

7.3 Institution Distinctiveness

Institute has taken special efforts to develop the research culture among both staff and students. Institute is always keen to provide and build an environment which can promote and encourage research in not only core areas but also in multidisciplinary areas. Institutes believe that to promote the research in the students, the faculties must be equipped with knowledge and process related to research areas. This is achieved by continuously promoting the faculty to pursue higher education like PhD through special duty leaves to attend research work and conferences, research Lab etc. Institutes also promote organization of conferences to create a platform for sharing of latest knowledge and bring together researchers from different areas of the nation. This has helped the institute to have a maximum number of faculties with PhD qualification and some as PhD Guide. The distinctive efforts by institute can be witness through following achievements

Faculty with PhD awarded:

- Computer department has six faculty members who have completed PhD during AY 2016-17 to AY 2020-21.
- The Mechanical Department has three Faculty members who have completed PhD during AY 2016-17 to AY 2020-21.
- E & TC has five Faculty members who have completed PhD during AY 2016-17 to AY 2020-21.
- Two faculty members from the First year Department completed PhD during AY 2016-17 to AY 2020-21.
- Presently total 31 faculties with PhD while other pursuing PhD.

PhD Guideship:

- Two faculty members from the Computer Department were recognized as Ph.D. Guides under SPPU.
- Five faculty members from the Mechanical Department were recognized as Ph.D. Guides under SPPU.
- Two faculty members from the E & Tc Department were recognized as Ph.D. Guides under SPPU.
- One faculty member from the FE Department were recognized as a PhD Guide under SPPU.

Grant Received:

- Computer department received two research and one Young Scientist International Travel grant from BCUD SPPU and one AICTE research grant during AY 2016-17 to AY 2020-21.
- Mechanical department received two research grant and one Young Scientist International Travel grant from BCUD SPPU, one MoDROB Grant for Lab Development from AICTE during AY 2016-17 to AY 2020-21
- The E & Tc department received one AICTE research grant during AY 2016-17 to AY 2020-21.
- First year department has received one research grant from BCUD, SPPU during AY 2016-17 to AY 2020-21

Publications:

- Computer department has published 128 papers in reputed journals/conference proceedings during AY 2016-17 to AY 2020-21

- Mechanical department has published 119 papers in reputed journals/conference proceedings during AY 2016-17 to AY 2020-21
- E & Tc department has published 77 papers in reputed journals/conference proceedings during AY 2016-17 to AY 2020-21
- First year department has published 33 papers in reputed journals/conference proceedings during AY 2016-17 to AY 2020-21

Invites Session Chair/ Experts/ Guests:

- 5 faculty members from Computer department were invited as session chair for National/ International conferences and 9 faculty members as expert talk, 4 faculty members worked as a mentor for Smart India Hackathon (SIH) 2019 and SIH 2020 during AY 2016-17 to AY 2020-21
- 4 faculty members from Mechanical department were invited as session chair for National/ International conferences and 4 faculty members as expert talk during AY 2016-17 to AY 2020-21
- 2 faculty members from E & Tc department were invited as session chair for National/ International conferences and 1 faculty members as expert talk during AY 2016-17 to AY 2020-21

Patent /Copyright:

- 10 patents and 12 copyrights from Computer department were published and received a patent grant for 1 patent in June 2021
- 2 patents from Mechanical department were published
- 2 patents from E & Tc department were published
- 3 patents from First year department were published

Conference Organized:

- Four National conferences of RACE were organized by Computer department during AY 2016-17 to AY 2020-21
- Four National conferences of RDME were organized by Mechanical department during AY 2016-17 to AY 2020-21
- Four National conferences of ACCET were organized by E&Tc department during AY 2016-17 to AY 2020-21
- One International conference ICMESCOE was organized by institute during AY 2016-17 to AY 2020-21

Research Lab Development:

- Centre of Excellence with High Computing Facility developed by Computer Department during AY 2016-17 to AY 2020-21
- Centre of Excellence, 3D Printing Lab through "MODROB" scheme of AICTE were developed by Mechanical department during AY 2016-17 to AY 2020-21
- Centre of Excellence SDR Lab developed by E & Tc Department during AY 2016-17 to AY 2020-21

Innovation Promotion:

- 49 difference activities like webinar, hands-on, competition related to innovation were conducted through different cells of IIC MESCoE like IIC innovation, IIC startup, IIC IPR, IIC Internship, NIRF and AIIRI etc.to promote the innovation and research