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 Date: 21-07-2021

**IV B.Tech II-sem (R16) Project External Viva voce (2017 Batch)**

**Class: IV B.Tech EEE (B-Section)**

**Date of Exam: 29-07-2021**

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| [**https://teams.microsoft.com/l/meetup-join/19%3aTYrtVnJ4s3dnDtlZYYE3iYhCEdFZDPYF8\_al7spJvmw1%40thread.tacv2/1627374775573?context=%7b%22Tid%22%3a%22f6981b0a-3915-4628-be7e-368196415f8f%22%2c%22Oid%22%3a%22585c1e13-f45b-4ad6-a413-10fae92d7178%22%7d**](https://teams.microsoft.com/l/meetup-join/19%3ATYrtVnJ4s3dnDtlZYYE3iYhCEdFZDPYF8_al7spJvmw1%40thread.tacv2/1627374775573?context=%7b%22Tid%22%3a%22f6981b0a-3915-4628-be7e-368196415f8f%22%2c%22Oid%22%3a%22585c1e13-f45b-4ad6-a413-10fae92d7178%22%7d) |
| **S.No.** | **Project Title & Guide Name** | **Batch code** | **Students Regd. Number** | **Student Name** | **Time** |
| 1 | Solar power analysis through Python analytical tools**(Dr.A.V.Naresh Babu)** | B1 | 17BQ1A0272 | NAMBURU SATYA DEV SAI VIVEK | 9.00 AM to 9.15 AM |
| 18BQ5A0219 | RAVI VENUGOPAL |
| 17BQ1A0273 | NARRA YUGENDRA |
| 2 | Accident detection and messaging system using GPS and GSM **(Dr.Ch.Rambabu)** | B2 | 17BQ1A0279 | PATHAN HUSNEJAHA | 9.15 AM to 9.30 AM |
| 17BQ1A0296 | SHAIK SIDDIQ |
| 17BQ1A02B3 | VAKA MAHENDRA |
| 3 | Industrial automatic emergency alerting and protection system **(Mr.A.Rahiman)** | B3 | 18BQ5A0224 | SUKAMANCHI VENKATESWARA RAO | 9.30 AM to 9.45 AM |
| 17BQ1A0269 | NADENDLA SUJITH KUMAR |
| 17BQ1A02A1 | TANDU ESWAR RAVITEJA |
| 17BQ1A0275 | ONGOLU AJAY KUMAR |
| 4 | Student college alert system to parents by their entry at the college premises by using RFID and GSM SMS technology **(Mr.P.Nagarjuna)** | B4 | 17BQ1A0261 | MAMIDI PAVAN KUMAR | 9.45 AM to 10.00 AM |
| 17BQ1A02A3 | TATUKURI JAYASURYA |
| 17BQ1A0288 | SHAIK APSAR JANI |
| 17BQ1A0299 | SUNKARA HARANATH |
| 5 | Design and simulation of wireless charging system for electric vehicles by using Matlab simulink **(Dr.S.Ravindra)** | B5 | 17BQ1A0277 | PALURI SIVA KRISHNA REDDY | 10.00 AM to 10.15 AM |
| 17BQ1A02A9 | TURAKA DIVYA |
| 18BQ5A0214 | NELATURI NIKHIL |
| 6 | A Single stage 1-ph reconfigurable inverter topology for a solar power hybrid AC/DC home using Matlab **(Mr.A.Naveen Reddy)** | B6 | 17BQ1A02A6 | THODETI SWAROOPCHANDRA | 10.15 AM to 10.30 AM |
| 17BQ1A02A4 | TEENDRA SAI KUMAR |
| 17BQ1A0294 | SHAIK MOHAMMADRAFFI |
| 17BQ1A0297 | SHAIK ZAHID |
| 7 | Stepper motor control with Arduino and rotor encoder **(Dr.ILJ Baktha Singh)** | B7 | 17BQ1A0285 | SANKATALA VENKATA VEERA RAVINDRA BABU | 10.30 AM to 10.45 AM |
| 17BQ1A0284 | SANDURU GAYATHRI |
| 18BQ5A0226 | VARRA BHAVANA |
| 18BQ5A0221 | SALAGALA YASWANTH HARSHA |
| 8 | Battery management system of electric vehicles  **(B.Srinvasa Raju)** | B8 | 17BQ1A0295 | SHAIK NIZAMUDDIN | 10.45 AM to 11.00 AM |
| 18BQ5A0223 | SOWDAGAR MOHAMMED FAIZ ALI BAIG |
| 17BQ1A0293 | SHAIK MOHAMAD SHAHID |
| 17BQ1A0262 | MANASA SRI SAI B |
| 9 | Determination of appropriate GRC modeling of optimal LFC of multi area thermal system  **(Dr.Ch.Nagasai Kalyan)** | B9 | 17BQ1A02B5 | VIPPARLA PARAM JYOTHI | 11.00AM to 11.15 AM |
| 17BQ1A0266 | MEDA GOPI |
| 18BQ5A0216 | PASAM YEDUKONDALU |
| 17BQ5A0211 | K HEMANTH KUMAR |
