**AMRUTVAHINI COLLEGE OF ENGINEERING, SANGAMNER**

**Course Outcome-Attainment Sheet**

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| **Course:** | Foundations of Communication and Computer Network(FCCN) | **Target** | 49 |
| **Course ID:** | **C211** | Level 1 (% students above class avg) | 47 |
| **Class:** | SE IT | Level 2 (% students above class avg) | 50 |
| **Pattern:** | 2015: Semester-II | Level 3 (% students above class avg) | 53 |
| **Acad Year:** | 2019-20 |  |  |
| **Course coordinator** | Dr. B.L. Gunjal | Internal Assessment(IA) | 20% |
|  |  | External Assessment (EA) | 80% |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sr No. | Roll No. | Seat No. | Name of the student | CO1 | | | CO2 | | | CO3 | | | CO4 | | | CO5 | | CO6 | | End Sem |
| Assessment Tool | Ass.1 | UT1 | Pre | Ass.2 | UT1 | Pre | Ass.3 | UT2 | Pre | Ass.4 | UT2 | Pre | Ass.5 | Pre | Ass.6 | Pre | UR |
| Total Marks | 10 | 12 | 6 | 10 | 13 | 6 | 10 | 12 | 6 | 10 | 13 | 7 | 10 | 12 | 10 | 13 | 100 |
| 1 | 1 | 71902299B | Amrutkar Kalyani Kiran | 9 | 11 | 5 | 9 | 3 | 6 | 8 | 6 | 6 | 9 | 10 | 6 | 8 | 11 | 9 | 6 | 75 |
| 2 | 3 | 71902320D | Baldwa Sakshi Sunil | 8 | AB | 6 | 9 | AB | 5 | 8 | 6 | 6 | 9 | 12 | 5 | 8 | 12 | 9 | 12 | 80 |
| 3 | 4 | 71902322L | Bambere Prachi Gorakh | 8 | 7 | 5 | 8 | 12 | 4 | 8 | 5 | 6 | 9 | 12 | 5 | 8 | 11 | 9 | 11 | 74 |
| 4 | 6 | 71902329H | Baviskar Manasi Yuvaraj | 8 | 10 | 5 | 8 | 3 | 5 | 8 | 4 | 6 | 9 | 12 | 5 | 8 | 10 | 9 | 10 | 77 |
| 5 | 7 | 71902337J | Bhakare Mahesh Santosh | 8 | AB | 5 | 8 | AB | 5 | 8 | 6 | 6 | 9 | 12 | 5 | 8 | 10 | 9 | 10 | 78 |
| 6 | 8 | 71902349B | Bhawar Shivam Ashok | 9 | 8 | 6 | 8 | 11 | 0 | 8 | 6 | 6 | 8 | 12 | 4 | 8 | 12 | 9 | 10 | 73 |
| 7 | 9 | 71902359K | Bhukan Pratiksha Popat | 9 | 12 | 6 | 9 | 6 | 5 | 8 | 7 | 6 | 8 | 12 | 5 | 8 | 10 | 8 | 11 | 84 |
| 8 | 10 | 71902366B | Borhade Pratik Ashok | 9 | 12 | 3 | 9 | 9 | 6 | 8 | 7 | 5 | 8 | 12 | 5 | 8 | 10 | 8 | 9 | 83 |
| 9 | 12 | 71902370L | Chaudhari Abhijit Ambadas | 9 | 9 | 4 | 9 | 12 | 4 | 8 | 12 | 5 | 8 | 12 | 3 | 8 | 9 | 8 | 10 | 81 |
| 10 | 13 | 71902372G | Chaudhari Dipali Bajirao | 9 | 7 | 6 | 9 | 10 | 4 | 8 | 10 | 6 | 9 | 8 | 4 | 8 | 5 | 8 | 8 | 75 |
| 11 | 14 | 71800156H | Date Siddhesh Bhau | 9 | 11 | 4 | 9 | 6 | 5 | 8 | 8 | 6 | 9 | 9 | 3 | 8 | 9 | 9 | 0 | 71 |
| 12 | 15 | 71902390E | Deo Divya Digambar | 9 | 11 | 4 | 9 | 10 | 5 | 8 | AB | 6 | 9 | AB | 0 | 8 | 11 | 9 | 10 | 81 |
