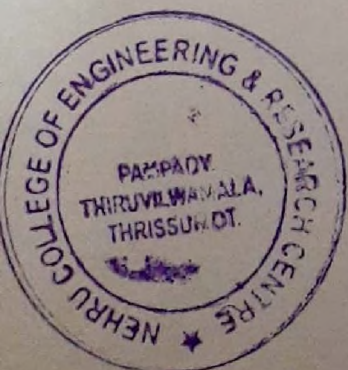
1. Briefly explain standard I/O interfaces.
2. Define PCI and SCSI.



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SECOND SEMESTER MCA

Assignment Questions March 2018

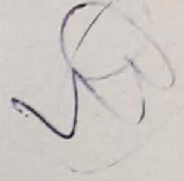
RLMCA112 Computer Organization

(2 * 10 = 20 Marks)

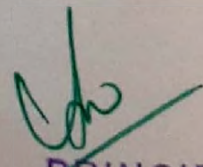
1. Briefly explain standard I/O interfaces.
2. Define PCI and SCSI.



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NEHRU SCHOOL OF MANAGEMENT @ NCERC
NILA GARDENS, PAMPADY
ASSIGNMENT QUESTIONS

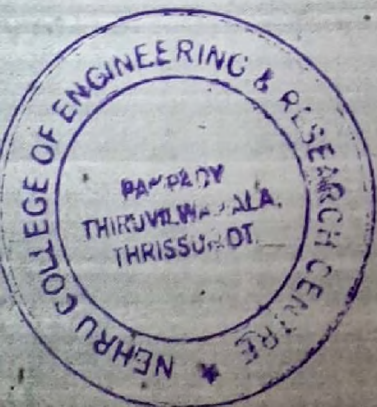
SUBJECT CODE: 14

SUBJECT NAME: BC

- State the definition of communication
- State the difference between one-way communication and two-way communication
- State the vertical and lateral communication channels
- Explain the three major communication media: written, oral and electronic by giving examples

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NEHRU SCHOOL OF MANAGEMENT # 302 VED
NILA GARDENS, PAMPADY

ASSIGNMENT QUESTIONS

SUBJECT CODE: 25

SUBJECT NAME: M.A. III

1. Discuss the do's and don't's of Group Discussion?
2. Prepare a SWOT analysis of yourself and try to map your goals with your future plans.
3. Write the steps to be followed during a personal interview.

Shubh

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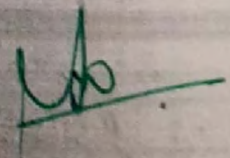
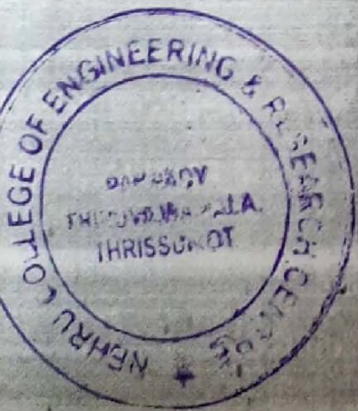
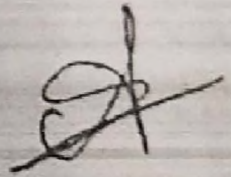
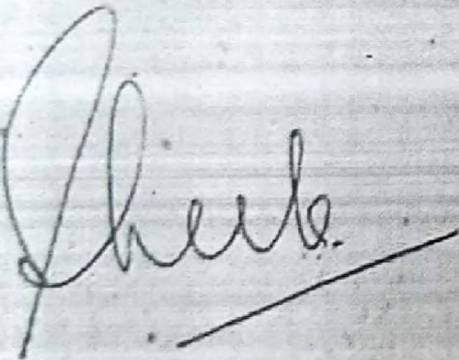
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Pin - 680 597 Kerala

NEHRU SCHOOL OF MANAGEMENT @ NCERC
NILA GARDENS, PAMPADY
ASSIGNMENT QUESTIONS

SUBJECT CODE: 25

SUBJECT NAME: FMI

1. Discuss the factors affecting capital budgeting decisions?
2. Excellent Fan Ltd, needs Rs 5 lakhs for expansion of its activities and it is expected to earn a rate of return of 10% on its investment. The management of the company is considering to finance this amount by retaining profits which otherwise shall be distributed to the shareholders. The shareholders, on an average, are in 60% tax bracket. If the shareholders reinvest their dividends, they will earn 12% on new investment but have to incur a 2% brokerage cost on the purchase of new securities. What is your recommendation to the management?



