RCC- SOP

The Research Cluster of Computing (RCC) is an initiative under the aegis of Manav Rachna Innovation and Incubation Centre to nurture the growth of innovation and research work among the faculty members and students. RCC with its team members largely faculty & students are spearheading in the direction of facilitating high quality research in the modern aspects of Computer Science. The work at RCC is based upon this ideology and is bifurcated into 5 sub-clusters. These sub-clusters form the core groups of R & D Funded Projects, Student Competitions and Projects and Industrial Linkages and Collaborations, supported by Training in Advanced Areas. The team RCC has a human resource's structure consisting of a cluster head along with faculty coordinators, area representatives and members. The key role of RCC is to usher in a world-class technical environment for computing in which faculty members and students work together and synergize their innovative ideas into publications, projects and products with Ideation-Innovation-Incubation-impact.

Various student teams are formed under the verticals like Cyber Security, Machine Learning and Deep Learning, Block chain Technology, Internet of Things (IoT), Artificial Intelligence, Web and Mobile Application Development and Competitive Programming. The students impart training in their peer groups and work on consultancy projects. Student teams have been able to participate and win various Hackathons at National and International level.

Presently, RCC is actively engaged in research projects and other activities like competitions, training in advanced areas and future technologies, Consultancy projects and patents.

SOP of Research Cluster of Computing (RCC) are defined as follows:

- Research Cluster of Computing (RCC) Lab is open to students, faculty members, and research scholars of Manav Rachna University. The lab is used to promote and facilitate Trainings, Consultancies, innovative projects, Patent filing and scientific Research in cutting-edge areas.

- The Key domain areas of RCC are Web Development, App Development, Cyber security, Block Chain, Machine Learning, Deep Learning, IoT and Competitive Programming.

- Each domain area has its own student coordinators.

- The student coordinators are responsible for promoting the Vision and Mission of RCC.

- At the beginning of the academic year, RCC Head constitutes the student coordinator team depending on student's performance and interest levels. Roles and responsibilities are defined and assigned to Student coordinators.

- For each quarter, a plan of RCC activities and an activity calendar is prepared by the RCC Head. Student coordinators are given the responsibility for organizing the activities.

- At the end of the academic year, RCC Head prepares and submits an Annual Report of various RCC Activities and achievements to the Director of Innovation and Incubation, Dean Research, Registrar and Vice Chancellor of University as per the prescribed template.

- The software installed in RCC are licensed and the IT Department follows standard procedure of procurement and usage in line with the University's rule.

- Each student working in RCC must mark their attendance in the log register.

- The lab is well equipped with Computer Systems and Laptops with updated configuration. The configuration of systems/laptops allocated to students can be updated based on their project requirements.