**Imperative Programming – Lectures - Video Links for the month of September 2020**

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| **Sr. No.** | **Date** | **Topic** | **Link** |
|  |  | **SEPTEMBER 2020** |  |
| **1** | **7th** | **Introduction to C Programming** |  |
| **2** | **8th** | **clrscr(), getch(), printf()** | <https://siescms-my.sharepoint.com/:v:/g/personal/bijur_sies_edu_in/ERGe-QfFiKBPo_gZCECprBEB45k3tv3EW-Yy91_P0oLfSA?e=oKZ0QG> |
| **3** | **9th** | **printf()** | **Not recorded** |
| **4** | **10th** | **Scratch Programming – session 1** | https://siescms-my.sharepoint.com/:v:/g/personal/bijur\_sies\_edu\_in/EdN8ROn7N5JKlKGyUsVWzoIBjSFLDd0dNtCEJaWKzcGvfA?e=eMbEBS |
| **5** | **12th** | **Variables - Arithmetic Operators** | <https://drive.google.com/file/d/1wli9EYBZ3ddjMm8vs64kLAF308kpdZKj/view?usp=sharing> |
| **6** | **14th** | **Average of 5 marks** | [https://drive.google.com/file/d/19lq674DxfVwt4WaqMDGHZAahTiUv46R0/view?usp=](https://drive.google.com/file/d/19lq674DxfVwt4WaqMDGHZAahTiUv46R0/view?usp=sharing)sharing |
| **7** | **14th** | **Scratch Programming – session 2** | <https://drive.google.com/file/d/1H9YCmh2Nv2c-5xaiY79prqwk3Qd29k0V/view?usp=sharing> |
| **8** | **15th** | **Average of 5 numbers and Simple Interest** | <https://drive.google.com/file/d/1ciS6V2Y-0bSnFE2S4KKCzZ5bxnhiQ56G/view?usp=sharing> |
| **9** | **16th** | **If else - positive , negative, zero -**  **Flow chart** | <https://drive.google.com/file/d/1aLYsivlmV9-UAgiGUueoY04SKPMvOcOO/view?usp=sharing> |
| **10** | **17th** | **If else – largest of 2 and 3 numbers, swap 2 numbers with 2 variables, integer division** | <https://drive.google.com/file/d/1YLaHDHPIoEddr-BrGhUp4gGAwWvDkfdp/view?usp=sharing> |
| **11** | **19th** | **Area and perimeter of rectangle and circle, If-else – discount** | <https://drive.google.com/file/d/1C_0hzZR1kOrMISuDukNk1J6VKkL2b1Fj/view?usp=sharing> |
| **12** | **20** | **Discussion on Problems faced By FY BSc IT Students** | **Not Recorded** |
| **13** | **22nd** | **Programs from chapter 2 – Basic salary, years of service, division of student** | <https://drive.google.com/file/d/1sE6slqT1eab153XCfQS8PdZ5CXu2JaNI/view?usp=sharing> |
| **14** | **23rd** | **Programs from chapter 2 – division of student, driver is insured, simple interest** | uISgHLXI6Q6m-BurjvtNvZlRUA9/view?usp=sharing [https://drive.google.com/file/d/1rjMo1](https://drive.google.com/file/d/1rjMo1uISgHLXI6Q6m-BurjvtNvZlRUA9/view?usp=sharing) |
| **15** | **24th** | **Programs from chapter 2 – driver is insured, odd even, leap year** | [**https://drive.google.com/file/d/1m-2verlPX0yAhyTPsy92wnBQ3DChyfuc/view?usp=sharing**](https://drive.google.com/file/d/1m-2verlPX0yAhyTPsy92wnBQ3DChyfuc/view?usp=sharing) |
| **16** | **26th** | **Programs from chapter 2 – youngest of 3, absolute value, condition evaluation to 1 and 0** | <https://drive.google.com/file/d/1eTHf7ycY0bJ6AbADeHkicJx6id8pspIA/view?usp=sharing1> |
| **17** | **28th** | **Programs from chapter 2 – condition evaluation to 1 and 0, uppercase, lowercase, digit, triangle is valid or not, evaluating logical expressions, ternary operator (4 programs)** | <https://drive.google.com/file/d/11y6bETWtlw2lxEVzlG1iqycnz6mSWqTA/view?usp=sharing>  <https://drive.google.com/file/d/173rstuce-GT34_syzL0ixGFQMmg55YkG/view?usp=sharing>  <https://drive.google.com/file/d/175RfYnnFV3o5TQiRmHc5fA5qKNlVKpxP/view?usp=sharing> |