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T2 MBA(Batch 2019-21)

SUBJECT CODE:

HRT4-3

SUBJECT NAME:

INDUSTRIAL RELATIONS

Assignment: 1

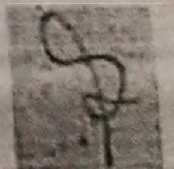
1. What are the legal provisions for settling industrial disputes in India? Suggest measures how to strengthen the settlement machinery.
2. "Role of state in Industrial relations". Discuss



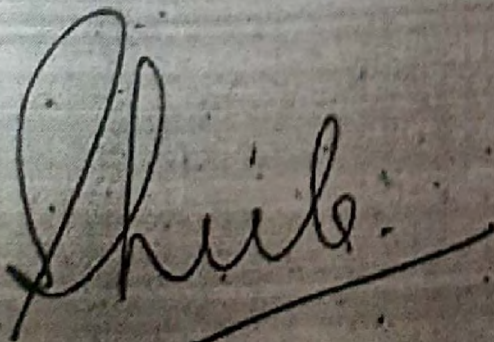
Mr.Sijo Joseph
Asso. Professor
NSM

Assignment: 2

1. Write an essay on IR in India.
2. What is meant by registered trade union? Delineate the process involved in registration of a trade union.



Mr.Sijo Jos
Asso. Profe
NSM



NEHRU COLLEGE, OF MANAGEMENT & STUDY
NILA GARDENS, PAMPADY

12 MBA (Batch 2019-21)

SUBJECT CODE: | MBA21 | SUBJECT NAME: | ORGANISATIONAL BEHAVIOUR |

Assignment 1

1. Describe the methods of empowering employees.
2. What are the important considerations in participation?

Mr. Sijo Joseph
Asso. Professor
NSM

Assignment 2

1. Write in detail on stress prevention and management.
2. What are the different stress moderators?



Mr. Sijo Joseph
Asso. Professor
NSM

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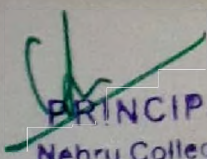
NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE
(NAAC Accredited)
(Approved by AICTE, Affiliated to APJ Abdul Kalam Technological University, Kerala)
Assignment Number-2



| | | | |
|--|---------------------------|---------------------|--------------------------|
| Semester: | Programe: B.TECH | Max.Mark: 10 | |
| Course Code & Name: CS202 Computer Organization & Architecture | Duration: 120 MINS | | |
| Knowledge Level (KL) | K1 : Remembering | K3:Applying | K5: Evaluating |
| Course Outcome Level(COL) | K2: Understanding | K4: Analyzing | K6: Creating |
| Answer all questions | | | 3 x 10 = 30 Marks |

| Sl.No | GROUP I | KL/COL |
|-------|--|--------|
| 1 | What is Memory Transfer? | K1/K2 |
| 2 | How Register transfer logic mode is is operated? | K1/K3 |
| 3 | In which mode the shift micro operations are differ from logic micro operations. | K1/K2 |
| Sl.No | GROUP II | KL/COL |
| 1 | It is a multipurpose register capable of performing not only the add micro operation but many other micro operations. Explain the content. | K1/K2 |
| 2 | Write some uses of Memory Controller and its functional diagram | K1/K3 |
| 3 | Write notes on Locality of references and its types. | K1/K2 |




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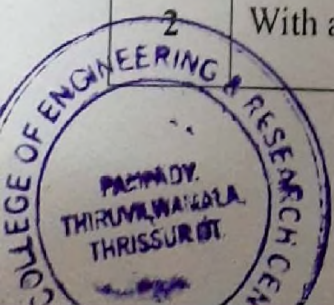


