PADMASHREE KRUTARTHA ACHARYA INSTITUTE OF ENGINEERING & TECHNOLOGY, BARGARH



PROGRESS REGISTER Session-2022-2023

Discipline: Electrical Engg.

| Semester: 6th | Subject: | Control | system | Engy. |
|-------------------|--------------|----------|--------|-------|
| Name of the Teach | ing Faculty: | Subhasis | Nande | |

Section R

| Subject: <u>Control System Buys</u> . No. of Days/per week class allotted <u>S</u> Semester From Date : <u>14-1-23</u> To Date : <u>23-59-23</u> No. of Weeks : <u>15</u> | | | | |
|--|--|----------------------------|---|-------------------------|
| Date | Topics to be covered as per Lesson Plan | Topics actually covered | Points/contents Discussed (in brief) | Signature of Teacher |
| 13/02/23 | Introduction. | - dc - | -do- | 800000 x 21/23 |
| 14/02/22 | Classification of Cs | -do - | opey, closed. Timevariant, Invariant. SISO, MIMO | 80000× 14/2/2 |
| 15/02 | open loop Cs | - do - | -do- | Essenos) SS/V/m |
| 17/02 | Closed loop CS | - 90 | -90- | low or 12/2/2 |
| 22/02 | Effect of Feedback | d | de- | Kasend |
| 24/02 | Signal. | -do- | Step, ramp, Parabolte, Impulse. | 804000) 24/2/23 |
| 25/02 | Servomedaum | -do- | d | Rosened - |
| 27/02 | Transfer Fuch | A1- | - d | Stores 1 |
| 28/02 | Impulse Respa | _d | | 60000) 20/2/25 |
| 07/03 | Poles & Zenos, | -lo _ | -do- | 80000 GIIvx/M |
| 03/03 | Problem Praetrie | | -de- | 8-00) ortholog |

Subject: ______ No. of Days/per week class allotted______

| Semester Fr | om Date : | To Date : | nys/per week class al No. of W | , 1909 1 |
|-------------|--|---|---|-------------------------|
| Date | Topics to be covered as per Lesson Plan | Topics actually covered | Points/contents Discussed (in brief) | Signature of Teacher |
| бу/03 | Proslom Paget | - du- | -de - | Stave |
| 06/03 | Mathematical Modeling | - 00- | Man, spring, damper, RLC server, pl | Stowed 66/05/m |
| 10/03 | Analogous | -d | - 10- | groupin |
| 11/03 | Prostom Practure | | -d | &vord m |
| 13/03 | Components of | - do | -di- | 8200 h |
| 14/03 | DC servemet | d, - | -do- | Roug Istro |
| 15/03 | Al servement | _d_ | -d- | 15-12: |
| 17/03 | Rechande | -d- | -d- | 8000001 13/03/11 |
| 18/03 | Synchros | ,,- | _di- | (0000) 13/-s/- |
| 20/03 | Cynospipe - | d | do - | (2000) 20/3/11 |
| 21/03 | Block dragner Algebre- | _d- | etements of Hounday m | Charles m |

Subject: <u>C-S-E</u>. No. of Days/per week class allotted <u>05</u>

Semester From Date : 16.02.23 To Date : 23.05.23 No. of Weeks : 15

| Date | Topics to be covered as per Lesson Plan | Topics actually covered | Points/contents Discussed (in brief) | Signature of Teacher |
|-------|--|---|---|-------------------------|
| 22/03 | Block dragnon- | of closed 1 crop | Barne Blow - | Stand 2213/m |
| 24 | bloen dregne- | of Reductr. | -de- | - 24 Jun |
| 25 | Trawy en filmetr | of Reduetr. Inem Block Ologon. | _0, | 5000191 55/M |
| 23 | Problem Proces | -91- | do- | & Dear ang) |
| 28 | !] | -d | -d- | 800001 |
| 29 | SFG. | Depinita | Propenties, Elements. | 821019) 29/2/22 |
| 3/ | SFG | Equatru, | drawty- | 8000ngs |
| 03/04 | Problem presetre | -di- | - d- | 3/54/2 |
| бу | Manuns Gam Forumet | -dr- | T= S DK Pic | Engly 1/2/2 |
| 05 | Problem Praefr | -d- | d- | Cosent |
| 06 | , ' | -de- | -\$- | Bound |

Subject: ______ No. of Days/per week class allotted______

| Semester Fr | om Date : | No. of Days/per week class allotted To Date : No. of Weeks : | | |
|-------------|--|---|---|-------------------------|
| Date | Topics to be covered as per Lesson Plan | Topics actually covered | Points/contents Discussed (in brief) | Signature of Teacher |
| 10 | Time Remance | of CS. | -d, - | redener |
| 11 | Stendard Met | step, Ramp, Panabolin | -d - | |
|]2 | Time Respons | of istonder CS | Subject to step input | - |
| 13 | 1 | * 1 | Subte 15 1911 julie mpit. | 8 manol |
| 17 | 11 | of 2nd ondon CS | Subject Out , step input . | |
| 18 | ۲ ₁₁ | Speetfreak Definition. | tr, tp, Mp, ts, en. | |
| 19 | 1) | Dermation | tr, tp, Mp, ts, en. | |
| 20 | Prosten Prach | -d | -di- | - |
| 21 | 4 | -d- | -dr - | |
| 24 | Steerdy Stule | Definita- | forenule. | elevand) |
| 25 | 1) | Coursent | Kp, Kv, Kg. | ÷ |

Subject: ______ No. of Days/per week class allotted

| Semester From Date : | | To Date : | No. of Weeks : | |
|----------------------|--|---------------------------------|---|-------------------------|
| Date | Topics to be covered as per Lesson Plan | Topics actually covered | Points/contents Discussed (in brief) | Signature of Teacher |
| 26 | steady state enn- | For type 0,1, 27/- | -d | |
| 27 | effect of addry potes | to monger fincted | - de - | |
| 58 | Response with | P,PI | Controtter. | |
| 07/05 | 11 | PDAPTD | 17 | 840191 |
| 02 | Problem | -di- | d- | |
| 03 | Stals City Analysin. | Win-to, Position of Roots | in Lott. 5, Maigen, R.H.S. | |
| 64 | Routh Hurwitz Cnebenren, | Routh Anney | - do - | |
| 08 | Problem | -06- | _d- | |
| 09 | Root loeus cenept | _d>- | d- | |
| 10 | Construction of Roots 10000 | Ruley, | Property, | |
| /J :: | • /1 | Findty Panameter- | 10 Pornh. | |



No. of Days/per week class allotted_____

semester From Date :_____

| semester From Date : | | _ To Date : | No. of Weeks : | |
|----------------------|--|----------------------------|---|-------------------------|
| Date | Topics to be covered as per Lesson Plan | Topics actually covered | Points/contents Discussed (in brief) | Signature of Teacher |
| 12/05 | Drawing of Rost locks. | -de- | - do - | |
| 15 | Polan Plot | - d' - | -d- | |
| 1.6 | Bode Plot | - do - | Maynoridie Blot | ground |
| 12 | 11 | -de- | Phane Plot | 1 1 |
| 18 | Nyquist plot | -de- | _de- | |
| 22 | M Concle N cinele | - do- | -de- | |
| V3 [05 | Wiehdran ohn | 9-d - | dr- | Resound |
| | | | | |
| | | | | |
| - | | | | |
| 2 | | | | 2 |