| **18** | **29th** | **Loops – print numbers from 1 to 10, 10 to 1, sum and product of numbers from 1 to 10, sum of squares and cubes of numbers from 1 to 5** | <https://drive.google.com/file/d/1frhQO-TM0DOC04JJpvtmExE8i_uy_u75/view?usp=sharing> |
|  |  | **OCTOBER 2020** |  |
| **1** | **1st** | **Loops – a power b, sum of digits** | ://drive.google.com//d[https](https://drive.google.com/file/d/1zquwGuzbY6bA9Bn27eJMCQCGIZlWNn4V/view?usp=sharing)/1zquwGuzbY6bA9Bn27eJMCQCGIZlWNn4V/view?usp=sharing  [file](https://drive.google.com/file/d/1zquwGuzbY6bA9Bn27eJMCQCGIZlWNn4V/view?usp=sharing) |
| **2** | **3rd** | **Loops - factorial, Armstrong number** | <https://drive.google.com/file/d/1yNDe_7XG4ZQtfJWRkhdF3mohsd1g4OHB/view?usp=sharing> |
| **3** | **5th** | **Loops – reverse a number, palindrome, strong number, perfect number, sum of series, patterns** | <https://drive.google.com/file/d/1DIDtKYgrYt4fKiFB6QBk6_GVWoU4qWFN/view?usp=sharing>  <https://drive.google.com/file/d/13BQ-Cj17BuT2ppAMO9Zcm_5g3GHzLLen/view?usp=sharing> |
| **4** | **6th** | **For loop – nested for loop, patterns, combination of 3 numbers** | <https://drive.google.com/file/d/1sJmEJVc4udXi9SVU-u3oYXgyy4JpjuyX/view?usp=sharing> |
| **5** | **7th** | **For loop – count the digits, Fibonacci series** | <https://drive.google.com/file/d/1pKBc5k06oO3r6G0Mray63IHqO-bxXrPA/view?usp=sharing> |
| **6** | **8th** | **For Loop – measure intelligence, Natural logarithm** | **Not Recorded** |
| **7** | **10th** |  | **Quiz 1 – IF ELSE** |
| **8** | **12th** |  | **No Electricity from CST to Thane – So lectures canceled** |
| **9** | **13th** | **NATURAL LOG , Switch case - introduction** | <https://drive.google.com/file/d/1jx4312gfwCrm4ual3FkRlX2yJMoYw2S0h0t/view?usp=sharing> |
| **10** | **14th** | **Switch case – menu driven programs – arithmetic operators, factorial , odd even, sum of the digits** | <https://drive.google.com/file/d/1S020llY-C_PVu4sufsRMEMt_LTX_bwOq/view?usp=sharing> |
| **11** | **15th** | **Arrays - Introduction** | https://drive.google.com/file/d/19t7DO1gvtUY6R8UQYyySuLhJ\_m0o-u6r/view?usp=sharing |
| **12** | **17th** | **Arrays - sum of elements in an array** | **Quiz 2 - Loops**  <https://drive.google.com/file/d/13vUL10lGtSkisCbUfm1Zk2SwnZqI3_7f/view?usp=sharing> |
| **13** | **19th** | **Arrays - max and min in an array, count of positive, negative, odd and even numbers.** | <https://drive.google.com/file/d/17DmHeDff5BeoCVsKpqaBaprC1e_-lFag/view?usp=sharing> |
| **14** | **20th** | **Arrays** | <https://drive.google.com/file/d/12tJFuSBxlTD5GLqDD1RK8v_tO5jxTQAp/view?usp=sharing> |
| **15** | **21st** | **Arrays** | <https://drive.google.com/file/d/1bpT_v1qisCgfj6CPiOeqdJf8RJ3QtCoB/view?usp=sharing>  <https://drive.google.com/file/d/1igbjsyqs1AC5LU3K8WaUPydotwqqupjm/view?usp=sharing> |
| **16** | **22nd** | **Arrays** | <https://drive.google.com/file/d/12LMGVt2u3TawKfAExcl0wPehaZigTL2w/view?usp=sharing> |
| **17** | **23rd** | **Arrays** | <https://drive.google.com/file/d/1du2Wxa13PdsJtRaN5wkDrqDoW5KAVc08/view?usp=sharing> |
| **18** | **28th** | **Arrays** | <https://drive.google.com/file/d/1Z1sOa6IslYSliyPAT29zWAooKjWvYCD7/view?usp=sharing> |
| **19** | **29th** | **Arrays** | <https://drive.google.com/file/d/13dkLthIGoeXJlP-e2DU24juebqX06qQq/view?usp=sharing> |
| **20** | **31st** | **2D Arrays** | <https://drive.google.com/file/d/1-Saq0cdD-AVbVnABeCTsNlHmsS_q7COh/view?usp=sharing> |