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Assignment Number-II



| | | | |
|---|---------------------------|--------------------------|----------------|
| Semester: | Programe: B.TECH | Max.Mark: 30 | |
| Course Code & Name: CS 206: OBJECT ORIENTED DESIGN AND PROGRAMMING | Duration: 120 MINS | | |
| Knowledge Level (KL) | K1 : Remembering | K3:Applying | K5: Evaluating |
| Course Outcome Level(COL) | K2: Understanding | K4: Analysing | K6: Creating |
| Answer all questions | | 3 x 10 = 30 Marks | |

| Sl.No | GROUP I | KL/COL |
|-------|---|---------|
| 1 | Write a Java program to get the character at the given index within the String | K3/CO4 |
| | Write a Java program to concatenate a given string to the end of another string | K3/CO4 |
| 2 | Discuss the skeleton of an applet | K1/ CO5 |
| 3 | Write a java program to design a data enter form to enter name, branch, address of the students using text fields, buttons and scroll bar respectively. | K5/CO6 |
| Sl.No | GROUP II | KL/COL |
| 1 | Write a Java program to get the character at the given index within the String | K3/CO4 |
| | Write a Java program to concatenate a given string to the end of another string | K3/CO4 |
| 2 | With an example explain creation of applet | K5/CO5 |



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|------------------|---|------------------|
| 3 | Distinguish between choice and list box. Write an AWT based java program to implement basic calculator | K2/CO6 K4/CO6 |
| GROUP III | | |
| Sl.No | | KL/COL |
| 1 | Write a Java program to compare a given string to the specified string buffer Write a Java program to check whether a given string ends with the contents of another string. | K3/CO4 K3/CO4 |
| 2 | Explain about Applet life cycle? | K1/ CO5 |
| 3 | A table named Student exists with fields name, roll number, and marks for three subjects, write a java program to prepare a rank list(name, roll number) of the students based on total marks and display the same Write a program to find addition of two numbers using Frame, TextField, Label, Button,Exception Handling and Event Handling. | K5/CO6 K2/CO6 |

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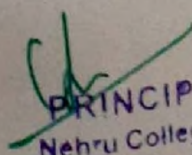
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Assignment Number-2



| | | | |
|--|-------------------------|---------------------------|----------------|
| Semester: | Programe: B.TECH | Max.Mark: 10 | |
| Course Code & Name: CS202 Computer Organization & Architecture | | Duration: 120 MINS | |
| Knowledge Level (KL) | K1 : Remembering | K3:Applying | K5: Evaluating |
| Course Outcome Level(COL) | K2: Understanding | K4: Analyzing | K6: Creating |
| Answer all questions | | 3 x 10 = 30 Marks | |

| Sl.No | GROUP I | KL/COL |
|-------|--|--------|
| 1 | What is Memory Transfer? | K1/K2 |
| 2 | How Register transfer logic mode is is operated? | K1/K3 |
| 3 | In which mode the shift micro operations are differ from logic micro operations. | K1/K2 |
| Sl.No | GROUP II | KL/COL |
| 1 | It is a multipurpose register capable of performing not only the add micro operation but many other micro operations. Explain the content. | K1/K2 |
| 2 | Write some uses of Memory Controller and its functional diagram | K1/K3 |
| 3 | Write notes on Locality of references and its types. | K1/K2 |



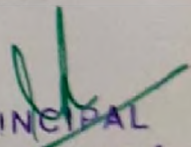

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| GROUP III | | |
|------------------|---|--------|
| Sl.No | | KL/COL |
| 1 | Explain the formation of Flash Memory. | K1/K2 |
| 2 | Differentiate between synchronous and Asynchronous DRAM | K1/K3 |
| 3 | Describe the Memory system and processor to memory hierarchy. | K1/K2 |