| 13 | 16 | 71902394H | Deshmukh Akshay Sudhir | 9 | 12 | 5 | 9 | 7 | 5 | 8 | 6 | 6 | 9 | 10 | 5 | 8 | 10 | 9 | 10 | 79 |
| 14 | 17 | 71603152D | Deshmukh Chetan Ganpat | 8 | 12 | 5 | 9 | 5 | 6 | 8 | 6 | 6 | 9 | 6 | 5 | 8 | 5 | 9 | 10 | 73 |
| 15 | 18 | 71902400F | Deshmukh Om Balasaheb | 8 | 5 | 5 | 9 | 8 | 5 | 8 | 6 | 5 | 9 | 6 | 3 | 8 | 10 | 9 | 9 | 66 |
| 16 | 19 | 71902409K | Deshpande Yash Narendra | 8 | 4 | 5 | 9 | 10 | 5 | 8 | AB | 6 | 9 | AB | 5 | 8 | 11 | 9 | 11 | 73 |
| 17 | 20 | 71902413H | Dhakane Saurabh Subhash | 8 | 11 | 5 | 9 | 8 | 5 | 9 | 6 | 6 | 9 | 12 | 5 | 8 | 11 | 9 | 0 | 74 |
| 18 | 22 | 71902428F | Dighe Nita Sanjay | 9 | 11 | 5 | 8 | 11 | 5 | 9 | 6 | 6 | 9 | 6 | 4 | 8 | 11 | 9 | 9 | 73 |
| 19 | 24 | 71800223H | Gadakh Dhanashree Sunil | 9 | 12 | 5 | 8 | 9 | 6 | 9 | 6 | 6 | 9 | 12 | 4 | 8 | 11 | 9 | 9 | 77 |
| 20 | 25 | 71902448L | Gadekar Shital Kishor | 8 | 11 | 5 | 8 | 8 | 6 | 9 | 6 | 6 | 9 | 10 | 5 | 8 | 10 | 9 | 11 | 78 |
| 21 | 26 | 71902470G | Ghuge Prashant Prabhakar | 8 | 6 | 5 | 8 | 6 | 5 | 9 | 6 | 5 | 9 | 6 | 4 | 9 | 10 | 9 | 6 | 68 |
| 22 | 27 | 71902477D | Ghule Rajeshwari Satish | 8 | 12 | 5 | 9 | 12 | 6 | 9 | 12 | 6 | 9 | 11 | 5 | 9 | 11 | 9 | 9 | 85 |
| 23 | 28 | 71800309J | Gunjal Vikas Ganpat | 8 | 10 | 5 | 9 | 8 | 4 | 9 | 11 | 6 | 9 | 9 | 4 | 9 | 6 | 8 | 8 | 73 |
| 24 | 29 | 71902513D | Hase Shubhangi Bharat | 9 | 10 | 5 | 9 | 6 | 6 | 9 | 6 | 6 | 9 | 11 | 5 | 9 | 11 | 8 | 11 | 71 |
| 25 | 30 | 71902522C | Jadhav Pratiksha Sitaram | 9 | 12 | 5 | 9 | 8 | 6 | 9 | 4 | 6 | 8 | 11 | 0 | 9 | 11 | 8 | 10 | 73 |
| 26 | 31 | 71902526F | Jadhav Suyash Ramesh | 9 | 12 | 5 | 9 | 6 | 5 | 9 | 7 | 6 | 8 | 8 | 4 | 9 | 10 | 8 | 10 | 81 |
| 27 | 32 | 71902529L | Jagdale Saurabh Sanjay | 9 | AB | 5 | 9 | AB | 5 | 9 | 4 | 6 | 8 | 4 | 4 | 9 | 11 | 9 | 5 | 54 |
| 28 | 33 | 71902535E | Jawale Swapnali Raosaheb | 9 | 12 | 6 | 9 | 9 | 6 | 9 | 5 | 5 | 8 | 12 | 6 | 9 | 10 | 9 | 11 | 74 |
| 29 | 34 | 71902544D | Joshi Onkar Sharad | 9 | 12 | 5 | 9 | 7 | 4 | 8 | 12 | 6 | 9 | 7 | 4 | 9 | 10 | 9 | 9 | 80 |
| 30 | 35 | 71800362E | Kadhane Aditi Ulhas | 9 | 12 | 5 | 9 | 5 | 5 | 8 | 11 | 6 | 9 | 12 | 4 | 9 | 10 | 9 | 0 | 75 |
| 31 | 36 | 71902554M | Kadlag Utkarsha Rajendra | 9 | 10 | 5 | 9 | 5 | 5 | 8 | 7 | 5 | 9 | 5 | 0 | 9 | 9 | 9 | 10 | 61 |
| 32 | 37 | 71902572K | Kanawade Samiksha R. | 9 | 12 | 5 | 9 | 8 | 5 | 8 | 6 | 6 | 9 | 12 | 4 | 9 | 10 | 9 | 9 | 78 |