|  |  | **NOVEMBER 2020** |  |
| **21** | **2nd** | **2D Arrays** | <https://drive.google.com/file/d/1Igj71UaBbZRiuqV0jf4S6mqCZECXt7Ke/view?usp=sharing> |
| **22** | **3rd** | **2D Arrays** | <https://drive.google.com/file/d/15mrwaKR0LwY9VUOYxqG3TYM_JNakB_jU/view?usp=sharing>  <https://drive.google.com/file/d/1LPxsVHHYIiS5BLsrue99tZ-Cpd5gILn1/view?usp=sharing> |
| **23** | **4th** | **Functions** | <https://drive.google.com/file/d/1NJIdhKM7eyMyNQjr4WZBDO9qWv8pBB5_/view?usp=sharing> |
| **24** | **5th** | **Functions** | <https://drive.google.com/file/d/1jJhpQ_3rBz5uXQmqrWQOzWsQ8pO2gnfD/tNview?usp=sharing> |
| **25** | **17th** | **Functions** | <https://drive.google.com/file/d/1g4eiezLg5eXqLbxjHN5n-jiq4vYKz-Un/view?usp=sharing> |
| **26** | **18th** | **Functions** | **QUIZ – 4**  <https://drive.google.com/file/d/1GxhtcDMRoIOxGKNzLEsHIf-FeqG1i96-/view?usp=sharing> |
| **27** | **19th** | **Functions - Pointers** | [**https://drive.google.com/file/d/1s\_m2WDffpTz9HjCNWlWa8x41Ln8XLQ3f/view?usp=sharing**](https://drive.google.com/file/d/1s_m2WDffpTz9HjCNWlWa8x41Ln8XLQ3f/view?usp=sharing) |
| **28** | **21st** | **Functions call by reference** | [**https://drive.google.com/file/d/1wo0V0q7lUJ9uV6RdxuEVY8ULToa\_40Fi/view?usp=sharing**](https://drive.google.com/file/d/1wo0V0q7lUJ9uV6RdxuEVY8ULToa_40Fi/view?usp=sharing) |
| **29** | **23rd** | **Recursive functions, Data Types, Storage Classes** | [**https://drive.google.com/file/d/1Mw\_P17FjMcyKPVdNXl9E0-\_uHZJV0dB5/view?usp=sharing**](https://drive.google.com/file/d/1Mw_P17FjMcyKPVdNXl9E0-_uHZJV0dB5/view?usp=sharing)  [**https://drive.google.com/file/d/17F9tvN-BM59yt3THlBxDklgg2sUlHtlW/view?usp=sharing**](https://drive.google.com/file/d/17F9tvN-BM59yt3THlBxDklgg2sUlHtlW/view?usp=sharing) |
| **30** | **24th** | **Strong and Armstrong number in a given range and from an array** | [**https://drive.google.com/file/d/10RfJM402gTWztXhWa3MWqg2ypeVZyKqI/view?usp=sharing**](https://drive.google.com/file/d/10RfJM402gTWztXhWa3MWqg2ypeVZyKqI/view?usp=sharing) |
| **31** | **25th** | **Array and Pointers** | [**https://drive.google.com/file/d/1zu\_Af7rCiqeUANt3ladUWBRIDBqxWgrU/view?usp=sharing**](https://drive.google.com/file/d/1zu_Af7rCiqeUANt3ladUWBRIDBqxWgrU/view?usp=sharing) |
| **32** | **26th** | **Array and Pointers** | [**https://drive.google.com/file/d/1zu\_Af7rCiqeUANt3ladUWBRIDBqxWgrU/view?usp=sharing**](https://drive.google.com/file/d/1zu_Af7rCiqeUANt3ladUWBRIDBqxWgrU/view?usp=sharing) |
| **33** | **28th** | **Strings** | [**https://drive.google.com/file/d/1emPEcNL6IlP6efXLEE3Wa3g79SADbsBO/view?usp=sharing**](https://drive.google.com/file/d/1emPEcNL6IlP6efXLEE3Wa3g79SADbsBO/view?usp=sharing)  <https://drive.google.com/file/d/17hydRdCskmhBTvQe_p981mLawoSptz8D/view?usp=sharing> |
|  |  | **DECEMBER 2020** |  |
| **1** | **1st** | **Strings** | [**https://drive.google.com/file/d/1l2Eel0FXqwbWxShwaO19mUiGShbVnEfT/view?usp=sharing**](https://drive.google.com/file/d/1l2Eel0FXqwbWxShwaO19mUiGShbVnEfT/view?usp=sharing) |
| **2** | **2nd** | **Structures and Union** | [**https://drive.google.com/file/d/1Uy6vtzpBeYZpXxQpC4knUlC47jyxTONm/view?usp=sharing**](https://drive.google.com/file/d/1Uy6vtzpBeYZpXxQpC4knUlC47jyxTONm/view?usp=sharing) |
| **3** | **3rd** | **Implement strings** |  |
| **4** | **14th** | **Implement structures and unions** |  |