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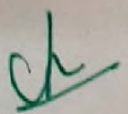
Assignment Number-1

| | | | |
|--|---|-------------------|--------------------------|
| Semester: | Programme: B.TECH | Max.Mark: 30 | |
| Course Code & Name: CS464 Artificial Intelligence | | Duration:120 MINS | |
| Knowledge Level (KL) | K1 : Remembering | K3:Applying | K5: Evaluating |
| Course Outcome Level(COL) | K2: Understanding | K4: Analysing | K6: Creating |
| Answer all questions | | | 3 x 10 = 30 Marks |
| Sl.No | GROUP I | | KL/COL |
| 1 | Write about the history and foundations of AI | | K1/CO1 |
| 2 | Explain about state space search and iterative deepening with DFS | | K2/CO2 |
| 3 | Explain about different learning methods related with AI. | | K5/CO3 |
| Sl.No | GROUP II | | KL/COL |
| 1 | Write about the history of AI | | K1/CO1 |
| 2 | Explain about AO* Algorithm | | K2/CO2 |
| 3 | Explain about machine learning. | | K5/CO3 |

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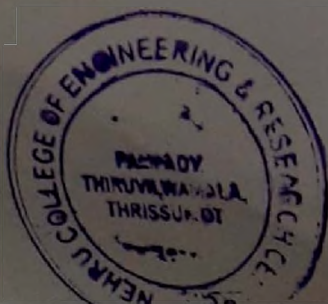
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Assignment Number-II



| | | |
|--|---|--------------------------|
| Semester: | Programme: B.TECH | Max.Mark: 30 |
| Course Code & Name: CS464 Artificial Intelligence | Duration: 120 MINS | |
| Knowledge Level (KL) | K1 : Remembering | K3:Applying |
| Course Outcome Level(COL) | K2: Understanding | K4: Analysing |
| | | K5: Evaluating |
| | | K6: Creating |
| Answer all questions | | 3 x 10 = 30 Marks |
| Sl.No | GROUP I | KL/COL |
| 1 | Explain about min-max procedure. | K2/CO4 |
| 2 | Explain about Backpropagation learning with example NETTALK | K2/CO5 |
| 3 | Write the difference between predicate calculus and first order logic | K5/CO6 |
| Sl.No | GROUP II | KL/COL |
| 1 | Write about alpha beta pruning | K2/CO4 |
| 2 | Explain nettalk in relation with backpropagation learning. | K2/CO5 |
| 3 | Explain about natural language applications. | K5/CO6 |

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EE201 Circuits and Networks
Assignment II

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|---|-------------------|-------------------|-------------------|
| Semester: III | Programme: B.TECH | Max. Mark: 30 | |
| Course Code & Name: EE201 Circuits and Networks | | Duration: 60 MINS | |
| Knowledge Level (KL) | K1 : Remembering | K3: Applying | K5: Evaluating |
| Course Outcome Level (COL) | K2: Understanding | K4: Analysing | K6: Creating |
| Answer all questions | | | 3 x 10 = 20 Marks |

| Sl.No | Questions | KL/COL |
|-------|---|--------|
| 1 | i) Explain the functions of a Hurwitz Polynomial. ii) Explain the functions of a Positive Real Function. | K2/CO6 |
| 2 | i) Find the second Foster form of a LC network represented by $Y(s) = (5s^2+1) / (s(2s^2+1))$ ii) Realize the given RC impedance function in first Foster form. $Z(s) = (s^2+4s+3) / (s^2+6s+8)$ | K5/CO6 |
| 3 | i) Synthesize the impedance function $Z(s) = (s^2+2)(s^2+4) / (s((s^2+3)(s^2+5)))$ using first form of Cauer Network. ii) Find the Cauer Form II realization of the function $4((s^2+1)(s^2+16)) / (s(s^2+9))$ | K5/CO6 |

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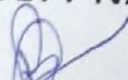


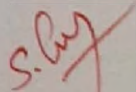
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Assignment I
EC201 NETWORK THEORY


| Semester: III | Programe: B.TECH | Max.Mark: 30 | |
|--|--|--------------------|-----------------|
| Course Code & Name: EC201 NETWORK THEORY | | Duration: 120 MINS | |
| Knowledge Level (KL) | K1 : Remembering | K3: Applying | K5: Evaluating |
| Course Outcome Level(COL) | K2: Understanding | K4: Analysing | K6: Creating |
| Answer all questions | | | 3x10 = 30 Marks |
| Sl.No | Questions | | KL/COL |
| 1 | Assess the Transient analysis of RC network with unit impulse and unit step signal. | | K6/CO3 |
| 2 | Construct the Time domain response from pole zero plot. | | K5/CO4 |
| 3 | Using the pole-zero plot find magnitude and phase of the function. $F(s) = \frac{(S+1)(S+3)}{S(S+2)}$ at $S=j4$ | | K6/CO4 |