| 33 | 38 | 71902568M | Kanawade Aniket Kiran | 9 | 10 | 5 | 9 | 4 | 6 | 8 | 7 | 6 | 9 | 11 | 0 | 8 | 5 | 9 | 5 | 65 |
| 34 | 39 | 71902583E | Katkhade Dattatraya Jankiram | 9 | 12 | 5 | 9 | 10 | 5 | 8 | 12 | 5 | 9 | 11 | 5 | 8 | 10 | 9 | 8 | 83 |
| 35 | 40 | 71902584C | Katore Aishwarya Vilas | 9 | 12 | 5 | 9 | 7 | 5 | 8 | 12 | 6 | 9 | 10 | 5 | 8 | 11 | 9 | 10 | 83 |
| 36 | 42 | 71902605K | Khatode Smita Ramnath | 9 | 12 | 5 | 9 | 8 | 5 | 9 | 6 | 6 | 9 | 11 | 4 | 8 | 10 | 9 | 11 | 85 |
| 37 | 43 | 71902608D | Khemnar Shaswati Kisan | 9 | 8 | 5 | 9 | 6 | 4 | 9 | 5 | 6 | 9 | 10 | 2 | 8 | 12 | 9 | 0 | 66 |
| 38 | 44 | 71902613L | Khule Vaishnavi Dhananjay | 9 | AB | 4 | 9 | AB | 4 | 9 | 6 | 5 | 9 | 12 | 3 | 8 | 11 | 9 | 9 | 68 |
| 39 | 45 | 71902641F | Mali Shubham Sopan | 9 | AB | 5 | 9 | AB | 5 | 9 | 4 | 6 | 9 | 3 | 5 | 8 | 9 | 8 | 5 | 56 |
| 40 | 46 | 71902646G | Mandlik Vaishnav Vilas | 9 | 8 | 5 | 9 | 8 | 4 | 9 | 6 | 5 | 8 | 11 | 0 | 8 | 6 | 8 | 5 | 72 |
| 41 | 47 | 71902655F | Minde Poonam Gorakshanath | 9 | 10 | 6 | 8 | 6 | 3 | 9 | 5 | 6 | 8 | 12 | 4 | 8 | 11 | 8 | 10 | 74 |
| 42 | 48 | 71902659J | More Pranjal Thakaram | 8 | 12 | 6 | 8 | 6 | 6 | 9 | 6 | 6 | 8 | 12 | 5 | 8 | 11 | 8 | 12 | 81 |
| 43 | 50 | 71902710B | Patil Lalit Shashikant | 8 | 12 | 5 | 8 | 5 | 5 | 9 | 5 | 6 | 8 | 12 | 0 | 8 | 5 | 9 | 9 | 69 |
| 44 | 51 | 71902717K | Patil Vaidehi Shirish | 8 | 12 | 5 | 8 | 5 | 5 | 9 | 6 | 6 | 9 | 6 | 5 | 8 | 11 | 9 | 10 | 76 |
| 45 | 53 | 71902747M | Phatangare Abhilasha Ramesh | 8 | 12 | 6 | 9 | 7 | 6 | 9 | 6 | 6 | 9 | 12 | 5 | 8 | 11 | 9 | 11 | 82 |
| 46 | 54 | 71902754D | Pote Pranavi Vijay | 9 | 10 | 6 | 9 | 5 | 5 | 9 | 6 | 6 | 9 | 12 | 5 | 8 | 11 | 9 | 10 | 83 |
| 47 | 55 | 71902757J | Puranik Rituja Yogesh | 9 | 6 | 5 | 9 | 12 | 5 | 9 | 6 | 5 | 9 | 6 | 4 | 8 | 10 | 9 | 10 | 79 |
| 48 | 56 | 71902766H | Rakshe Manish Dnyandeo | 9 | 11 | 5 | 9 | 3 | 5 | 8 | 5 | 5 | 9 | 6 | 5 | 8 | 9 | 9 | 7 | 65 |
| 49 | 57 | 71902793E | Sangamnerkar Pinak Shishir | 9 | 12 | 5 | 9 | 8 | 5 | 8 | 11 | 6 | 9 | 12 | 5 | 8 | 11 | 9 | 10 | 84 |
| 50 | 59 | 71800732J | Saurabh Balasaheb Satpute | 9 | 10 | 4 | 9 | 5 | 5 | 8 | 6 | 5 | 9 | 12 | 3 | 8 | 9 | 9 | 9 | 79 |
| 51 | 60 | 71902829K | Shinde Mrunal Santosh | 9 | 12 | 5 | 9 | 11 | 5 | 8 | 12 | 6 | 9 | 12 | 4 | 8 | 10 | 9 | 10 | 87 |