| 10 | Simulation and analysis of sinusoidal pulse width modulation inverter **(Dr.D.Srilatha)** | B10 | 17BQ1A02B1 | VADDEMPUDI SAI INDUMATHI | 11.15 AM to 11.30 AM |
| 17F01A0220 | B EMILY PRIYA |
| 18BQ5A0218 | PRATHURI PRASANNA KUMARI |
| 17BQ1A0265 | MATTUPALLI DEVANATH BHAGAVAN |
| 11 | Advanced protection system for Transformer using IOT technology  **(Mr.K.V.Kumar Kavuturu)** | B11 | 17BQ1A0290 | SHAIK FARHEEN | 11.30 AM to 11.45 AM |
| 17BQ1A0268 | MUDIGONDA SRI SOWMYA |
| 17BQ1A0270 | NADIMPALLI KARTHIK |
| 17BQ1A0280 | PEMMARAJU NIKHIL |
| 12 | Fault Current Interruption by the Dynamic Voltage Restorer  **(Mrs.A.Anusha)** | B12 | 18BQ5A0215 | PABBU YASWANTH SRI GANGADHAR | 11.45 AM to 12.00 PM |
| 18BQ5A0227 | VECHCHA NAVEEN SANJAY KUMAR |
| 17BQ1A0274 | NISSANKARARAO GIRIDHAR SIVA TEJA |
| 18BQ5A0225 | VADISA NAVEEN KUMAR |
| 13 | Indoor air quality monitoring system based on IOT  **(Mr.Sk.Rasululla)** | B13 | 17BQ1A02A8 | THUMMALA CHANDRA HASINI | 1.30 PM to 1.45 PM |
| 18BQ5A0217 | POTTI AKHILESH KUMAR |
| 18BQ5A0222 | SHAIK SHAREEF |
| 17BQ1A0271 | NALLAMOLU HEMA VENKATESWARA RAO |
| 14 | Industrial Motor Control Center Controlling And Monitoring  **(Mrs.T.Vasavi Prathyusha)** | B14 | 17BQ1A0278 | PATCHA PRAVALLIKA | 1.45 PM to 2.00 PM |
| 17BQ1A0287 | SETTI JAYASRI |
| 17BQ1A02B4 | VALLETI DHANUSH SAI SRINIVAS |
| 17BQ1A0282 | PUVVADA UDAYA SRI |
| 15 | Energy management and control strategy of photovoltaic/battery hybrid distributed power generation systems with an integrated three port power convertor **(Dr.Ch.Rambabu)** | B15 | 17BQ1A0283 | RAJAVARAPU SRI MANIKANTA | 2.00 PM to 2.15 PM |
| 18BQ5A0213 | MEKALA RAJA RATNA BHUSHAN |
| 17BQ1A02A0 | SUREPALLI SANDEEP KUMAR |
| 17BQ1A0286 | SARIPUDI RAJA SEKHAR |
| 16 | LIFI based generator protection using ATMEGA328P **(Mr.P.Mahamood Khan)** | B16 | 17BQ1A02A2 | TATA SIVA NAGA VEERA VENKATA SUBBA RAO | 2.15 PM to 2.30 PM |
| 17BQ1A0263 | MANCHALA HARIKA |
| 17BQ1A0267 | MIR NASAR ALI |
| 17BQ1A0298 | S VENKATA SAHITH VARMA |
| 17 | Adaptive control of Voltage Source converter based scheme for Power quality improved Grid-interactive solar PV battery system **(Dr.P.Lakshman Naik)** | B17 | 17BQ1A0289 | SHAIK BASHA MOHIDDIN | 2.30 PM to 2.45 PM |
| 17BQ1A0264 | MARELLA GANESHA |
| 17BQ1A02A5 | THAMMULURI TEJA |
| 17BQ1A0292 | SHAIK MOBEENA SULTANA |
| 18 | Certain analytical aspect of 3-ph distribution system **(Dr.Ch.V.Suresh)** | B18 | 17BQ1A02B0 | ULLANGULA KALYAN | 2.45 PM to 3.00 PM |
| 17BQ1A02A7 | THOTAMSETTY DEVI VEENA MADHURI |
| 17BQ1A02B2 | VADUGU ARAVIND SURYA |
| 17BQ1A0281 | PERAVALI PAULSON |

**Note:**

1. Students should join online conference at 8.45 AM sharp and MS teams online links will be provided one day before the vivavoce
2. Students should wear their college ID and enable their video camera before presentation
3. Presentation through phones strictly is prohibited, advisable to use laptop or desktop
4. Use standard template for PPT and authorize the same with your guide before presentation
5. Every project member in the batch should have the presentation slides and project report softcopy available with him/her.

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Project Coordinator HOD, EEE