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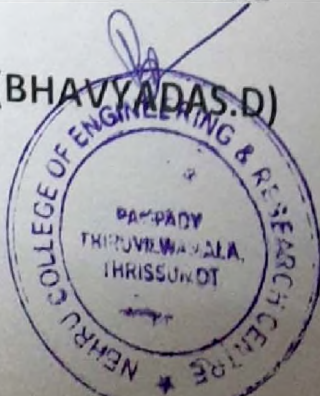
Assignment I
EC 306 ANTENNA AND WAVE PROPOGATION

| Semester: VI | Programme: B.TECH | Max.Mark: 30 | |
|--|--|--------------------|----------------|
| Course Code & Name: EC 306 ANTENNA AND WAVE PROPOGATION | | Duration: 120 MINS | |
| Knowledge Level (KL) | K1 : Remembering | K3: Applying | K5: Evaluating |
| Course Outcome Level (COL) | K2: Understanding | K4: Analysing | K6: Creating |
| Answer all questions | | 3 x 10 = 30 Marks | |
| Sl.No | Questions | KL/COL | |
| 1 | Derive expressions for the Far Field components and Radiation Resistance of a half wave dipole. | K4/CO2 | |
| 2 | Design a 7 element broadside array which has the optimum pattern for a side lobe level of -20dB. The spacing between element has to be $\lambda/2$. | K6/CO3 | |
| 3 | Design a broadside Dolph-chebyshev array of 10 elements with spacing of $d=\lambda/2$ between the elements and major to minor lobe ratio of 26dB. | K6/CO3 | |

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Assignment I
EC 405 Optical Communication

| Semester: VII | Programe: B.TECH | Max. Mark: 30 | |
|--|---|--------------------|-------------------|
| Course Code & Name: EC 405 Optical Communication | | Duration: 120 MINS | |
| Knowledge Level (KL) | K1 : Remembering | K3: Applying | K5: Evaluating |
| Course Outcome Level(COL) | K2: Understanding | K4: Analysing | K6: Creating |
| Answer all questions | | | 3 x 10 = 30 Marks |
| Sl.No | Questions | KL/COL | |
| 1 | Discuss the structure and explain the operation of LASER | K2/CO2 | |
| 2 | Explain the structure of single and multimode optical fibers with cross section and ray path. | K3/CO1 | |
| 3 | Draw the neat diagram of planar LED structures and DOME LED structure and explain it. | K3/CO2 | |

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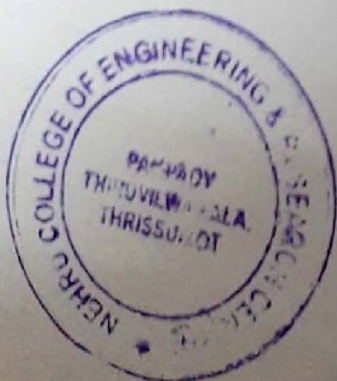
Assignment I
EC465 MEMS

| Semester: VII | Programme: B.TECH | Max.Marks: 30 | |
|--------------------------------|--|--------------------|----------------|
| Course Code & Name: EC465 MEMS | | Duration: 120 MINS | |
| Knowledge Level (KL) | K1 : Remembering | K3:Applying | K5: Evaluating |
| Course Outcome Level(COL) | K2: Understanding | K4: Analysing | K6: Creating |
| Answer all questions | | 3 x 10 = 30 Marks | |
| SLNo | Questions | KL/COL | |
| 1 | Interpret the scaling in Rigid Body Dynamics and fluid mechanics | K6/CO4 | |
| 2 | Revise on Polycrystalline Silicon and Silicon Piezo resistors | K5/CO3 | |
| 3 | Conclude the Schematic arrangement of Ion implantation | K6/CO4 | |

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