| 52 | 61 | 71902836B | Shinde Samruddhi Babasaheb | 9 | 7 | 0 | 9 | 2 | 0 | 8 | AB | 0 | 9 | AB | 0 | 8 | 10 | 8 | 10 | 57 |
| 53 | 63 | 71800809L | Sonawane Shraddha Shriram | 9 | 12 | 5 | 8 | 2 | 5 | 8 | 11 | 5 | 9 | 12 | 4 | 9 | 11 | 8 | 5 | 74 |
| 54 | 64 | 71902862M | Tapal Vrushali Ramesh | 9 | 12 | 6 | 8 | 4 | 5 | 8 | 6 | 6 | 9 | 6 | 5 | 9 | 12 | 8 | 11 | 76 |
| 55 | 65 | 71902873G | Thorat Rutuja Rajendra | 9 | 12 | 5 | 8 | 7 | 5 | 8 | 5 | 6 | 9 | 6 | 4 | 9 | 10 | 8 | 5 | 72 |
| 56 | 66 | 71902875C | Totala Pranav Lakmikant | 9 | AB | 5 | 8 | AB | 5 | 8 | 4 | 6 | 8 | 4 | 4 | 9 | 11 | 9 | 9 | 63 |
| 57 | 68 | 71703500L | Wakchaure Vaibhav Ravindra | 9 | AB | 5 | 9 | AB | 5 | 8 | 4 | 5 | 8 | 12 | 4 | 9 | 11 | 9 | 5 | 57 |
| 58 | 69 | 71902911C | Walke Nayana Arjun | 9 | 9 | 6 | 9 | 4 | 0 | 8 | AB | 5 | 8 | AB | 5 | 9 | 11 | 9 | 10 | 64 |
| 59 | 71 | 71800239D | Gaikwad Prathamesh Sudam | 9 | 10 | 5 | 9 | 7 | 4 | 8 | 7 | 5 | 8 | 10 | 4 | 9 | 9 | 9 | 9 | 64 |
| 60 | 72 | 71902503G | Gunjal Sampada Ramesh | 9 | 12 | 5 | 9 | 11 | 6 | 8 | 12 | 6 | 9 | 12 | 5 | 9 | 12 | 9 | 12 | 84 |
| 61 | 73 | 71902817F | Shelke Aditya Sanjay | 9 | 11 | 5 | 8 | 6 | 5 | 8 | 2 | 6 | 9 | 6 | 5 | 9 | 11 | 9 | 11 | 68 |
| 62 | 74 | 71902484G | Gite Nikita Rajendra | 9 | 12 | 4 | 8 | 9 | 5 | 8 | 8 | 6 | 9 | 12 | 5 | 9 | 12 | 9 | 11 | 75 |
| 63 | 75 | 72000489G | Deshmukh Shrunkhala N. | 9 | 12 | 6 | 8 | 10 | 6 | 9 | 9 | 6 | 9 | 11 | 5 | 9 | 12 | 9 | 11 | 83 |
| 64 | 76 | 72000490L | Ithape Pradnya Rajendra | 9 | 12 | 6 | 8 | 12 | 6 | 9 | 10 | 6 | 8 | 12 | 4 | 9 | 11 | 9 | 11 | 84 |
| 65 | 77 | 72000496K | Shruti Somnath Jadhav | 9 | 12 | 6 | 9 | 9 | 5 | 9 | 6 | 6 | 8 | 12 | 5 | 8 | 12 | 9 | 10 | 82 |
| 66 | 78 | 72000491J | Jape Udayshree Dilip | 8 | 12 | 6 | 9 | 3 | 6 | 9 | AB | 6 | 8 | AB | 5 | 8 | 11 | 9 | 11 | 73 |
| 67 | 79 | 72000492G | Narwade Arti Prabhakar | 8 | 12 | 6 | 8 | 11 | 6 | 9 | 9 | 6 | 8 | 12 | 5 | 8 | 12 | 9 | 11 | 86 |
| 68 | 80 | 72000494C | Satpute Sonal Somnath | 8 | 11 | 6 | 8 | 10 | 6 | 9 | 6 | 6 | 9 | 12 | 4 | 9 | 12 | 9 | 8 | 77 |
| 69 | 81 | 72000493E | Rajpal Gitika Sumeet | 8 | AB | 6 | 8 | AB | 5 | 9 | 11 | 6 | 9 | 13 | 5 | 9 | 11 | 9 | 9 | 81 |
| 70 | 82 | 72000495M | Sawant Aishwarya Rameshrao | 9 | 9 | 6 | 8 | 7 | 5 | 9 | 6 | 6 | 9 | 12 | 5 | 9 | 12 | 9 | 9 | 82 |
|  |  |  | Total No of Students | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 |
|  |  |  | Total No of students Absent | 0 | 8 | 0 | 0 | 8 | 0 | 0 | 5 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 |
|  |  |  | Total No of students Present | 70 | 62 | 70 | 70 | 62 | 70 | 70 | 65 | 70 | 70 | 65 | 70 | 70 | 70 | 70 | 70 | 70 |
|  |  |  | Total Marks | 610 | 654 | 356 | 606 | 458 | 342 | 592 | 458 | 398 | 610 | 650 | 282 | 587 | 714 | 614 | 613 | 5237 |
|  |  |  | Average Marks | 8.71 | 10.55 | 5.09 | 8.66 | 7.39 | 4.89 | 8.46 | 7.05 | 5.69 | 8.71 | 10.00 | 4.03 | 8.39 | 10.20 | 8.77 | 8.76 | 74.81 |
|  |  |  | % Class Average | 0.87 | 0.88 | 0.85 | 0.87 | 0.57 | 0.81 | 0.85 | 0.59 | 0.95 | 0.87 | 0.77 | 0.58 | 0.84 | 0.85 | 0.88 | 0.67 | 0.75 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | | CO Weightage | | | | | | CO | UT1 | UT2 | Prelim | Assign | | CO1 | 12 |  | 6 | 10 | | CO2 | 13 |  | 6 | 10 | | CO3 |  | 12 | 6 | 10 | | CO4 |  | 13 | 7 | 10 | | CO5 |  |  | 12 | 10 | | CO6 |  |  | 13 | 10 | | Total | 25 | 25 | 50 | 60 | |  | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | Class average in IA (Internal Assessment) | | | | | | | CO | UT1 | UT2 | Prelim | Assign | IA class average (rounded) in % | | CO1 | 0.88 |  | 0.85 | 0.87 | 87 | | CO2 | 0.57 |  | 0.81 | 0.87 | 75 | | CO3 |  | 0.59 | 0.95 | 0.85 | 79 | | CO4 |  | 0.77 | 0.58 | 0.87 | 74 | | CO5 |  |  | 0.85 | 0.84 | 84 | | CO6 |  |  | 0.67 | 0.88 | 78 | |
|  |  |  |
| |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Calculation of CO attainment = 20%\* IA+ 80%\*EA | | | | | | | |  | | CO | IA Class average in %) | | EA Cl. Ave (%) (Same value is assumed for all CO's) | | | | Direct CO Attainment 0.2\*IA Cl.ave + 0.8\*EA Cl. Ave(%) | Attainment  Level Obtained | | CO1 | 87 | | 75 | | | | 77 | 3 | | CO2 | 75 | | 75 | | | | 75 | 3 | | CO3 | 79 | | 75 | | | | 76 | 3 | | CO4 | 74 | | 75 | | | | 75 | 3 | | CO5 | 84 | | 75 | | | | 77 | 3 | | CO6 | 78 | | 75 | | | | 75 | 3 | |  |  |  | |  |  |  | 76 | 3 | |  | |  |  |  |  |  | | --- | --- | --- | --- | --- | | CO Quality Compliance | | | | | | CO | Target %ge | CO Attainment gap (%) | Action proposed to bridge the gap | Modification of target where achieved | | CO1 | 49 | 28 | CO1 target is achieved | Increase the target to 52% | | CO2 | 49 | 26 | CO2 target is achieved | | CO3 | 49 | 27 | CO3 target is achieved | | CO4 | 49 | 26 | CO4 target is achieved | | CO5 | 49 | 28 | CO5 target is achieved | | CO6 | 49 | 26 | CO6 target is achieved | |